

Single Digit Representations of Natural Numbers From 5001 to 10000

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Abstract

There are different ways of representing natural numbers, such as writing in terms of 1 to 9 or 9 to 1, writing in terms of single letter, single digit, flexible power, etc. These types of representations we call as **crazy representations**. This paper extends the authors previous work [8] on representation of natural numbers in terms of **single digit**. This paper bring numbers 5001 to 10000 in terms of each digit. The total work up to 20000 numbers divided in four parts. For other parts refer [9, 10, 11].

Contents

| | |
|-------------------------------------------------------------|----------|
| 1 Crazy Representations of Natural Numbers | 1 |
| 1.1 First Type: Increasing and Decreasing | 2 |
| 1.2 Second Type: Flexible Power Representations | 2 |
| 1.2.1 Unequal String Lengths | 2 |
| 1.2.2 Equal String Lengths | 3 |
| 1.3 Third Way: Single Digit Representations | 4 |
| 1.4 Forth Way: Single Letter Representations | 5 |
| 1.5 Running Expressions | 6 |
| 1.5.1 Running Expressions with Fibonacci Sequence | 7 |
| 1.5.2 Running Expressions with Triangular Numbers | 8 |
| 2 Single Digit Representations From 1 to 20000 | 9 |
| 2.1 Single Digit Representation: 5001-10000 | 10 |

1 Crazy Representations of Natural Numbers

In this section, we shall write different ways of writing natural numbers. These representations are divided in four different types.

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1.1 First Type: Increasing and Decreasing

In 2014, author [1] wrote natural numbers in increasing and decreasing orders of 1 to 9 and 9 to 1. See examples below:

$$\begin{aligned}
 \mathbf{100} &:= 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 \times 9 = 9 \times 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1 \\
 \mathbf{101} &:= 1 + 2 + 34 + 5 + 6 \times 7 + 8 + 9 = 9 \times 8 + 7 + 6 + 5 + 4 + 3 \times 2 + 1 \\
 \mathbf{102} &:= 12 + 3 \times 4 \times 5 + 6 + 7 + 8 + 9 = 9 + 8 + 7 + 6 + 5 + 4^3 + 2 + 1 \\
 \mathbf{103} &:= 1 \times 2 \times 34 + 5 + 6 + 7 + 8 + 9 = 9 + 8 + 7 \times 6 + 5 \times 4 + 3 + 21 \\
 \mathbf{104} &:= 1 + 23 + 4 + 5 + 6 + 7 \times 8 + 9 = 9 + 8 + 7 + 65 + 4 \times 3 + 2 + 1 \\
 \mathbf{105} &:= 1 + 2 \times 3 \times 4 + 56 + 7 + 8 + 9 = 9 + 8 \times 7 + 6 \times 5 + 4 + 3 + 2 + 1 \\
 \mathbf{106} &:= 12 + 3 + 4 \times 5 + 6 + 7 \times 8 + 9 = 9 + 8 \times 7 + 6 \times 5 + 4 + 3 \times 2 + 1 \\
 \mathbf{107} &:= 1 \times 23 + 4 + 56 + 7 + 8 + 9 = 9 + 8 + 76 + 5 + 4 + 3 + 2 \times 1 \\
 \mathbf{108} &:= 1 + 2 + 3 + 4 + 5 + 6 + 78 + 9 = 9 + 8 + 76 + 5 + 4 + 3 + 2 + 1.
 \end{aligned}$$

See more examples,

$$\begin{aligned}
 \mathbf{999} &:= 12 \times 3 \times (4 + 5) + (67 + 8) \times 9 = 9 + 8 + 7 + 654 + 321. \\
 \mathbf{2535} &:= 1 + 2345 + (6 + 7 + 8) \times 9 = 9 + 87 \times (6 + 5 \times 4 + 3) + 2 + 1. \\
 \mathbf{2607} &:= 123 \times 4 \times 5 + 6 + (7 + 8) \times 9 = 987 + 6 \times 54 \times (3 + 2) \times 1. \\
 \mathbf{10958} &:= 12 \times 3 + \sqrt{4} + 5! \times (67 + 8 \times \sqrt{9}) = (9 + 8 \times 7 \times 65 + 4) \times 3 - 2 + 1. \\
 \mathbf{11807} &:= 1 \times 234 \times (5 + 6 \times 7) + 89 = -9 + 8 + 7 \times (6 + 5) \times (4 \times 3)^2 \times 1.
 \end{aligned}$$

We observe that the number 10958 is the only number among 0 to 11111, where we need extra operations, such as **square-root**, **factorial**, etc. to write in increasing case. For more details refer author's web-site link [5]. Extension of numbers from 11112 to 30000 refer [2, 3, 4].

1.2 Second Type: Flexible Power Representations

Let us consider two numbers, 1 and 2. Using the idea of power and the operations of *addition* and *subtraction*, we can write following 3 numbers in terms of 1 and 2, as $1 = -1^2 + 2^1$, $3 = 1^2 + 2^1$ and $5 = 1^1 + 2^2$. In this situation, we observe that *bases* and *exponents* are of same digits. Permutations of exponent values helps in bringing different numbers. In case of repeated values, for example, $3 = 1^2 + 2^1 = -1^1 + 2^2$, only possibilities is considered. There is only one number having single digit, i.e., $1 = 1^1$. For simplicity, let us represent the above procedure as $(1, 2)^{(1, 2)}$, resulting in three possible values. The above procedure is with two digits. Instead having two digits, we can work with two letters, such as,

$$(a, b)^{(a, b)}, \dots, (a, b, c, d, e, f, g, h, i)^{(a, b, c, d, e, f, g, h, i)},$$

where $a, b, c, d, e, f, g, h, i \in \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$, all distinct.

1.2.1 Unequal String Lengths

$$100 := 2^6 + 6^2$$

$$101 := 1^1 + 2^6 + 6^2$$

$$102 := -2^5 + 3^2 + 5^3$$

$$103 := 1^1 - 2^5 + 3^2 + 5^3$$

$$104 := -1^1 + 2^3 + 3^4 + 4^2$$

$$105 := 2^3 + 3^4 + 4^2$$

$$106 := 2^7 + 3^3 - 7^2$$

$$107 := -1^2 + 2^7 - 3^3 + 7^1$$

$$108 := 1^7 + 2^6 + 6^2 + 7^1$$

$$109 := 1^2 + 2^7 - 3^3 + 7^1$$

$$110 := 1^9 + 2^6 + 6^2 + 9^1$$

$$111 := -1^3 + 2^7 - 3^2 - 7^1$$

$$112 := 3^5 - 4^4 + 5^3$$

$$113 := -1^5 - 2^1 - 3^2 + 5^3$$

$$114 := -2^2 + 3^5 - 5^3$$

$$115 := 1^5 - 2^1 - 3^2 + 5^3$$

$$116 := 2^2 + 3^5 - 4^4 + 5^3$$

$$117 := -1^1 + 3^5 - 5^3$$

$$118 := 3^5 - 5^3$$

$$119 := 1^1 + 3^5 - 5^3.$$

See more examples,

$$638 := -1^5 - 2^1 - 4^2 + 5^4$$

$$666 := -2^5 + 3^2 + 4^3 + 5^4$$

$$786 := -1^4 + 3^6 + 4^3 - 6^1$$

$$1933 := -1^3 - 2^2 + 3^7 - 4^4 + 7^1$$

$$1934 := 2^9 + 3^6 - 6^2 + 9^3$$

$$3098 := -3^3 + 5^5$$

$$2280 := -1^1 - 2^6 + 4^5 + 5^2 + 6^4$$

$$6922 := -3^6 - 5^3 + 6^5$$

$$9711 := 1^3 + 2^4 + 3^8 + 4^2 + 5^5 - 8^1$$

$$9777 := 1^9 + 2^1 + 4^7 - 7^2 - 9^4$$

$$11110 := 1^1 + 2^2 + 3^9 - 5^6 + 6^5 - 9^3$$

$$11111 := -1^1 + 2^7 + 3^8 - 4^2 + 7^3 + 8^4.$$

The whole work is from 1 to 11111. For details refer [6].

1.2.2 Equal String Lengths

Based on second type still we can write natural numbers in a sequential way with uniform representations. Instead working with unequal strings as of previous section, here we worked with equal string using the digits 0 to 9, i.e., using all the 10 digits, {0,1,2,3,4,5,6,7,8,9}. The results obtained are symmetric, i.e., writing in 0 to 9 or 9 to 0, the resulting number is same. See some examples below,

$$201 := 0^3 + 1^9 + 2^4 + 3^7 - 4^8 + 5^1 + 6^6 + 7^5 + 8^2 + 9^0$$

$$202 := 0^0 + 1^9 + 2^6 + 3^8 - 4^7 + 5^5 + 6^3 + 7^2 + 8^1 + 9^4$$

$$203 := 0^3 - 1^9 + 2^4 + 3^7 - 4^8 + 5^0 + 6^6 + 7^5 + 8^2 + 9^1$$

$$204 := 0^8 + 1^9 + 2^5 + 3^7 - 4^6 + 5^1 + 6^4 + 7^2 + 8^0 + 9^3$$

$$205 := 0^3 + 1^9 + 2^4 + 3^7 - 4^8 + 5^0 + 6^6 + 7^5 + 8^2 + 9^1$$

$$206 := 0^7 - 1^9 - 2^5 - 3^8 + 4^6 + 5^1 + 6^3 + 7^4 + 8^0 + 9^2$$

$$207 := 0^8 + 1^9 + 2^5 + 3^7 - 4^6 + 5^0 + 6^4 + 7^2 + 8^1 + 9^3$$

$$208 := 0^7 + 1^9 - 2^5 - 3^8 + 4^6 + 5^1 + 6^3 + 7^4 + 8^0 + 9^2$$

$$209 := 0^7 - 1^9 - 2^5 - 3^8 + 4^6 + 5^0 + 6^3 + 7^4 + 8^1 + 9^2$$

$$210 := 0^5 - 1^7 - 2^8 - 3^9 + 4^1 + 5^6 + 6^0 + 7^3 + 8^4 + 9^2$$

$$211 := 0^7 + 1^9 - 2^5 - 3^8 + 4^6 + 5^0 + 6^3 + 7^4 + 8^1 + 9^2$$

$$212 := 0^5 + 1^7 - 2^8 - 3^9 + 4^1 + 5^6 + 6^0 + 7^3 + 8^4 + 9^2$$

$$213 := 0^5 + 1^8 - 2^7 - 3^9 + 4^1 + 5^6 + 6^3 + 7^0 + 8^4 + 9^2$$

$$214 := 0^5 + 1^7 - 2^8 - 3^9 + 4^0 + 5^6 + 6^1 + 7^3 + 8^4 + 9^2$$

$$215 := 0^5 + 1^9 + 2^8 + 3^7 - 4^6 + 5^0 + 6^4 + 7^2 + 8^3 + 9^1$$

$$216 := 0^1 - 1^7 + 2^8 - 3^9 + 4^5 + 5^6 + 6^0 + 7^4 + 8^3 + 9^2$$

$$217 := 0^7 - 1^9 + 2^5 - 3^8 + 4^6 + 5^2 + 6^3 + 7^4 + 8^1 + 9^0$$

$$218 := 0^1 + 1^7 + 2^8 - 3^9 + 4^5 + 5^6 + 6^0 + 7^4 + 8^3 + 9^2$$

$$219 := 0^7 + 1^9 + 2^5 - 3^8 + 4^6 + 5^2 + 6^3 + 7^4 + 8^1 + 9^0$$

$$220 := 0^7 + 1^9 + 2^5 - 3^8 + 4^6 + 5^2 + 6^3 + 7^4 + 8^0 + 9^1.$$

Below are more examples,

$$\begin{aligned}
\mathbf{11080} &:= 0^8 + 1^9 + 2^7 + 3^6 + 4^2 + 5^5 + 6^0 + 7^1 + 8^3 + 9^4 \\
\mathbf{11081} &:= 0^8 - 1^9 + 2^6 + 3^7 + 4^4 + 5^1 + 6^5 + 7^0 + 8^2 + 9^3 \\
\mathbf{11082} &:= 0^8 + 1^9 + 2^6 + 3^7 + 4^1 + 5^4 + 6^5 + 7^3 + 8^0 + 9^2 \\
\mathbf{11083} &:= 0^8 + 1^9 + 2^6 + 3^7 + 4^4 + 5^1 + 6^5 + 7^0 + 8^2 + 9^3 \\
\mathbf{11084} &:= 0^7 + 1^9 + 2^8 + 3^6 + 4^1 + 5^5 + 6^0 + 7^3 + 8^2 + 9^4 \\
\mathbf{11085} &:= 0^8 + 1^9 + 2^6 + 3^7 + 4^4 + 5^0 + 6^5 + 7^1 + 8^2 + 9^3 \\
\mathbf{11086} &:= 0^7 + 1^9 + 2^8 + 3^6 + 4^0 + 5^5 + 6^1 + 7^3 + 8^2 + 9^4 \\
\mathbf{11087} &:= 0^6 + 1^9 - 2^8 + 3^7 + 4^2 + 5^4 + 6^5 + 7^0 + 8^1 + 9^3.
\end{aligned}$$

The whole work is from 1 to 11111. For details refer [7].

Analysing the procedures given in sections 1.1 and 1.2, we observe that in section 1.1, all the 9 digits are used in increasing and decreasing ways to bring natural numbers, where each digit appears only once. In this case, the operations used are, **addition, subtraction, multiplication, division, potentiation, factorial** and **square-root**. The section 1.2 works with representations of natural numbers written in a way that we use each digit twice, where **bases** and **exponents** are of same digits with different permutations. Subsection 1.2.1 choose the digits from 1 to 9, according to necessity, while subsection 1.2.2 works with all the 10 digits, i.e., 0 to 9, along with the operations of **addition** and **subtraction**.

1.3 Third Way: Single Digit Representations

In [1], author wrote natural numbers 1 to 1000 using single digit in each case. For example,

$$\begin{aligned}
\mathbf{717} &:= (1+1)^{11} - 11^{(1+1+1)} \\
&:= 22^2 + 222 + 22/2 \\
&:= 3^{(3+3)} - 3 - 3 \times 3 \\
&:= 4 \times (4 \times 44 + 4) - 4 + 4/4 \\
&:= (55 \times (55 + 5 + 5) + 5 + 5)/5 \\
&:= (6 \times 6 / (6 + 6))^6 - 6 - 6 \\
&:= 777 - 7 \times 7 - 77/7 \\
&:= 8 \times 88 + (88 + 8 + 8)/8 \\
&:= 9 \times 9 \times 9 - (99 + 9)/9.
\end{aligned}$$

$$\begin{aligned}
\mathbf{786} &:= ((1+1+1)^{(1+1+1)} + 1)^{(1+1)} + 1 + 1 \\
&:= (22 + 2 + 2 + 2)^2 + 2 \\
&:= 33 \times (3^3 - 3) - 3 - 3 \\
&:= 4 \times (4 \times (44 + 4) + 4) + (4 + 4)/4 \\
&:= 5 + (5^5 - 5/5)/(5 - 5/5) \\
&:= 66 \times (6 + 6) - 6 \\
&:= 777 + 7 + (7 + 7)/7 \\
&:= 8 \times (88 + 8) + 8 + (88 - 8)/8 \\
&:= 9 \times 99 - 99 - 9 + (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\mathbf{995} &:= (11 - 1)^{(1+1+1)} - (11 - 1)/(1 + 1) \\
&:= 22 + 2 \times (22^2 + 2) + 2/2 \\
&:= 3 \times 333 - 3 - 3/3 \\
&:= 4 \times (4^4 - 4 - 4) + 4 - 4/4 \\
&:= 5 \times (5 + 5) \times (5 \times 5 - 5) - 5 \\
&:= 666 + 6 \times 66 - 66 - 6/6 \\
&:= (7 + 7) \times (77 - 7) + 7 + 7 + 7/7 \\
&:= 888 + 88 + 8 + 88/8 \\
&:= 999 - (9 + 9 + 9 + 9)/9.
\end{aligned}$$

$$\begin{aligned}
\mathbf{1000} &:= (11 - 1)^{(1+1+1)} \\
&:= 2 \times (22^2 + 2^{(2+2)}) \\
&:= (3 \times 3 + 3/3)^3 \\
&:= 4 \times (4^4 - 4) - 4 - 4 \\
&:= 5 \times (5 + 5) \times (5 \times 5 - 5) \\
&:= ((66 - 6)/6)^{(6 \times 6 / (6+6))} \\
&:= (7 + 7 + 7 - 7/7) \times (7 \times 7 + 7/7) \\
&:= 888 + 88 + 8 + 8 + 8 \\
&:= 999 + 9/9.
\end{aligned}$$

Values are calculated up to 1.000.000 (.txt file), but the work is written only from 0 to 1000. For details, refer Taneja [8]. For recent extension to 20000 in four parts refer Taneja [10, 10, 11]. This is second part from 5001-10000.

1.4 Forth Way: Single Letter Representations

We observe that the numbers written in previous section 1.3 are in terms of each digit, not necessarily symmetric. But there are numbers, that can be written in a symmetric way, see examples below:

$$5 = \frac{11-1}{1+1} = \frac{22-2}{2+2} = \frac{33-3}{3+3} = \frac{44-4}{4+4} = \frac{55-5}{5+5} = \frac{66-6}{6+6} = \frac{77-7}{7+7} = \frac{88-8}{8+8} = \frac{99-9}{9+9}.$$

$$6 = \frac{11+1}{1+1} = \frac{22+2}{2+2} = \frac{33+3}{3+3} = \frac{44+4}{4+4} = \frac{55+5}{5+5} = \frac{66+6}{6+6} = \frac{77+7}{7+7} = \frac{88+8}{8+8} = \frac{99+9}{9+9}.$$

$$55 = \frac{111-1}{1+1} = \frac{222-2}{2+2} = \frac{333-3}{3+3} = \frac{444-4}{4+4} = \frac{555-5}{5+5} = \frac{666-6}{6+6} = \frac{777-7}{7+7} = \frac{888-8}{8+8} = \frac{999-9}{9+9}.$$

$$56 = \frac{111+1}{1+1} = \frac{222+2}{2+2} = \frac{333+3}{3+3} = \frac{444+4}{4+4} = \frac{555+5}{5+5} = \frac{666+6}{6+6} = \frac{777+7}{7+7} = \frac{888+8}{8+8} = \frac{999+9}{9+9}.$$

Motivated by this idea, instead working for each digit separately, we can work with a **single letter "a"**, for example,

• Running-Type

$$5 := (aa - a)/(a + a)$$

$$6 := (aa + a)/(a + a)$$

$$55 := (aaa - a)/(a + a)$$

$$56 := (aaa + a)/(a + a)$$

$$561 := (aaaa + aa)/(a + a)$$

$$666 := aaa \times (aa + a)/((a + a) \times a)$$

$$925 := (aaaaa - aa)/(aa + a)$$

$$1089 := (aaaa - aa - aa)/a$$

$$1991 := (aaaaaa/aaa \times (a + a) - aa)/a$$

$$2020 := (aaaaa - a)/aa \times (a + a)/a$$

$$2035 := (aaaa - a)/(a + a + a) \times aa/(a + a)$$

$$4477 := (aaa/(a + a + a) \times aa \times aa)/(a \times a)$$

$$4999 := (aaaaa - aaaa - a - a)/(a + a)$$

$$5000 := (aaaaa - aaaa)/(a + a).$$

• Fraction-Type

$$5 := \frac{aa - a}{a + a}$$

$$6 := \frac{aa + a}{a + a}$$

$$55 := \frac{aaa - a}{a + a}$$

$$56 := \frac{aaa + a}{a + a}$$

$$561 := \frac{aaaa + aa}{a + a}$$

$$666 := \frac{aaa \times (aa + a)}{(a + a) \times a}$$

$$786 := \frac{(\frac{(aa + a) \times aa}{a} - a) \times (aa + a)}{(a + a) \times a}$$

$$925 := \frac{aaaaa - aa}{aa + a}$$

$$1089 := \frac{aaaa - aa - aa}{a}$$

$$1991 := \frac{\frac{aaaaaa}{aaa} \times (a + a) - aa}{a}$$

$$\begin{aligned}
 2020 &:= \frac{\frac{aaaaa - a}{aa} \times (a + a)}{aa} \\
 2035 &:= \frac{\frac{aaaa - a}{a + a + a} \times aa}{\frac{a + a}{aaa} \times aa \times aa} \\
 4477 &:= \frac{\frac{aaaa - a}{a + a + a} \times aa \times aa}{a \times a}
 \end{aligned}$$

$$\begin{aligned}
 4999 &:= \frac{(aaaaa - aaaa - a - a)}{(a + a)} \\
 5000 &:= \frac{(aaaaa - aaaa)}{(a + a)} \\
 122988 &:= \frac{(aaaa - a - a - a) \times aaa}{a \times a}
 \end{aligned}$$

where $a \in \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$, and $aa = 10 \times a + a$, $aaa = 10^2 \times a + 10 \times a + a$, etc.

The full work is from 1 to 11111 numbers, written in two different ways. One running type [15] and another in fraction-type way [16]. For previous work refer [12, 13]. The summary of author's work on recreation of numbers in different situations refer [22].

1.5 Running Expressions

Previous subsections, works with natural numbers in different situations using 9 or 10 digits. In this section also we shall do similar kind of work, but in little different way. It is based on the idea of subsection 1.1. We divide the numbers in equal parts, two or three in such a way that the results are increasing and decreasing orders 1 to 9 or 9 to 1 or 9 to 0 separated by equalities, for example,

$$\begin{aligned}
 1^{234} &= (5 + 67) / (8 \times 9) \\
 98/7 + 6 &= 54/3 + 2 \times 1.
 \end{aligned}$$

Below are more examples, written in increasing and decreasing ways:

- **Increasing Order**

$$\begin{aligned}
 12 &= 3 + 4 + (5 \times 6 + 7 + 8) / 9 & (1) \\
 123 &= 4 + 5 + 6 \times 7 + 8 \times 9 \\
 1234 &= -5 + 6! + 7 + 8^{\sqrt{9}}
 \end{aligned}$$

$$\begin{aligned}
 12 + 3 \times 4 + 5 \times (6 + 7) &= 89 \\
 1 + 23 + 45 + 6! &= 789
 \end{aligned}$$

- **Decreasing Order**

$$\begin{aligned}
 98 - 7 \times (6 + 5) \times (4 - 3) &= \mathbf{21} \\
 \sqrt{9} \times 87 + 6 + 54 &= \mathbf{321} \\
 9 - 8 + 7! - 6 \times 5! &= \mathbf{4321}
 \end{aligned} \tag{2}$$

$$\begin{aligned}
 9 - 8 + 7 - 6 + 5 + 4 - 3 + 2 &= \mathbf{10} \\
 9 \times (8 + 7) + 6 + 5 + 4^3 &= \mathbf{210} \\
 (9 - 87 + 6!) \times 5! / 4! &= \mathbf{3210}
 \end{aligned}$$

$$\begin{aligned}
 \mathbf{98} &= (7 + 6) \times 5 + 4 \times 3 + 21 \\
 \mathbf{987} &= 6! + 5! + (4 + 3) \times 21
 \end{aligned}$$

$$\begin{aligned}
 \mathbf{98} &= 7 + 65 + 4 + 32 - 10 \\
 \mathbf{987} &= 6! + 54 + 3 + 210
 \end{aligned}$$

Above examples give representations separated by equality sign having the digits in either increasing and/or decreasing orders. There are numbers that can be written in increasing as well as decreasing orders at the same time with single or double equality signs, such as

$$\begin{aligned}
 \mathbf{16} &:= 12/3 \times 4 = 5 + 6 + (7 + 8)/\sqrt{9} \\
 &:= (9 + 87)/6 = 5 + 4 + 3 \times 2 + 1
 \end{aligned}$$

$$\begin{aligned}
 \mathbf{18} &= 12 + 3! = \sqrt{4 + 5} \times 6 = 7 + 8 + \sqrt{9} \\
 &= \sqrt{9} + 8 + 7 = \sqrt{6 \times 54} = -3 + 21 = 3! + 2 + 10
 \end{aligned}$$

$$\begin{aligned}
 \mathbf{120} &:= (1 \times 2 + 3)! = 4 \times 5 \times 6 = ((7 + 8)/\sqrt{9})! \\
 &:= ((\sqrt{9})! - 8 + 7)! = 6 \times 5 \times 4 = (3 \times 2 - 1)! = 3! \times 2 \times 10
 \end{aligned} \tag{3}$$

The above three examples divide the numbers in two and three parts respectively with equality signs using the numbers in increasing as well as decreasing orders. From the examples (1), (2) and (3), we observe that the operations used are **addition, subtraction, multiplication, division, potentiation, factorial** and **square-root**. More details can be seen in [22, 18, 19]. In this work, our interest is to found examples similar to (1), (2) and (3), using **Fibonacci sequence** values.

1.5.1 Running Expressions with Fibonacci Sequence

Fibonacci sequence numbers are well known in literature. This sequence is defined as

$$F(0) = 0, \quad F(1) = 1, \quad F(n+1) = F(n) + F(n-1), \quad n \geq 1.$$

Similar to (1) and (2), given above, below are examples of running expressions using **Fibonacci sequence** numbers. Most of the results uses basic operations, except numbers 21 and 9876, where extra operation, such as factorial is used.

- **Increasing Order**

$$12 = F(3) \times F(4) \times F(5) + 6 - 7 - 8 - 9 \quad (4)$$

$$123 = -4 \times 5 \times (6 - F(7)) - 8 - 9$$

$$1234 = 5 \times F(6) \times F(7) + F(8) \times F(9)$$

$$1 + F(2^3 + F(4)) + (5 - 6)^7 = 89$$

$$1 \times 2 \times 3^4 \times 5 - F(F(6)) = 789$$

$$1 + 23 + F(4 \times 5) = 6789.$$

- **Decreasing Order**

$$9 + (-F(8)/7 + 6) \times 5 - F(4)! + 3 = 21 \quad (5)$$

$$-98 - F(7) + F(6) \times 54 = 321$$

$$(F(9) \times F(8) + 7) \times 6 - 5 = 4321$$

$$98 = (7 - 6) \times 5 + F(4) \times (32 - 1)$$

$$987 = (6 - 5) \times F(4 \times (3 + 2 - 1))$$

$$98 = -5 - 4 - 3 + 2 \times F(10)$$

$$987 = (6 - 5)^4 \times F(3 \times 2 + 10)$$

$$9876 = (\sqrt{5+4})! + F(F(3!) \times 2) \times 10$$

More details can be seen in Taneja [20].

1.5.2 Running Expressions with Triangular Numbers

Triangular numbers are very much famous in the literature of mathematics. These are given by

$$1, 3, 6, 10, 15, 21, \dots$$

The general formula to write these numbers is given by

$$T(n) = 1 + 2 + 3 + \dots = \frac{n+1}{2} = C(n+1, 2)$$

The letter "C" represents as "**binomial coefficient**".

In this paper our aim is to bring **running expressions** by use of **triangle numbers**. This we have done in subsequent sections. Due to high quantity of numbers, we the work is limited to 3 digits in case of single equality. As a part of results, see below some interesting examples,

- **Increasing Order**

$$12 = T(3) - 4 - 5 + 6 - (7 - 8) \times 9 \quad (6)$$

$$123 = (-4 + 5) \times 6 + T(7) + 89$$

$$1234 = T(56 \times 7/8) + 9$$

$$1 + 2 + T(3) \times 4 - 5 + 67 = 89$$

$$1 + 2 + T(3) + T(45 - 6) = 789$$

$$-1 - 2 + T(3) + T(-4 + T(T(5))) = 6789.$$

- **Decreasing Order**

$$9 \times 8 - T(7) - T(6) + 5 - 4 - 3 = 21 \quad (7)$$

$$T(9 + 8) - 7 \times 6 + T(5 \times 4) = 321$$

$$(-T(9) + T(T(8))) \times 7 - T(6) - 5 = 4321$$

$$98 = (7 - 6) \times 5^4 - T(32) + 1$$

$$987 = T(6) \times (5 \times T(4) - 3) \times (2 - 1)$$

$$9876 = T(5 \times T(4 + 3)) + T(2 + 1)$$

$$98 = (7 - 6) \times T(5) - 4 + 32 + T(10) \quad (8)$$

$$987 = (6 - 5) \times 4 \times (T(T(T(3))) + 2) + T(10)$$

$$9876 = (-5 + T(T(T(4)))) \times T(3) + T(T(-2 + 10))$$

$$9 \times 8 - T(7) - T(6) - T(5) - 4 + 3 \times 2 = 10$$

$$T(9) + 87 \times (6 - 5) + T(4 \times 3) = 210$$

$$T(9) + 8 + 7 + T(6) \times T(5) \times T(4) = 3210$$

More details can be seen in Taneja [21].

2 Single Digit Representations From 1 to 20000

The whole work brings numbers 1 to 10000 written in terms of single digits. Since, it is not possible to put all the numbers in single work, we divided it in four parts as given below:

- Part I: From 0001 to 5000; [9];
- Part II: From 5001 to 10000
- Part III: From 10001 to 15000 [10];
- Part IV: From 15000 to 20000 [11].

This paper brings second part giving **single digit representations** of natural numbers from 5001 to 10000. For other parts refer [9, 10, 11].

Remark 2.1. Due to high quantity of numbers there are so many extra brackets. After simplifications, these unnecessary brackets can be removed easily.

2.1 Single Digit Representation: 5001-10000

This subsection brings the first part of the whole project. Here, the numbers are represented from 5001 to 10000 in terms of different digits.

$$\begin{aligned}
 \blacktriangleright 5001 &:= 1 + (((11-1)^{1+1+1+1})/(1+1)) \\
 &:= ((2 \times (2+2) + 2)^{2+2} + 2)/2 \\
 &:= 3 + (333 \times (3 \times 3 + 3 + 3) + 3) \\
 &:= 4/4 + ((4+4) \times (4/4 + 4)^4) \\
 &:= (5/5 + 5)^5 - 5 \times 555 \\
 &:= 6 + (666/6 \times (666/6 - 66)) \\
 &:= 7 + (77/7 \times (777/7 + 7 \times 7 \times 7)) \\
 &:= 8 + ((88 \times (8 \times 8 - 8) + 8 \times 8) + 8/8) \\
 &:= 9 + ((9 \times (9 \times (9 \times 9 - (9+9)))) - 999/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 5005 &:= 11 \times (11 + ((1+1) \times (1+1) \times 111)) \\
 &:= (22/2)^2 + 22 \times 222 \\
 &:= 3 + (((3/3 + 3)^3) - 3) \times (3 \times 3^3 + 3/3) \\
 &:= 4 + (((4+4) \times (4/4 + 4)^4) + 4/4) \\
 &:= 5 + (5 \times 5 \times (5+5) \times (5 \times 5 - 5)) \\
 &:= (66 - 6/6) \times (66/6 + 66) \\
 &:= 7 + ((7+7) \times (7 \times 7 \times 7 + 7 + 7)) \\
 &:= (8 - 8/8) \times (88/8 + 8 \times 88) \\
 &:= 9/9 + (9 \times ((9999 + 9)/(9+9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 5009 &:= ((11-1) \times (1+1)^{11-1-1}) - 111 \\
 &:= (((2 \times (2+2) + 2)^{2+2} + 22)/2) - 2 \\
 &:= 3 \times 33 + ((33/3 + 3 + 3)^3 - 3) \\
 &:= 4^4 \times (4 \times 4 + 4) - 444/4 \\
 &:= 5 \times (5 - 5/5)^5 - 555/5 \\
 &:= 6 + ((6 \times ((66 \times (6+6) + 6 \times 6) + 6)) - 6/6) \\
 &:= 77/7 + ((7+7) \times (7 \times 7 \times 7 + 7 + 7)) \\
 &:= 8 \times 8 \times (88 - 8) - 888/8 \\
 &:= 9 + ((9999 + 9/9)/(9+9/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 5002 &:= 1 + (1 + (((11-1)^{1+1+1+1})/(1+1))) \\
 &:= 2 + (2 \times (2 \times (22+2) + 2)^2) \\
 &:= (((3/3 + 3)^3) - 3) \times (3 \times 3^3 + 3/3) \\
 &:= (4+4)/4 + ((4+4) \times (4/4 + 4)^4) \\
 &:= (5+5)/5 \times (((5-5^5)/5) + 5^5) \\
 &:= (6 \times 6 - 6/6 + 6) \times ((666 + 66)/6) \\
 &:= 7 + (777/7 \times ((7 \times 7 - 77/7) + 7)) \\
 &:= 8 + ((88 \times (8 \times 8 - 8) + ((8+8)/8)) + 8 \times 8) \\
 &:= (9/9 + 9 \times 9) \times (9 \times 9 - (99/9 + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 5006 &:= 1 + (11 \times (11 + ((1+1) \times (1+1) \times 111))) \\
 &:= 2 + (2 \times ((2 \times (22+2) + 2)^2 + 2)) \\
 &:= 33/3 + 333 \times (3 \times 3 + 3 + 3) \\
 &:= 4 + (((4+4) \times (4/4 + 4)^4) + (4+4)/4) \\
 &:= 5 + ((5/5 + 5)^5 - 5 \times 555) \\
 &:= 6/6 + ((66 - 6/6) \times (66/6 + 66)) \\
 &:= 7 + (((7+7) \times (7 \times 7 \times 7 + 7 + 7)) + 7/7) \\
 &:= 8 + ((8 - 8/8) \times (((8+8)/8) + 8 \times 88 + 8)) \\
 &:= (9+9)/9 + (9 \times ((9999 + 9)/(9+9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 5010 &:= (11-1) \times ((1+1)^{11-1-1} - 11) \\
 &:= 2 + (2 \times ((2 \times (22+2) + 2)^2 + 2) + 2) \\
 &:= (3 \times 3 + 3 + 3) \times (333 + 3/3) \\
 &:= (44 - 4)/4 + ((4+4) \times (4/4 + 4)^4) \\
 &:= 5 + ((5 \times 5 \times (5+5) \times (5 \times 5 - 5)) + 5) \\
 &:= 6 + (6 \times ((66 \times (6+6) + 6 \times 6) + 6)) \\
 &:= (7 - 7/7) \times ((77 \times 77 - (77+7))/7) \\
 &:= (((8+8)/8) + 8) \times (8 \times 8 \times 8 - 88/8) \\
 &:= (9/9 + 9) \times (((9+9)/9)^9) - (99/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 5003 &:= 1 + (1 + (1 + (((11-1)^{1+1+1+1})/(1+1)))) \\
 &:= 2 + (((2 \times (2+2) + 2)^{2+2} + 2)/2) \\
 &:= 3 + ((3 - 3/3 + 3) \times ((3 \times 3 + 3/3)^3)) \\
 &:= 4 + (((4+4) \times (4/4 + 4)^4) - 4/4) \\
 &:= 5 + ((5+5)/5 \times (5^5 - (5^5 + 5)/5)) \\
 &:= (6 \times ((66 \times (6+6) + 6 \times 6) + 6)) - 6/6 \\
 &:= 7 + (((7+7) \times (7 \times 7 \times 7 + 7 + 7)) - ((7+7)/7)) \\
 &:= 8 \times 8 + (88 \times (8 \times 8 - 8) + (88/8)) \\
 &:= (9 \times (9 \times (9 \times 9 - (9+9)))) - (9/9 + 99)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 5007 &:= 1 + (1 + (11 \times (11 + ((1+1) \times (1+1) \times 111)))) \\
 &:= 2 + (22 \times 222 + (22/2)^2) \\
 &:= 3 + (333 \times (3 \times 3 + 3 + 3) + 3 \times 3) \\
 &:= 4 + (((4+4) \times (4/4 + 4)^4) - 4/4 + 4) \\
 &:= 5 + ((5+5)/5 \times (((5-5^5)/5) + 5^5)) \\
 &:= 666/6 + ((6+6) \times (6 \times 66 + 6 + 6)) \\
 &:= 7 + (((7+7) \times (7 \times 7 \times 7 + 7 + 7)) + ((7+7)/7)) \\
 &:= 88 + (88 \times (8 \times 8 - 8) - (8/8 + 8)) \\
 &:= 9 + ((99 - 9/9) \times (9 \times (9+9) - 999/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 5011 &:= 11 + (((11-1)^{1+1+1+1})/(1+1)) \\
 &:= ((2 \times (2+2) + 2)^{2+2} + 22)/2 \\
 &:= 3 + (((3+3)^3 - 3)/3)^{3-3/3} - 33 \\
 &:= 44/4 + ((4+4) \times (4/4 + 4)^4) \\
 &:= 5 + (((5/5 + 5)^5 - 5 \times 555) + 5) \\
 &:= 6 + ((66 - 6/6) \times (66/6 + 66)) \\
 &:= 777/7 + (7 \times (777 - 77)) \\
 &:= 8 + ((88 \times (8 \times 8 - 8) + (88/8)) + 8 \times 8) \\
 &:= (9 \times ((9 \times (9 \times 9 - (9+9)))) - 9) - 99/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 5004 &:= (11-1-1) \times ((1+1111)/(1+1)) \\
 &:= 2 \times ((2 \times (22+2) + 2)^2 + 2) \\
 &:= 3 \times (333 \times (3 - 3/3 + 3) + 3) \\
 &:= 4 + ((4+4) \times (4/4 + 4)^4) \\
 &:= (5 - 5/5) \times ((5^5 + 5^5 + 5)/5) \\
 &:= 6 \times ((66 \times (6+6) + 6 \times 6) + 6) \\
 &:= 7 + (((7+7) \times (7 \times 7 \times 7 + 7 + 7)) - 7/7) \\
 &:= (8/8 + 8) \times ((8888 + 8)/(8+8)) \\
 &:= 9 \times ((9999 + 9)/(9+9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 5008 &:= ((11-1) \times (1+1)^{11-1-1}) - (1+111) \\
 &:= 2 \times (((2 \times (22+2) + 2)^2 + 2) + 2) \\
 &:= (((3+3)^3 - 3)/3)^{3-3/3} - 33 \\
 &:= 4 + (((4+4) \times (4/4 + 4)^4) + 4) \\
 &:= (55/5 + 5) \times (5^5 + 5)/(5+5) \\
 &:= 6 + ((6 \times 6 - 6/6 + 6) \times ((666 + 66)/6)) \\
 &:= (7/7 + 7) \times ((7 \times (77 + 7 + 7)) - (77/7)) \\
 &:= 88 + (88 \times (8 \times 8 - 8) - 8) \\
 &:= 9 + ((9999 - 9/9)/(9+9/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 5012 &:= 1 + (11 + (((11-1)^{1+1+1+1})/(1+1))) \\
 &:= 2 \times (((2 \times (22+2) + 2)^2 + 2) + 2) + 2 \\
 &:= 3 \times 33 + (33/3 + 3 + 3)^3 \\
 &:= 4 + (((4+4) \times (4/4 + 4)^4) + 4) + 4 \\
 &:= (5+5)/5 \times (((5-5^5)/5) + 5^5) + 5 \\
 &:= 666 + (((6-66)/6) + 66 \times 66) \\
 &:= 7 + (((7+7) \times (7 \times 7 \times 7 + 7 + 7)) + 7) \\
 &:= (8 - 8/8) \times (((88+8)/8) + 8 \times 88) \\
 &:= 99 + (((9-9/9) + 9)^{(9+9+9)/9})
 \end{aligned}$$

- 5013 := $(11 - 1 - 1) \times (1 + ((1 + 1111)/(1 + 1)))$
:= $2 + (((2 \times (2 + 2) + 2)^{2+2} + 22)/2)$
:= $33 \times (3 + 3) \times 3^3 - 333$
:= $4 + (4^4 \times (4 \times 4 + 4) - 444/4)$
:= $5 + ((55/5 + 5) \times (5^5 + 5)/(5 + 5))$
:= $((6/6 + 6) \times (((6 \times 6/(6 + 6))^6 - (6 + 6))) - 6)$
:= $7 + (((7 + 7) \times (7 \times 7 \times 7 + 7 + 7)) + 7/7) + 7$
:= $8 + ((8 - 8/8) \times (88/8 + 8 \times 88))$
:= $9 \times ((9 \times (9 \times 9 - (9 + 9))) - 9) - 9$
- 5014 := $(1 + 1) \times ((1 + (11 + 11)) \times (111 - 1 - 1))$
:= $(2 \times 22 + 2) \times (222/2 - 2)$
:= $((((3 + 3)^3 - 3)/3)^{3-3/3} - 3^3)$
:= $4 + (((4 + 4) \times (4/4 + 4)^4) + (44 - 4)/4)$
:= $5 + (5 \times (5 - 5/5)^5 - 555/5)$
:= $666 + (66 \times 66 - ((6 + 6)/6 + 6))$
:= $((7 + 7)/7) \times (((7/7 + 7 \times 7)^{(7+7)/7}) + 7)$
:= $88 + (88 \times (8 \times 8 - 8) - ((8 + 8)/8))$
:= $9/9 + ((9 \times (9 \times 9 - (9 + 9))) - 9) - 9$
- 5015 := $1 + ((1 + 1) \times ((1 + (11 + 11)) \times (111 - 1 - 1)))$
:= $22 \times (222 + 2 + 2 + 2) - 2/2$
:= $3 + ((33/3 + 3 + 3)^3 + 3 \times 33)$
:= $4 + (((4 + 4) \times (4/4 + 4)^4) + 44/4)$
:= $5 \times ((5 - 5/5)^5 - (5 + 5)) - 55$
:= $666 + (66 \times 66 - (6/6 + 6))$
:= $7 \times 777 - ((77 \times 77 + 7)/(7 + 7))$
:= $88 + (88 \times (8 \times 8 - 8) - 8/8)$
:= $(9 + 9)/9 + ((9 \times (9 \times 9 - (9 + 9))) - 9) - 9$
- 5016 := $(1 + 1) \times ((1 + 1) \times (11 \times (1 + 1 + 1 + 111)))$
:= $22 \times (222 + 2 + 2 + 2)$
:= $33 \times ((3 - 3/3 + 3)^3 + 3^3)$
:= $4 \times 4 + ((4 + 4) \times (4/4 + 4)^4)$
:= $(5 - 5/5) \times (((5^5 - 5 + 5^5)/5) + 5)$
:= $66 \times (((6 + 6)/6)^6 + 6) + 6$
:= $(7/7 - 77) \times (77/7 - 77)$
:= $88 + 88 \times (8 \times 8 - 8)$
:= $(9 - 9/9) \times ((9 \times 9 \times 9 - 999/9) + 9)$
- 5017 := $1 + ((1 + 1) \times ((1 + 1) \times (11 \times (1 + 1 + 1 + 111))))$
:= $2/2 + (22 \times (222 + 2 + 2 + 2))$
:= $3 + (((((3 + 3)^3 - 3)/3)^{3-3/3} - 3^3)$
:= $4 \times 4 + (((4 + 4) \times (4/4 + 4)^4) + 4/4)$
:= $5 + ((5 + 5)/5 \times (((5 - 5^5)/5) + 5^5) + 5)$
:= $6/6 + ((66 \times 66 - 6) + 666)$
:= $(7 \times (7 \times (7 \times (7 + 7) + 7))) - ((7 + 7)/7)^7$
:= $8/8 + (88 \times (8 \times 8 - 8) + 88)$
:= $9 + (((9999 - 9/9)/(9 + 9)/9) + 9)$
- 5018 := $(1 + 1) \times (1 + ((1 + 1) \times (11 \times (1 + 1 + 1 + 111))))$
:= $2 + (22 \times (222 + 2 + 2 + 2))$
:= $3 + (((33/3 + 3 + 3)^3 + 3 \times 33) + 3)$
:= $((4 - 4/4)^4 \times (4^4 - 4 - 4)/4) - 4$
:= $5 + (((55/5 + 5) \times (5^5 + 5)/(5 + 5)) + 5)$
:= $666 + ((66 \times 66 - 6) + ((6 + 6)/6))$
:= $(7 \times (777 - 7 \times 7)) - 7/7 - 77$
:= $88 + (88 \times (8 \times 8 - 8) + ((8 + 8)/8))$
:= $9 + (((9999 + 9/9)/(9 + 9)/9) + 9)$
- 5019 := $(11 + (11 - 1)) \times (((1 + 1) \times (11^{1+1} - 1)) - 1)$
:= $(2/2 - 22) \times (((2 - 22^2)/2) + 2)$
:= $(3^3 \times (((3 + 3)^3 - 33) + 3)) - 3$
:= $((4/4 + 4) \times (4 \times (4^4 - 4) - 4)) - 4/4$
:= $(5 \times (((5 - 5/5)^5 - 5 \times 5) + 5)) - 5/5$
:= $(6/6 + 6) \times (((6 \times 6/(6 + 6))^6 - (6 + 6))$
:= $(7 \times (777 - 7 \times 7)) - 77$
:= $88 + ((88 \times (8 \times 8 - 8) - 8) + (88/8))$
:= $9 + ((9/9 + 9) \times (((9 + 9)/9)^9 - (99/9)))$
- 5020 := $(11 - 1) \times (1 + ((1 + 1)^{11-1-1} - 11))$
:= $((22 + 2)^2) + (2 \times 2222)$
:= $3/3 + ((3^3 \times (((3 + 3)^3 - 33) + 3)) - 3)$
:= $(4/4 + 4) \times (4 \times (4^4 - 4) - 4)$
:= $5 \times (((5 - 5/5)^5 - 5 \times 5) + 5)$
:= $666 + (66 \times 66 - ((6 + 6)/6))$
:= $7/7 + ((7 \times (777 - 7 \times 7)) - 77)$
:= $8 + ((8 - 8/8) \times (((88 + 8)/8) + 8 \times 88))$
:= $(9/9 + 9) \times (((9 + 9)/9)^9 - (9/9 + 9))$
- 5021 := $1 + ((11 - 1) \times (1 + ((1 + 1)^{11-1-1} - 11)))$
:= $22 + (((2 \times (2 + 2) + 2)^{2+2} - 2)/2)$
:= $(3 \times (33 + 3)) + (33/3 + 3 + 3)^3$
:= $4/4 + ((4/4 + 4) \times (4 \times (4^4 - 4) - 4))$
:= $5/5 + (5 \times (((5 - 5/5)^5 - 5 \times 5) + 5))$
:= $666 + (66 \times 66 - 6/6)$
:= $(7 + 7)/7 + ((7 \times (777 - 7 \times 7)) - 77)$
:= $8 \times 8 \times (88 - 8) - (88/8 + 88)$
:= $(9 \times ((9 \times (9 \times 9 - (9 + 9))) - 9)) - 9/9$
- 5022 := $11 + (11 + (((11 - 1)^{1+1+1+1})/(1 + 1)))$
:= $22 + (2 \times (2 \times (22 + 2) + 2)^2)$
:= $3^3 \times (((3 + 3)^3 - 33) + 3)$
:= $(4 - 4/4)^4 \times (4^4 - 4 - 4)/4$
:= $(5 + 5)/5 \times (((55 - 5^5)/5) + 5^5)$
:= $666 + 66 \times 66$
:= $(7 - 7/7) \times ((77/7 + 777) + 7 \times 7)$
:= $(8 \times 8 - ((8 + 8)/8)) \times ((8/8 - 8) + 88)$
:= $9 \times ((9 \times (9 \times 9 - (9 + 9))) - 9)$
- 5023 := $1 + (11 + (11 + (((11 - 1)^{1+1+1+1})/(1 + 1))))$
:= $22 + (((2 \times (2 + 2) + 2)^{2+2} + 2)/2)$
:= $3/3 + (3^3 \times (((3 + 3)^3 - 33) + 3))$
:= $((4 \times 4 + 4) \times (4^4 - 4)) - (4 \times 4 + 4/4)$
:= $5 \times 5 + ((5 + 5)/5 \times (5^5 - (5^5 + 5)/5))$
:= $6/6 + (66 \times 66 + 666)$
:= $7 + ((7/7 - 77) \times (77/7 - 77))$
:= $8 + ((88 \times (8 \times 8 - 8) - 8/8) + 88)$
:= $9/9 + (9 \times ((9 \times 9 - (9 + 9))) - 9)$
- 5024 := $111 + ((1 + (1 + 1)^{1+1+1+1})^{1+1+1})$
:= $2 \times ((2 \times 22)^2 + ((22 + 2)^2))$
:= $333/3 + (33/3 + 3 + 3)^3$
:= $4 \times ((4/4 + 4) \times (4^4 - 4) - 4)$
:= $(5 - 5/5) \times (((5^5 + 5^5 + 5)/5) + 5)$
:= $666 + (66 \times 66 + ((6 + 6)/6))$
:= $7 + ((7 \times (7 \times (7 \times (7 + 7) + 7))) - ((7 + 7)/7)^7)$
:= $8 + (88 \times (8 \times 8 - 8) + 88)$
:= $(9 + 9)/9 + (9 \times ((9 \times 9 - (9 + 9))) - 9)$
- 5025 := $((((111 - 1)^{1+1}) - (1 + 1)^{11})/(1 + 1)) - 1$
:= $2 + (((2 \times (2 + 2) + 2)^{2+2} + 2)/2) + 22$
:= $3 + (3^3 \times (((3 + 3)^3 - 33) + 3))$
:= $4/4 + (4 \times ((4/4 + 4) \times (4^4 - 4) - 4))$
:= $5 \times (5 \times (5 + 5) \times (5 \times 5 - 5) + 5)$
:= $(66 + 6/6) \times (666/6 - 6 \times 6)$
:= $(7/7 + 7 + 7) \times (7 \times 7 \times 7 - (7/7 + 7))$
:= $8 + ((88 \times (8 \times 8 - 8) + 88) + 8/8)$
:= $((9 + 9 + 9)/9) + (9 \times ((9 \times 9 - (9 + 9))) - 9)$
- 5026 := $((((111 - 1)^{1+1}) - (1 + 1)^{11})/(1 + 1))$
:= $2 + (2 \times ((2 \times 22)^2 + ((22 + 2)^2)))$
:= $(3/3 + 3 + 3) \times (3^{3+3} - 33/3)$
:= $4 + ((4 - 4/4)^4 \times (4^4 - 4 - 4)/4)$
:= $(5/5 + 5)^5 + (5 \times (5 - 555))$
:= $6 + ((66 \times 66 - ((6 + 6)/6)) + 666)$
:= $7 + ((7 \times (777 - 7 \times 7)) - 77)$
:= $8 + ((88 \times (8 \times 8 - 8) + ((8 + 8)/8)) + 88)$
:= $(9 - (9 + 9)/9) \times (9 \times 9 \times 9 - (99/9))$
- 5027 := $11 \times (11 + ((1 + 1) \times (1 + (1 + 1) \times 111)))$
:= $22 + (22 \times 222 + (22/2)^2)$
:= $3 + ((33/3 + 3 + 3)^3 + 333/3)$
:= $((4 + 4) \times ((4/4 + 4)^4 + 4)) - 4/4 - 4$
:= $5 + ((5 + 5)/5 \times (((55 - 5^5)/5) + 5^5))$
:= $6 + ((66 \times 66 - 6/6) + 666)$
:= $((7/7 - 7) + 77)^{(7+7)/7} - (7 + 7)$
:= $88 + (88 \times (8 \times 8 - 8) + (88/8))$
:= $9 + (((9999 + 9/9)/(9 + 9)/9) + 9) + 9$

$$\begin{aligned}
\blacktriangleright 5028 &:= 1 + (11 \times (11 + ((1 + 1) \times (1 + (1 + 1) \times 111)))) \\
&:= 2 \times (((2 \times 22)^2 + ((22 \times 2)^2)) + 2) \\
&:= 33 + 333 \times (3 \times 3 + 3 + 3) \\
&:= ((4 + 4) \times ((4/4 + 4)^4 + 4)) - 4 \\
&:= (5 - 5/5) \times (((5 + 5)/5 \times (5^5 + 5)/5) + 5) \\
&:= 6 + (66 \times 66 + 666) \\
&:= ((7 + 7)/7)^7 + (7 \times (777 - 77)) \\
&:= 88 + (88 \times (8 \times 8 - 8) + ((88 + 8)/8)) \\
&:= ((9/9 + 9) \times (((9 + 9)/9)^9 - 9)) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5029 &:= ((1 + 1 + 1) \times ((1 + 1)^{11} - 1)) - (1 + 1111) \\
&:= 2 + ((22 \times 222 + (22/2)^2) + 22) \\
&:= 3 + ((3/3 + 3 + 3) \times (3^{3+3} - 33/3)) \\
&:= ((4 \times 4 + 4) \times (4^4 - 4)) - 44/4 \\
&:= 5 + (55 \times (5 \times 5 + 55) + (5^5 - 5)/5) \\
&:= 6 + ((66 \times 66 + 666) + 6/6) \\
&:= (7 \times (777 - (7 \times 7 + 7))) - (77/7 + 7) \\
&:= ((88 - 8) \times (8 \times 8 - 8/8)) - 88/8 \\
&:= ((9/9 + 9) \times (((9 + 9)/9)^9 - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5030 &:= ((1 + 1 + 1) \times ((1 + 1)^{11} - 1)) - 1111 \\
&:= 2 + (22 \times 222 + ((2 \times (2 + 2 + 2))^2)) \\
&:= (3 \times 3 + 3/3) \times (((3 - 3/3)^{3 \times 3}) - 3 \times 3) \\
&:= (4/4 + 4) \times (4 \times (4^4 - 4) - (4 + 4)/4) \\
&:= 5 + (5 \times (5 \times (5 + 5) \times (5 \times 5 - 5) + 5)) \\
&:= 6 + ((66 \times 66 + 666) + ((6 + 6)/6)) \\
&:= 7 + (((7/7 - 77) \times (77/7 - 77)) + 7) \\
&:= (((8 + 8)/8) + 8) \times (8 \times 8 \times 8 - (8/8 + 8)) \\
&:= (9/9 + 9) \times (((9 + 9)/9)^9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5031 &:= 1 + (((1 + 1 + 1) \times ((1 + 1)^{11} - 1)) - 1111) \\
&:= ((2 \times 22) - 2/2) \times ((22/2)^2 - (2 + 2)) \\
&:= 3 + (333 \times (3 \times 3 + 3 + 3) + 33) \\
&:= ((4 + 4) \times ((4/4 + 4)^4 + 4)) - 4/4 \\
&:= 5 + ((5 \times (5 - 555)) + (5/5 + 5)^5) \\
&:= (6 \times 6 + 6/6 + 6) \times (666/6 + 6) \\
&:= 7777/7 + ((77 - 7) \times (7 \times 7 + 7)) \\
&:= 8 \times 8 \times (88 - 8) - (8/8 + 88) \\
&:= 9 + (9 \times (9 \times (9 \times 9 - (9 + 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5032 &:= ((1 + 1 + 1) \times (1 + 1)^{11}) - (1 + 1111) \\
&:= 2 \times ((2 \times (22 + 2) + 2)^2 + 2^{2+2}) \\
&:= (((3 + 3)^3 - 3)/3)^{3-3/3} - 3 \times 3 \\
&:= (4 + 4) \times ((4/4 + 4)^4 + 4) \\
&:= ((5 - (5 + 5)/5) + 5) \times ((5^5 - 5)/5 + 5) \\
&:= 666 + (((66 - 6)/6) + 66 \times 66) \\
&:= 7 + ((7/7 + 7 + 7) \times (7 \times 7 \times 7 - (7/7 + 7))) \\
&:= 8 \times 8 \times (88 - 8) - 88 \\
&:= ((9 \times 9 - (9/9 + 9))^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5033 &:= ((1 + 1 + 1) \times (1 + 1)^{11}) - 1111 \\
&:= 22 + (((2 \times (2 + 2) + 2)^{2+2} + 22)/2) \\
&:= 33 + ((3 - 3/3 + 3) \times ((3 \times 3 + 3/3)^3)) \\
&:= 4/4 + ((4 + 4) \times ((4/4 + 4)^4 + 4)) \\
&:= 5 \times 5 + ((55/5 + 5) \times (5^5 + 5)/(5 + 5)) \\
&:= 666 + (66 \times 66 + (66/6)) \\
&:= 77 \times 77 - (7 \times ((7 + 7)/7)^7) \\
&:= 8/8 + (8 \times 8 \times (88 - 8) - 88) \\
&:= 99/9 + (9 \times (9 \times (9 \times 9 - (9 + 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5034 &:= 1 + (((1 + 1 + 1) \times (1 + 1)^{11}) - 1111) \\
&:= 2 + (2 \times ((2 \times (22 + 2) + 2)^2 + 2^{2+2})) \\
&:= (3 + 3) \times (((333 - 3)/3) + 3^{3+3}) \\
&:= (4 + 4)/4 + ((4 + 4) \times ((4/4 + 4)^4 + 4)) \\
&:= (5 \times ((5 - 5/5)^5 + 5)) - 555/5 \\
&:= 6 + ((66 \times 66 + 666) + 6) \\
&:= (((7/7 - 7) + 77)^{(7+7)/7}) - 7 \\
&:= (8 + 8)/8 + (8 \times 8 \times (88 - 8) - 88) \\
&:= (99 + 9)/9 + (9 \times (9 \times (9 \times 9 - (9 + 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5035 &:= 1 + (1 + (((1 + 1 + 1) \times (1 + 1)^{11}) - 1111)) \\
&:= ((2 \times (2 + 2 + 2)^2 - 2/2)^2) - 2 - 2 - 2 \\
&:= (((3 + 3)^3 - 3)/3)^{3-3/3} - 3 - 3 \\
&:= (4/4 + 4) \times (4 \times (4^4 - 4) - 4/4) \\
&:= (5 \times ((5 - 5/5)^5 - 5)) - 55 - 5 \\
&:= (((66 - 6/6) + 6)^{(6+6)/6}) - 6 \\
&:= 7 + ((7 \times (777 - 77)) + ((7 + 7)/7)^7) \\
&:= (8 \times 8 - 88/8) \times (88 - 8/8 + 8) \\
&:= 9 + ((9 - (9 + 9)/9) \times (9 \times 9 \times 9 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5036 &:= ((1 + 1 + 1) \times (1 + (1 + 1)^{11})) - 1111 \\
&:= (22 \times (((22^2 - 22)/2) - 2)) - 2 \\
&:= (3/3 + 3) \times ((3 \times (3 - 3^3)) + (33/3)^3) \\
&:= ((4 \times 4 + 4) \times (4^4 - 4)) - 4 \\
&:= (((55/5 + 55) + 5)^{(5+5)/5}) - 5 \\
&:= 6/6 + (((66 - 6/6) + 6)^{(6+6)/6}) - 6 \\
&:= (7 \times (777 - (7 \times 7 + 7))) - 77/7 \\
&:= 8 \times 8/(8 + 8) + (8 \times 8 \times (88 - 8) - 88) \\
&:= (((9999 - 9) + 9 \times 9) + 9/9)/((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5037 &:= (1 + (11 + 11)) \times (((1 + 1) \times (111 - 1)) - 1) \\
&:= (22 + 2/2) \times (222 - (2/2 + 2)) \\
&:= ((3 + 3)^3 + 3) \times (3^3 - 3/3 - 3) \\
&:= 4/4 + (((4 \times 4 + 4) \times (4^4 - 4)) - 4) \\
&:= 5 + (((5 - (5 + 5)/5) + 5) \times ((5^5 - 5)/5 + 5)) \\
&:= 66 \times (66 + 6 + 6) - 666/6 \\
&:= ((7 - 77)/7) + (7 \times (777 - (7 \times 7 + 7))) \\
&:= (8 \times (8 \times (88 - 8) - 8)) - (88/8 + 8) \\
&:= ((9/9 - 9) + 9 \times 9) \times (9 \times 9 - (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5038 &:= 1 + ((1 + (11 + 11)) \times (((1 + 1) \times (111 - 1)) - 1)) \\
&:= 22 \times (((22^2 - 22)/2) - 2) \\
&:= (((3 + 3)^3 - 3)/3)^{3-3/3} - 3 \\
&:= ((4 \times 4 + 4) \times (4^4 - 4)) - (4 + 4)/4 \\
&:= (5 + 5)/5 \times (5^5 - ((55 \times 55 + 5)/5)) \\
&:= ((6 + 6)/6) \times (((6 + 6) \times (6 \times 6 \times 6 - 6)) - 6/6) \\
&:= (7 \times (777 - (7 \times 7 + 7))) - ((7 + 7)/7 + 7) \\
&:= 88 \times (8 \times 8 - 8) + (888 - 8)/8 \\
&:= 9 + (((9/9 + 9) \times (((9 + 9)/9)^9 - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5039 &:= (((1 + 11)^{1+1}/(1 + 1)) - 1)^{1+1} - 1 - 1 \\
&:= ((2 \times (2 + 2 + 2)^2 - 2/2)^2) - 2 \\
&:= ((3^3 - 3) \times ((3 + 3)^3 - (3 + 3))) - 3/3 \\
&:= ((4 \times 4 + 4) \times (4^4 - 4)) - 4/4 \\
&:= (5 \times ((5 - 5/5)^5 - 5)) - (55 + 5/5) \\
&:= (6 \times ((6 + 6) \times (((6 + 6)/6)^6 + 6))) - 6/6 \\
&:= (7 \times (777 - (7 \times 7 + 7))) - (7/7 + 7) \\
&:= 888/8 + 88 \times (8 \times 8 - 8) \\
&:= 9 + ((9/9 + 9) \times (((9 + 9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5040 &:= (1 + 111) \times (1 + ((1 + 1) \times (11 + 11))) \\
&:= (2 - 22) \times ((2 - 2^{2 \times (2+2)}) + 2) \\
&:= (3^3 - 3) \times ((3 + 3)^3 - (3 + 3)) \\
&:= (4 \times 4 + 4) \times (4^4 - 4) \\
&:= (5 - 5/5 + 5) \times (555 + 5) \\
&:= 6 \times ((6 + 6) \times (((6 + 6)/6)^6 + 6)) \\
&:= (77 + 7) \times (77/7 + 7 \times 7) \\
&:= (88 - 8) \times (8 \times 8 - 8/8) \\
&:= (9 - 9/9) \times (9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5041 &:= (((1 + 11)^{1+1}/(1 + 1)) - 1)^{1+1} \\
&:= (2 \times (2 + 2 + 2)^2 - 2/2)^2 \\
&:= (((3 + 3)^3 - 3)/3)^{3-3/3} \\
&:= 4/4 + ((4 \times 4 + 4) \times (4^4 - 4)) \\
&:= ((55/5 + 55) + 5)^{(5+5)/5} \\
&:= ((66 - 6/6) + 6)^{(6+6)/6} \\
&:= ((7/7 - 7) + 77)^{(7+7)/7} \\
&:= ((8 \times 8 - 8/8) + 8)^{(8+8)/8} \\
&:= (9 \times 9 - (9/9 + 9))^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5042 &:= 1 + (((1 + 11)^{1+1}/(1 + 1)) - 1)^{1+1} \\
&:= 2 + ((2 - 22) \times ((2 - 2^{2 \times (2+2)}) + 2)) \\
&:= 3/3 + (((3 + 3)^3 - 3)/3)^{3-3/3} \\
&:= (4 + 4)/4 + ((4 \times 4 + 4) \times (4^4 - 4)) \\
&:= 5/5 + (((55/5 + 55) + 5)^{(5+5)/5}) \\
&:= 6/6 + (((66 - 6/6) + 6)^{(6+6)/6}) \\
&:= 7/7 + (((7/7 - 7) + 77)^{(7+7)/7}) \\
&:= 8/8 + (((8 \times 8 - 8/8) + 8)^{(8+8)/8}) \\
&:= 9/9 + ((9 \times 9 - (9/9 + 9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5043 &:= ((1 + (1 + 11^{1+1}))^{1+1}) / (1 + 1 + 1) \\
&:= 2 + ((2 \times (2 + 2 + 2)^2 - 2/2)^2) \\
&:= 3 + ((3^3 - 3) \times ((3 + 3)^3 - (3 + 3))) \\
&:= 4 + (((4 \times 4 + 4) \times (4^4 - 4)) - 4/4) \\
&:= 5^5 + (((5 + 5)/5 + 5) \times (5 \times 55 - 5/5)) \\
&:= 6 + (66 \times (66 + 6 + 6) - 666/6) \\
&:= 7 + ((7 \times (777 - (7 \times 7 + 7))) - (77/7)) \\
&:= 88/8 + (8 \times 8 \times (88 - 8) - 88) \\
&:= (9 + 9)/9 + ((9 \times 9 - (9/9 + 9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5044 &:= 1 + (((1 + (1 + 11^{1+1}))^{1+1}) / (1 + 1 + 1)) \\
&:= 2 \times ((2 \times (22 + 2) + 2)^2 + 22) \\
&:= 3 + (((3 + 3)^3 - 3)/3)^{3-3/3} \\
&:= 4 + ((4 \times 4 + 4) \times (4^4 - 4)) \\
&:= (5 - 5/5) \times (((55 + 5^5) + 5^5)/5) \\
&:= (6 - ((6 + 6)/6)) \times ((6 \times (6 \times 6 \times 6 - 6)) + 6/6) \\
&:= (7 - 7/7 + 7) \times ((7 \times 777 - 7) / (7 + 7)) \\
&:= (8 \times (8 \times (88 - 8) - 8)) - (88 + 8)/8 \\
&:= 9 + (((9 - (9 + 9)/9) \times (9 \times 9 \times 9 - (99/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5045 &:= ((111111/11) - 11) / (1 + 1) \\
&:= 2 + (((2 \times (2 + 2 + 2)^2 - 2/2)^2) + 2) \\
&:= 3 + (((((3 + 3)^3 - 3)/3)^{3-3/3}) + 3/3) \\
&:= 4 + (((4 \times 4 + 4) \times (4^4 - 4)) + 4/4) \\
&:= 5 \times ((5 - 5/5)^5 - (5 + 5 + 5)) \\
&:= 6 + ((6 \times ((6 + 6) \times (((6 + 6)/6)^6 + 6))) - 6/6) \\
&:= (7 \times (777 - (7 \times 7 + 7))) - (7 + 7)/7 \\
&:= (8 \times (8 \times (88 - 8) - 8)) - 88/8 \\
&:= ((9 \times 9 + 9) / (9 + 9)) \times ((999 + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5046 &:= 1 + (((111111/11) - 11) / (1 + 1)) \\
&:= 2 + (2 \times ((2 \times (22 + 2) + 2)^2 + 22)) \\
&:= (3 \times (33 \times ((3^3 - 3) + 3^3))) - 3 \\
&:= 4 + (((4 \times 4 + 4) \times (4^4 - 4)) + (4 + 4)/4) \\
&:= 5 + (((55/5 + 55) + 5)^{(5+5)/5}) \\
&:= 6 + (6 \times ((6 + 6) \times (((6 + 6)/6)^6 + 6))) \\
&:= (7 \times (777 - (7 \times 7 + 7))) - 7/7 \\
&:= (8 - 88)/8 + (8 \times (8 \times (88 - 8) - 8)) \\
&:= 9 + (((9/9 - 9) + 9 \times 9) \times (9 \times 9 - (99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5047 &:= 1 + (1 + (((111111/11) - 11) / (1 + 1))) \\
&:= 2 + (((2 \times (2 + 2 + 2)^2 - 2/2)^2) + 2) + 2) \\
&:= 3 + (((((3 + 3)^3 - 3)/3)^{3-3/3}) + 3) \\
&:= 4 + (((4 \times 4 + 4) \times (4^4 - 4)) - 4/4) + 4) \\
&:= 55 + ((55/5 + 5) \times (5^5 - 5) / (5 + 5)) \\
&:= 6 + (((66 - 6/6) + 6)^{(6+6)/6}) \\
&:= 7 \times (777 - (7 \times 7 + 7)) \\
&:= (8 \times (8 \times (88 - 8) - 8)) - (8/8 + 8) \\
&:= (9 - (9 + 9)/9) \times ((9 \times 9 \times 9 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5048 &:= (1 + 1)^{11} + ((1 + 1 + 1) \times (11 - 1)^{1+1+1}) \\
&:= 2 \times (((2 \times (22 + 2) + 2)^2 + 22) + 2) \\
&:= (3 \times (33 \times ((3^3 - 3) + 3^3))) - 3/3 \\
&:= 4 + (((4 \times 4 + 4) \times (4^4 - 4)) + 4) \\
&:= ((5 - (5 + 5)/5) + 5) \times ((5^5 + 5)/5 + 5) \\
&:= 6 + (((66 - 6/6) + 6)^{(6+6)/6}) + 6/6) \\
&:= 7 + (((7/7 - 7) + 77)^{(7+7)/7}) \\
&:= (8 \times (8 \times (88 - 8) - 8)) - 8 \\
&:= 9 + (((9/9 + 9) \times (((9 + 9)/9)^9 - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5049 &:= 11 \times (11 + ((1 + 1) \times ((1 + 1) \times (1 + 11)))) \\
&:= (22/2)^2 + (22 \times (222 + 2)) \\
&:= 3 \times (33 \times ((3^3 - 3) + 3^3)) \\
&:= 4 + (((4 \times 4 + 4) \times (4^4 - 4)) + 4/4) + 4) \\
&:= 5^5 + ((55 \times ((5 \times 5 + 5) + 5)) - 5/5) \\
&:= 66 \times 66 + (((6 \times 6 / (6 + 6))^6) - 6 \times 6) \\
&:= (7 + 7)/7 + (7 \times (777 - (7 \times 7 + 7))) \\
&:= 8 + (((8 \times 8 - 8/8) + 8)^{(8+8)/8}) \\
&:= 9 + ((9 - 9/9) \times (9 \times 9 \times 9 - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5050 &:= ((111111/11) - 1) / (1 + 1) \\
&:= (2 \times (((2 \times (22 + 2))^2) + 222)) - 2 \\
&:= 3 \times 3 + (((3 + 3)^3 - 3)/3)^{3-3/3} \\
&:= (4/4 + 4) \times (4 \times (4^4 - 4) + (4 + 4)/4) \\
&:= 5^5 + (55 \times ((5 \times 5 + 5) + 5)) \\
&:= ((66 - 6)/6) \times ((6 + 6) \times (6 \times 6 + 6) + 6/6) \\
&:= (7/7 + 7 \times 7) \times (7777/77) \\
&:= (8 + 8)/8 + ((8 \times (8 \times (88 - 8) - 8)) - 8) \\
&:= 9 + ((9 \times 9 - (9/9 + 9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5051 &:= (1 + (111111/11)) / (1 + 1) \\
&:= 2 + ((22 \times (222 + 2)) + (22/2)^2) \\
&:= 3 + ((3 \times (33 \times ((3^3 - 3) + 3^3))) - 3/3) \\
&:= 44/4 + ((4 \times 4 + 4) \times (4^4 - 4)) \\
&:= 5^5 + ((55 \times ((5 \times 5 + 5) + 5)) + 5/5) \\
&:= 6 \times 66 + ((6/6 + 6) \times (666 - 6/6)) \\
&:= 77/7 + ((77 + 7) \times (77/7 + 7 \times 7)) \\
&:= 88/8 + ((88 - 8) \times (8 \times 8 - 8/8)) \\
&:= 9 + (((9 \times 9 - (9/9 + 9))^{(9+9)/9}) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5052 &:= 1 + ((1 + (111111/11)) / (1 + 1)) \\
&:= 2 \times (((2 \times (22 + 2))^2) + 222) \\
&:= 3 + (3 \times (33 \times ((3^3 - 3) + 3^3))) \\
&:= (4 \times (4 \times (4^4 - 4) + 4^4)) - 4 \\
&:= 5^5 + ((55 \times ((5 \times 5 + 5) + 5)) + ((5 + 5)/5)) \\
&:= (6 + 6) \times ((6 \times (66 + 6)) - (66/6)) \\
&:= 7 + ((7 \times (777 - (7 \times 7 + 7))) - ((7 + 7)/7)) \\
&:= (8 \times (8 \times (88 - 8) - 8)) - 8 \times 8 / (8 + 8) \\
&:= 99/9 + ((9 \times 9 - (9/9 + 9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5053 &:= 1 + (1 + ((1 + (111111/11)) / (1 + 1))) \\
&:= ((22/2 + 2)^2) + 22 \times 222 \\
&:= 3 + ((3 \times (33 \times ((3^3 - 3) + 3^3))) + 3/3) \\
&:= 4/4 + ((4 \times (4 \times (4^4 - 4) + 4^4)) - 4) \\
&:= 5 + (((5 - (5 + 5)/5) + 5) \times ((5^5 + 5)/5 + 5)) \\
&:= 6 + (((66 - 6/6) + 6)^{(6+6)/6}) + 6) \\
&:= 7 + ((7 \times (777 - (7 \times 7 + 7))) - 7/7) \\
&:= 8 + ((8 \times (8 \times (88 - 8) - 8)) - (88/8)) \\
&:= (9 \times (9 + 9) + 9/9) \times (((99 + 99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5054 &:= 11 + (((1 + (1 + 11^{1+1}))^{1+1}) / (1 + 1 + 1)) \\
&:= 2 + (2 \times (((2 \times (22 + 2))^2) + 222)) \\
&:= (3/3 + 3 + 3) \times (3^{3+3} - (3/3 + 3 + 3)) \\
&:= 4^4 \times (4 \times 4 + 4) - ((4^4 + 4 + 4)/4) \\
&:= 5 \times (5 - 5/5)^5 - (55/5 + 55) \\
&:= (6/6 + 6) \times ((6 + 6) \times (66 - 6) + ((6 + 6)/6)) \\
&:= 7 + (7 \times (777 - (7 \times 7 + 7))) \\
&:= (8 \times (8 \times (88 - 8) - 8)) - (8 + 8)/8 \\
&:= (9 - (9 + 9)/9) \times (((9 + 9)/9 - 9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5055 &:= (1 + (1 + 1 + 1 + 1)) \times (11 + (11 - 1)^{1+1+1}) \\
&:= 2 + (((22/2 + 2)^2) + 22 \times 222) \\
&:= 3 + ((3 \times (33 \times ((3^3 - 3) + 3^3))) + 3) \\
&:= 4^4 \times (4 \times 4 + 4) - (4^4 + 4)/4 \\
&:= 5 + ((55 \times ((5 \times 5 + 5) + 5)) + 5^5) \\
&:= ((6/6 + 6) \times (((6 \times 6 / (6 + 6))^6) - 6)) - 6 \\
&:= 7 + (((7/7 - 7) + 77)^{(7+7)/7}) + 7) \\
&:= (8 \times (8 \times (88 - 8) - 8)) - 8/8 \\
&:= (999/9 + 9999) / ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5056 &:= (11 + (111111/11)) / (1 + 1) \\
&:= 2 \times (((2 \times (22 + 2))^2) + 222) + 2) \\
&:= ((3/3 + 3)^3) \times ((3 \times 3^3 - 3) + 3/3) \\
&:= 4 \times (4 \times (4^4 - 4) + 4^4) \\
&:= 55 + ((5/5 + 5)^5 - 5 \times 555) \\
&:= ((6 + 6)/6)^6 \times (66 + 6/6 + 6 + 6) \\
&:= 7 + ((7 \times (777 - (7 \times 7 + 7))) + ((7 + 7)/7)) \\
&:= 8 \times (8 \times (88 - 8) - 8) \\
&:= 9 + ((9 - (9 + 9)/9) \times ((9 \times 9 \times 9 - 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5057 &:= 1 + ((11 + (111111/11)) / (1 + 1)) \\
&:= 2^{2+2} + ((2 \times (2 + 2 + 2)^2 - 2/2)^2) \\
&:= (3 \times 3 + 3)^3 + (3333 - (3/3 + 3)) \\
&:= 4/4 + (4 \times (4 \times (4^4 - 4) + 4^4)) \\
&:= 55 + ((5 + 5)/5 \times (((5 - 5^5)/5) + 5^5)) \\
&:= (6/6 + 6 + 6) \times (6 \times 66 - (6/6 + 6)) \\
&:= 7 + ((7/7 + 7 \times 7) \times (7777/77)) \\
&:= 8/8 + (8 \times (8 \times (88 - 8) - 8)) \\
&:= 9 + (((9/9 + 9) \times (((9 + 9)/9)^9 - 9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5058 &:= (1+1) \times (((111-1) \times (1+(11+11)))) - 1 \\
&:= (22 \times (222+2 \times (2+2))) - 2 \\
&:= 3 \times ((33 \times ((3^3-3)+3^3)) + 3) \\
&:= 4^4 + ((4+4)/4 \times (((4-4/4)+4^4)) \\
&:= (5-5/5+5) \times ((555+(5+5)/5)+5) \\
&:= 6 \times 6 + (66 \times 66 + 666) \\
&:= 77/7 + (7 \times (777 - (7 \times 7 + 7))) \\
&:= (8+8)/8 + (8 \times (8 \times (88-8) - 8)) \\
&:= 9 + (((9-9/9) \times (9 \times 9 \times 9 - 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5059 &:= (1+1) \times ((111-1) \times (1+(11+11))) - 1 \\
&:= (22 \times (222+2 \times (2+2))) - 2/2 \\
&:= (3 \times (3 \times 3 + 3)^3) - (3-3/3+3)^3 \\
&:= (44 \times (444/4+4)) - 4/4 \\
&:= 5 \times (5-5/5)^5 - ((55+5/5)+5) \\
&:= 6 + (((((66-6/6)+6)^{(6+6)/6})+6)+6) \\
&:= (77+7)/7 + (7 \times (777 - (7 \times 7 + 7))) \\
&:= 88/8 + ((8 \times (8 \times (88-8) - 8)) - 8) \\
&:= 9 + (((9 \times 9 - (9/9+9))^{(9+9)/9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5060 &:= (1+1) \times ((111-1) \times (1+(11+11))) \\
&:= 22 \times (222+2 \times (2+2)) \\
&:= (3 \times 3 + 3)^3 + (3333-3/3) \\
&:= 44 \times (444/4+4) \\
&:= 5 \times (5-5/5)^5 - 55-5 \\
&:= 66/6 \times (((6+6)/6)^6 + 6 \times 66) \\
&:= 7 + (((7 \times (777 - (7 \times 7 + 7))) - 7/7) + 7) \\
&:= 8 \times 8/(8+8) + (8 \times (8 \times (88-8) - 8)) \\
&:= 99/9 \times (9 \times (99+9) - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5061 &:= 1 + ((1+1) \times ((111-1) \times (1+(11+11)))) \\
&:= (2/2-22) \times ((2-22^2)/2) \\
&:= (3 \times 3 + 3)^3 + 3333 \\
&:= 4/4 + (44 \times (444/4+4)) \\
&:= 5^5 + ((55 - (55/5))^{(5+5)/5}) \\
&:= (6/6+6) \times (((6 \times 6/(6+6))^6) - 6) \\
&:= 7 + ((7 \times (777 - (7 \times 7 + 7))) + 7) \\
&:= (8-8/8) \times ((88/8+8 \times 88) + 8) \\
&:= 9 + (((9 \times 9 - (9/9+9))^{(9+9)/9}) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5062 &:= (1+1) \times (1 + ((111-1) \times (1+(11+11)))) \\
&:= 2 + (22 \times (222+2 \times (2+2))) \\
&:= 3/3 + ((3 \times 3 + 3)^3 + 3333) \\
&:= (4+4)/4 + (44 \times (444/4+4)) \\
&:= (5+5)/5 + (5 \times (5-5/5)^5 - (55+5)) \\
&:= 6 + (((6+6)/6)^6 \times (66+6/6+6+6)) \\
&:= 7 + (((((7/7-7)+77)^{(7+7)/7})+7)+7) \\
&:= 8 + ((8 \times (8 \times (88-8) - 8)) - ((8+8)/8)) \\
&:= 9 \times (9+9) + ((9 \times 9 - 99/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5063 &:= 1 + ((1+1) \times (1 + ((111-1) \times (1+(11+11)))) \\
&:= 2 + ((2/2-22) \times ((2-22^2)/2)) \\
&:= 3 + ((3333-3/3) + (3 \times 3 + 3)^3) \\
&:= 4 + ((44 \times (444/4+4)) - 4/4) \\
&:= 5 \times (5-5/5)^5 - ((5+5)/5+55) \\
&:= 6 + ((6/6+6+6) \times (6 \times 66 - (6/6+6))) \\
&:= (77-7/7+7) \times ((77+7)/7+7 \times 7) \\
&:= 8 + ((8 \times (8 \times (88-8) - 8)) - 8/8) \\
&:= (((9+9)/9) + 9 \times 9) \times (9 \times 9 - (99/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5064 &:= (1+1) \times ((1+11) \times ((1+1) \times 111 - 11)) \\
&:= 2 \times (2^{22/2} + 22^2) \\
&:= 3 + ((3 \times 3 + 3)^3 + 3333) \\
&:= 4 + (44 \times (444/4+4)) \\
&:= 5 \times (5-5/5)^5 - (55+5/5) \\
&:= ((6/6+6+6) \times (6 \times 66 - 6)) - 6 \\
&:= (7-7/7) \times ((77 \times 77 - (7+7+7))/7) \\
&:= 8 + (8 \times (8 \times (88-8) - 8)) \\
&:= (99+9)/9 \times (((9+9)/9)^9 - 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5065 &:= (1 + (1 + 1 + 1 + 1)) \times ((1+1)^{11-1} - 11) \\
&:= 2/2 + (2 \times (2^{22/2} + 22^2)) \\
&:= 3 + (((3 \times 3 + 3)^3 + 3333) + 3/3) \\
&:= (4/4+4) \times (4 \times 4^4 - 44/4) \\
&:= 5 \times (5-5/5)^5 - 55 \\
&:= 6/6 + (((6/6+6+6) \times (6 \times 66 - 6)) - 6) \\
&:= 7 + ((7 \times (777 - (7 \times 7 + 7))) + (77/7)) \\
&:= 8 + ((8 \times (8 \times (88-8) - 8)) + 8/8) \\
&:= 9 + (((9 - (9+9)/9) \times ((9 \times 9 \times 9 - 9) + 9/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5066 &:= 1 + ((1 + (1 + 1 + 1 + 1)) \times ((1+1)^{11-1} - 11)) \\
&:= 2 + (2 \times (2^{22/2} + 22^2)) \\
&:= (3/3+33) \times (((33 \times 3^3) + 3)/(3+3)) \\
&:= 4 + ((44 \times (444/4+4)) + (4+4)/4) \\
&:= 5/5 + (5 \times (5-5/5)^5 - 55) \\
&:= 6 + ((66/6) \times (((6+6)/6)^6 + 6 \times 66)) \\
&:= (7 \times (7 \times (7 \times (7+7) + 7))) - ((7+7)/7+77) \\
&:= 8 + ((8 \times (8 \times (88-8) - 8)) + ((8+8)/8)) \\
&:= ((9-9/9) + 9) \times ((99 \times (9+9+9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5067 &:= (1+1+1) \times (((11-1) \times (1+1+11)^{1+1}) - 1) \\
&:= 2 + ((2 \times (2^{22/2} + 22^2)) + 2/2) \\
&:= 3 \times ((3 \times 3 + 3)^3 - (33+3+3)) \\
&:= 44/4 + (4 \times (4 \times (4^4 - 4) + 4^4)) \\
&:= (5+5)/5 + (5 \times (5-5/5)^5 - 55) \\
&:= 6 + ((6/6+6) \times (((6 \times 6/(6+6))^6) - 6)) \\
&:= (7 \times (7 \times (7 \times (7+7) + 7))) - 7/7 - 77 \\
&:= 88/8 + (8 \times (8 \times (88-8) - 8)) \\
&:= 9 \times (((99 \times 99+9)/(9+9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5068 &:= (1 + (1 + 1 + 11)) \times ((11 \times (11 \times (1 + 1 + 1))) - 1) \\
&:= 2 \times ((2^{22/2} + 22^2) + 2) \\
&:= 3^3 + (((3+3)^3 - 3)/3)^{3-3/3} \\
&:= 4 + ((44 \times (444/4+4)) + 4) \\
&:= (5 \times ((5-5/5)^5 - (5+5))) - (5+5)/5 \\
&:= (6/6+6) \times ((66 \times 66 - 6 - 6)/6) \\
&:= (7 \times (7 \times (7 \times (7+7) + 7))) - 77 \\
&:= ((88+8)/8) + (8 \times (8 \times (88-8) - 8)) \\
&:= 9 + (((9 \times 9 - (9/9+9))^{(9+9)/9}) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5069 &:= (11111 + ((1+1)^{1+11}))/((1+1+1)) \\
&:= 2/2 + (2 \times ((2^{22/2} + 22^2) + 2)) \\
&:= (3 \times (3+3))^3 - ((3^3+3)/3) + 33) \\
&:= 4444 + (4/4+4)^4 \\
&:= 5^5 + ((5/5+5)^5/(5-5/5)) \\
&:= ((6/6+6+6) \times (6 \times 66 - 6)) - 6/6 \\
&:= 7/7 + ((7 \times (7 \times (7 \times (7+7) + 7))) - 77) \\
&:= 8 + ((8-8/8) \times ((88/8+8 \times 88) + 8)) \\
&:= 9 + ((99/9) \times (9 \times (99+9) - ((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5070 &:= (11-1) \times ((1+1+1) \times (1+1+11)^{1+1}) \\
&:= 2 + (2 \times ((2^{22/2} + 22^2) + 2)) \\
&:= (3^3 - 3/3) \times (33 \times (3+3) - 3) \\
&:= 4/4 + (4444 + (4/4+4)^4) \\
&:= 5 \times ((5-5/5)^5 - (5+5)) \\
&:= (6/6+6+6) \times (6 \times 66 - 6) \\
&:= (7-7/7) \times ((77 \times 77 - (7+7))/7) \\
&:= (8/8+8 \times 8) \times ((8-88)/8+88) \\
&:= (9/9+9) \times (((9-99)/(9+9)) + ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5071 &:= 11 \times (((1+1) \times (11 \times (11 + (11-1)))) - 1) \\
&:= 22/2 \times (22^2 - (22+2/2)) \\
&:= 3 + (((((3+3)^3 - 3)/3)^{3-3/3}) + 3^3) \\
&:= 44/4 + (44 \times (444/4+4)) \\
&:= 5/5 + (5 \times ((5-5/5)^5 - (5+5))) \\
&:= 6/6 + ((6/6+6+6) \times (6 \times 66 - 6)) \\
&:= 77/7 \times (7 \times 77 - (7/7+77)) \\
&:= 8 + (((8 \times (8 \times (88-8) - 8)) - 8/8) + 8) \\
&:= 9 + (((9 \times 9 - 99/9)^{(9+9)/9}) + 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5072 &:= 1 + (11 \times (((1+1) \times (11 \times (11 + (11-1)))) - 1)) \\
&:= 2 \times (((2^{22/2} + 22^2) + 2) + 2) \\
&:= (3 \times (3 \times 3 + 3)^3) - ((333+3)/3) \\
&:= 4 \times ((4 \times (4^4 - 4) + 4^4) + 4) \\
&:= (5+5)/5 + (5 \times ((5-5/5)^5 - (5+5))) \\
&:= (6+6)/6 + ((6/6+6+6) \times (6 \times 66 - 6)) \\
&:= ((7-77)/7) + (77 \times (77-77/7)) \\
&:= 8 + ((8 \times (8 \times (88-8) - 8)) + 8) \\
&:= (9 \times 9 - 9)^{(9+9)/9} - ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5073 &:= (1+1)^{11} + ((111-1)/(1+1))^{1+1} \\
&:= (2 \times (2+2+2)^2)^2 - 222/2 \\
&:= (3 \times (3 \times 3+3)^3) - 333/3 \\
&:= 4 + (4444 + (4/4+4)^4) \\
&:= 55 \times 55 + (((5+5)/5)^{55/5}) \\
&:= (6 \times (6 \times (6+6) \times (6+6))) - 666/6 \\
&:= ((7/7+7 \times 7) + 7) \times ((77+7)/7+77) \\
&:= (8/8+88) \times ((8/8-8) + 8 \times 8) \\
&:= (9 \times 9-9)^{(9+9)/9} - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5074 &:= 1 + (1+1)^{11} + ((111-1)/(1+1))^{1+1} \\
&:= 2 + (2 \times (((2^{22/2} + 22^2) + 2) + 2)) \\
&:= 33 + (((3+3)^3 - 3)/3)^{3-3/3} \\
&:= 4^4 \times (4 \times 4+4) - ((4+4)/4+44) \\
&:= 5 + (((5/5+5)^5/(5-5/5)) + 5^5) \\
&:= 6 + ((6/6+6) \times ((66 \times 66 - 6 - 6)/6)) \\
&:= ((7/7-7) + 7 \times 7) \times (777/7+7) \\
&:= 8 + (((8 \times (8 \times (88-8) - 8)) + ((8+8)/8)) + 8) \\
&:= ((9-999)/9) + (9 \times 9-9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5075 &:= (1 + (1+11)^{1+1}) \times (1 + (1+11 \times (1+1+1))) \\
&:= 2 + ((2 \times (2+2+2)^2)^2 - 222/2) \\
&:= (3+3) \times 3^3 + (33/3+3+3)^3 \\
&:= 4^4 \times (4 \times 4+4) - (44+4/4) \\
&:= 5 + (5 \times ((5-5/5)^5 - (5+5))) \\
&:= (6/6+6) \times ((66 \times 66 - 6)/6) \\
&:= (77 \times (77-77/7)) - 7 \\
&:= 8 + ((8 \times (8 \times (88-8) - 8)) + (88/8)) \\
&:= 9 \times (9+9) + (((9-9/9) + 9)^{(9+9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5076 &:= (1+11) \times (1 + ((1+1) \times ((1+1) \times 111 - 11))) \\
&:= ((22-2) \times 2^{2 \times (2+2)}) - (2 \times 22) \\
&:= 3 \times ((3 \times 3+3)^3 - (33+3)) \\
&:= 4^4 \times (4 \times 4+4) - 44 \\
&:= 5 + ((5 \times ((5-5/5)^5 - (5+5))) + 5/5) \\
&:= 6 \times (6 \times (6 \times 6 - 6) + 666) \\
&:= (7-7/7) \times ((77 \times 77 - 7)/7) \\
&:= 8 \times 8 \times (88-8) - (88/((8+8)/8)) \\
&:= 9 \times ((9999-9)/(9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5077 &:= 1 + ((1+11) \times (1 + ((1+1) \times ((1+1) \times 111 - 11)))) \\
&:= ((2-22) \times (2-2^{2 \times (2+2)})) - 2/2 - 2 \\
&:= 3/3 + (3 \times ((3 \times 3+3)^3 - (33+3))) \\
&:= 4/4 + (4^4 \times (4 \times 4+4) - 44) \\
&:= 5 + ((5 \times ((5-5/5)^5 - (5+5))) + ((5+5)/5)) \\
&:= 6 \times 6 + (((66-6/6) + 6)^{(6+6)/6}) \\
&:= 7 + ((7-7/7) \times ((77 \times 77 - (7+7))/7)) \\
&:= 8 \times 8 \times 88 + ((8-8888)/(8+8)) \\
&:= 9/9 + (9 \times ((9999-9)/(9+9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5078 &:= (1+1) \times ((11 \times (11 \times (11 + (11-1)))) - (1+1)) \\
&:= ((2-22) \times (2-2^{2 \times (2+2)})) - 2 \\
&:= 3 + ((33/3+3+3)^3 + (3+3) \times 3^3) \\
&:= (4+4)/4 + (4^4 \times (4 \times 4+4) - 44) \\
&:= 5 + (((5+5)/5)^{55/5} + 55 \times 55) \\
&:= (6+6)/6 + (6 \times (6 \times (6 \times 6 - 6) + 666)) \\
&:= (7 \times (777-7 \times 7)) - (77/7+7) \\
&:= 8 + ((8/8+8 \times 8) \times ((8-88)/8+88)) \\
&:= ((9-(9+9)/9) \times (9 \times 9 \times 9 - 9/9)) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5079 &:= (1+1+1) \times ((11 \times (11 \times (1 + (1+1+11)))) - 1) \\
&:= ((2-22) \times (2-2^{2 \times (2+2)})) - 2/2 \\
&:= 3 + (3 \times ((3 \times 3+3)^3 - (33+3))) \\
&:= 4 + 4^4 \times (4 \times 4+4) - (44+4/4) \\
&:= (5 \times ((5-5/5)^5 - 5)) - (55/5+5) \\
&:= 66 \times 66 + (((6 \times 6/(6+6))^6) - 6) \\
&:= 77/7 + ((7 \times (7 \times (7 \times (7+7) + 7))) - 77) \\
&:= 8 + (((8 \times (8 \times (88-8) - 8)) - 8/8) + 8) + 8) \\
&:= ((9-9/9) \times (9 \times (9 \times 9 - 9) - (99+9)/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5080 &:= (1+1) \times ((11 \times (11 \times (11 + (11-1)))) - 1) \\
&:= (2-22) \times (2-2^{2 \times (2+2)}) \\
&:= 3 + ((3 \times ((3 \times 3+3)^3 - (33+3))) + 3/3) \\
&:= 4 + (4^4 \times (4 \times 4+4) - 44) \\
&:= 5 + ((5 \times ((5-5/5)^5 - (5+5))) + 5) \\
&:= (66 \times (66/6+66)) - (6+6)/6 \\
&:= (77 \times (77-77/7)) - (7+7)/7 \\
&:= 8 + (((8 \times (8 \times (88-8) - 8)) + 8) + 8) \\
&:= 9 \times 9 + ((9999-9/9)/((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5081 &:= ((1+1) \times (11 \times (11 \times (11 + (11-1)))) - 1) \\
&:= ((22 \times (22^2 - 22)) - 2)/2 \\
&:= (3 \times ((3 \times 3+3)^3 - 33)) - (3/3+3) \\
&:= 4 + ((4^4 \times (4 \times 4+4) - 44) + 4/4) \\
&:= 55/5 + (5 \times ((5-5/5)^5 - (5+5))) \\
&:= (66 \times (66/6+66)) - 6/6 \\
&:= (77 \times (77-77/7)) - 7/7 \\
&:= 8 + ((8/8+88) \times ((8/8-8) + 8 \times 8)) \\
&:= 9 \times 9 + ((9999+9/9)/((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5082 &:= (1+1) \times (11 \times (11 \times (11 + (11-1)))) \\
&:= 22 \times ((22^2 - 22)/2) \\
&:= (3/3+3+3) \times (3^{3+3} - 3) \\
&:= ((4^4 + 4+4)/4) \times ((4-4/4)^4 - 4) \\
&:= ((55+5)/5) + (5 \times ((5-5/5)^5 - (5+5))) \\
&:= 66 \times (66/6+66) \\
&:= 77 \times (77-77/7) \\
&:= (((8+8)/8) + 8 \times 8) \times (88-88/8) \\
&:= 9 + ((9 \times 9-9)^{(9+9)/9} - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5083 &:= (1 + (11+11)) \times ((1+1) \times 111 - 1) \\
&:= (22+2/2) \times (222-2/2) \\
&:= 3/3 + ((3/3+3+3) \times (3^{3+3} - 3)) \\
&:= 44 + (((4 \times 4+4) \times (4^4 - 4)) - 4/4) \\
&:= 5 \times (5-5/5)^5 - (((5+5)/5)^5 + 5) \\
&:= 6/6 + (66 \times (66/6+66)) \\
&:= 7/7 + (77 \times (77-77/7)) \\
&:= 8 + (((8 \times (8 \times (88-8) - 8)) + (88/8)) + 8) \\
&:= (9 \times (9 \times (9 \times 9 - (9+9)))) - (99/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5084 &:= 1 + ((1 + (11+11)) \times ((1+1) \times 111 - 1)) \\
&:= 2 + (22 \times ((22^2 - 22)/2)) \\
&:= (3 \times ((3 \times 3+3)^3 - 33)) - 3/3 \\
&:= 44 + ((4 \times 4+4) \times (4^4 - 4)) \\
&:= (5 \times ((5-5/5)^5 - 5)) - 55/5 \\
&:= (6+6)/6 + (66 \times (66/6+66)) \\
&:= (7+7)/7 + (77 \times (77-77/7)) \\
&:= 8 + (8 \times 8 \times (88-8) - (88/((8+8)/8))) \\
&:= (9/9+9 \times 9) \times (9 \times 9 - (9/9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5085 &:= (1+1+111) \times (1 + ((1+1) \times (11+11))) \\
&:= 2 + ((22+2/2) \times (222-2/2)) \\
&:= 3 \times ((3 \times 3+3)^3 - 33) \\
&:= 4 \times 4 + (4444 + (4/4+4)^4) \\
&:= (5 \times ((5-5/5)^5 - 5)) - 5-5 \\
&:= 66 \times 66 + ((6 \times 6/(6+6))^6) \\
&:= (7 \times (777-7 \times 7)) - 77/7 \\
&:= (8/8+8) \times (8 \times (8 \times 8+8) - 88/8) \\
&:= (9 \times 9-9)^{(9+9)/9} - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5086 &:= 1 + ((1+1+111) \times (1 + ((1+1) \times (11+11)))) \\
&:= 2 + ((22 \times ((22^2 - 22)/2)) + 2) \\
&:= 3/3 + (3 \times ((3 \times 3+3)^3 - 33)) \\
&:= 4 + (((4^4 + 4+4)/4) \times ((4-4/4)^4 - 4)) \\
&:= 5/5 + ((5 \times ((5-5/5)^5 - 5)) - (5+5)) \\
&:= 6 + ((66 \times (66/6+66)) - ((6+6)/6)) \\
&:= ((7-77)/7) + (7 \times (777-7 \times 7)) \\
&:= ((88+8) \times (8 \times 8 - 88/8)) - (8+8)/8 \\
&:= 9/9 + ((9 \times 9-9)^{(9+9)/9} - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5087 &:= (1 + ((11 \times 1111) - (1+1)^{11}))/ (1+1) \\
&:= 2 + (((22+2/2) \times (222-2/2)) + 2) \\
&:= 3 + ((3 \times ((3 \times 3+3)^3 - 33)) - 3/3) \\
&:= 44/4 + (4^4 \times (4 \times 4+4) - 44) \\
&:= (5+5)/5 + ((5 \times ((5-5/5)^5 - 5)) - (5+5)) \\
&:= 6 + ((66 \times (66/6+66)) - 6/6) \\
&:= (7 \times (777-7 \times 7)) - ((7+7)/7+7) \\
&:= ((88+8) \times (8 \times 8 - 88/8)) - 8/8 \\
&:= ((9-(9+9)/9) \times (9 \times 9 \times 9 - 9/9)) - 9
\end{aligned}$$

- 5088 := $(1+1) \times ((1+11) \times (1 + ((1+1) \times 111 - 11)))$
:= $2 \times ((2 \times (22+2) + 2)^2 + 2 \times 22)$
:= $3 + (3 \times ((3 \times 3 + 3)^3 - 33))$
:= $4 \times ((4 \times 4^4 - (4+4)) + 4^4)$
:= $5 \times (5 - 5/5)^5 - ((5+5)/5)^5$
:= $6 + (66 \times (66/6 + 66))$
:= $(7 - 7/7) \times ((77 \times 77 + 7)/7)$
:= $(88 + 8) \times (8 \times 8 - 88/8)$
:= $(9 - 9/9) \times (9 \times (9 \times 9 - 9) - (99 + 9)/9)$
- 5089 := $((11 - 1) \times ((1 + 1)^{11-1-1} - (1 + 1))) - 11$
:= $2 + (((22 + 2/2) \times (222 - 2/2)) + 2) + 2$
:= $3 + ((3 \times ((3 \times 3 + 3)^3 - 33)) + 3/3)$
:= $4/4 + ((4 \times (4^4 - 4 - 4)) + (4 + 4)^4)$
:= $(5 \times ((5 - 5/5)^5 - 5)) - (5/5 + 5)$
:= $(6/6 + 6) \times ((66 \times 66 + 6)/6)$
:= $(7 \times (777 - 7 \times 7)) - 7$
:= $8/8 + ((88 + 8) \times (8 \times 8 - 88/8))$
:= $(9 - (9 + 9)/9) \times (9 \times 9 \times 9 - (9 + 9)/9)$
- 5090 := $(11 - 1) \times ((1 + 1)^{11-1-1} - (1 + 1 + 1))$
:= $22^2 + 2 \times ((2 \times (22 + 2))^2) - 2$
:= $(3 \times 3 + 3/3) \times (((3 - 3/3)^{3 \times 3}) - 3)$
:= $(4/4 + 4) \times (4 \times 4^4 - ((4 + 4)/4 + 4))$
:= $(5 \times ((5 - 5/5)^5 - 5)) - 5$
:= $6 + ((66 \times (66/6 + 66)) + ((6 + 6)/6))$
:= $7/7 + ((7 \times (777 - 7 \times 7)) - 7)$
:= $8 + (((8 + 8)/8) + 8 \times 8) \times (88 - 88/8)$
:= $(9/9 + 9) \times (((9 \times 999 + 9)/(9 + 9)) + 9)$
- 5091 := $1 + ((11 - 1) \times ((1 + 1)^{11-1-1} - (1 + 1 + 1)))$
:= $22/2 + ((2 - 22) \times (2 - 2^{2 \times (2+2)}))$
:= $3 + ((3 \times ((3 \times 3 + 3)^3 - 33)) + 3)$
:= $((4/4 + 4) \times (4 \times 4^4 - (4/4 + 4))) - 4$
:= $5/5 + ((5 \times ((5 - 5/5)^5 - 5)) - 5)$
:= $6 + (((6 \times 6/(6 + 6))^6) + 66 \times 66)$
:= $(7 + 7)/7 + ((7 \times (777 - 7 \times 7)) - 7)$
:= $8 + (((8 \times (8 \times (88 - 8) - 8)) + (88/8)) + 8) + 8$
:= $(9 \times (9 \times (9 \times 9 - (9 + 9)))) - (99 + 9)/9$
- 5092 := $(11 \times (((11 + 11)^{1+1}) - 11)) - 111$
:= $22^2 + (2 \times ((2 \times (22 + 2))^2))$
:= $3 \times 333 + ((3/3 + 3)^{3+3} - 3)$
:= $4 + ((4 \times (4^4 - 4 - 4)) + (4 + 4)^4)$
:= $(5 + 5)/5 + ((5 \times ((5 - 5/5)^5 - 5)) - 5)$
:= $(66 + 6/6) \times (((6 + 6)/6)^6 + 6) + 6$
:= $7 + ((7 \times (777 - 7 \times 7)) - (77/7))$
:= $8 \times 8 \times (88 - 8) + ((8 - 8 \times 8)/(8 + 8)/8)$
:= $(9 \times (9 \times (9 \times 9 - (9 + 9)))) - 99/9$
- 5093 := $11 \times (1 + ((1 + 1) \times (11 \times (11 + (11 - 1))))))$
:= $22/2 \times ((22^2 - 22) + 2/2)$
:= $(3 \times (((3 \times 3 + 3)^3 - 33) + 3)) - 3/3$
:= $(4 + 4)^4 + (4 \times (4^4 - 4) - 44/4)$
:= $(5 \times ((5 - 5/5)^5 - 5)) - (5 + 5)/5$
:= $66/6 + (66 \times (66/6 + 66))$
:= $77/7 + (77 \times (77 - 77/7))$
:= $8 \times 8 \times (88 - 8) - (88/8 + 8 + 8)$
:= $(9 \times (9 \times (9 \times 9 - (9 + 9)))) - 9/9 - 9$
- 5094 := $1 + (11 \times (1 + ((1 + 1) \times (11 \times (11 + (11 - 1))))))$
:= $2 + ((2 \times ((2 \times (22 + 2))^2)) + 22^2)$
:= $3 \times (((3 \times 3 + 3)^3 - 33) + 3)$
:= $4 + ((4/4 + 4) \times (4 \times 4^4 - ((4 + 4)/4 + 4)))$
:= $(5 \times ((5 - 5/5)^5 - 5)) - 5/5$
:= $6 + ((66 \times (66/6 + 66)) + 6)$
:= $(7 \times (777 - 7 \times 7)) - (7 + 7)/7$
:= $(8/8 + 8) \times ((8 - 88)/8 + 8 \times (8 \times 8 + 8))$
:= $(9 \times (9 \times (9 \times 9 - (9 + 9)))) - 9$
- 5095 := $((1 + 1)^{1+1+1}) + (111 \times (11 - 1 - 1))$
:= $(222 \times (22 + 2/2)) - 22/2$
:= $3 \times 333 + (3/3 + 3)^{3+3}$
:= $(4/4 + 4) \times (4 \times 4^4 - (4/4 + 4))$
:= $5 \times ((5 - 5/5)^5 - 5)$
:= $6 + ((6/6 + 6) \times ((66 \times 66 + 6)/6))$
:= $(7 \times (777 - 7 \times 7)) - 7/7$
:= $8 \times 8 \times (88 - 8) - (8/8 + 8 + 8 + 8)$
:= $9/9 + ((9 \times (9 \times (9 \times 9 - (9 + 9)))) - 9)$
- 5096 := $((1 + 1)^{1+1+1}) + (11 - 1)^{1+1+1}$
:= $2 \times (2 \times ((2 + 2 + 2)^{2+2} - 22))$
:= $(3/3 + 3 + 3) \times (3^{3+3} - 3/3)$
:= $((4/4 + 4) \times (4 \times 4^4 - 4)) - 4$
:= $5/5 + (5 \times ((5 - 5/5)^5 - 5))$
:= $(6/6 + 6) \times (((6 \times 6/(6 + 6))^6) - 6/6)$
:= $7 \times (777 - 7 \times 7)$
:= $8 \times 8 \times (88 - 8) - 8 - 8 - 8$
:= $(9 - (9 + 9)/9) \times (9 \times 9 \times 9 - 9/9)$
- 5097 := $1 + (((1 + 1)^{1+1+1}) + (11 - 1)^{1+1+1})$
:= $2 + ((222 \times (22 + 2/2)) - 22/2)$
:= $3 + (3 \times (((3 \times 3 + 3)^3 - 33) + 3))$
:= $4/4 + (((4/4 + 4) \times (4 \times 4^4 - 4)) - 4)$
:= $(5 + 5)/5 + (5 \times ((5 - 5/5)^5 - 5))$
:= $((6/6 + 6) \times (((6 \times 6/(6 + 6))^6) - 6)$
:= $7/7 + (7 \times (777 - 7 \times 7))$
:= $8/8 + (8 \times 8 \times (88 - 8) - (8 + 8 + 8))$
:= $9/9 + ((9 - (9 + 9)/9) \times (9 \times 9 \times 9 - 9/9))$
- 5098 := $1 + (1 + (((1 + 1)^{1+1+1}) + (11 - 1)^{1+1+1}))$
:= $((22 - 2) \times 2^{2 \times (2+2)}) - 22$
:= $3 + ((3/3 + 3)^{3+3} + 3 \times 333)$
:= $4^4 \times (4 \times 4 + 4) - (44/(4 + 4)/4)$
:= $5 + ((5 \times ((5 - 5/5)^5 - 5)) - ((5 + 5)/5))$
:= $6 + ((66 + 6/6) \times (((6 + 6)/6)^6 + 6) + 6)$
:= $(7 + 7)/7 + (7 \times (777 - 7 \times 7))$
:= $8 \times 8 \times (88 - 8) - (88 + 88)/8$
:= $9 + ((9 - (9 + 9)/9) \times (9 \times 9 \times 9 - ((9 + 9)/9)))$
- 5099 := $((11 - 1) \times ((1 + 1)^{11-1-1} - 1)) - 11$
:= $2/2 + (((22 - 2) \times 2^{2 \times (2+2)}) - 22)$
:= $3 + ((3/3 + 3 + 3) \times (3^{3+3} - 3/3))$
:= $((4/4 + 4) \times (4 \times 4^4 - 4)) - 4/4$
:= $5 + ((5 \times ((5 - 5/5)^5 - 5)) - 5/5)$
:= $6 + ((66 \times (66/6 + 66)) + (66/6))$
:= $(7 + 7 + 7)/7 + (7 \times (777 - 7 \times 7))$
:= $88/8 + ((88 + 8) \times (8 \times 8 - 88/8))$
:= $99 + ((9999 + 9/9)/(9 + 9)/9)$
- 5100 := $(11 - 1) \times ((1 + 1)^{11-1-1} - (1 + 1))$
:= $(2 - 22) \times (2/2 - 2^{2 \times (2+2)})$
:= $(3 \times (3 + 3))^3 - (3^{3+3} + 3)$
:= $(4/4 + 4) \times (4 \times 4^4 - 4)$
:= $5 + (5 \times ((5 - 5/5)^5 - 5))$
:= $(6 + 6) \times ((6 \times (66 + 6)) - (6/6 + 6))$
:= $77/7 + ((7 \times (777 - 7 \times 7)) - 7)$
:= $((8 + 8)/8) \times (8 \times 8 \times 8 - ((8 + 8)/8))$
:= $(9/9 + 9) \times (((9 + 9)/9)^9) - (9 + 9)/9)$
- 5101 := $(1 + ((1 + (11 - 1)^{1+1})^{1+1}))/ (1 + 1)$
:= $((22^{2/2+2} - 2)/2) - 222$
:= $3/3 + ((3 \times (3 + 3))^3 - (3^{3+3} + 3))$
:= $4/4 + ((4/4 + 4) \times (4 \times 4^4 - 4))$
:= $5 + ((5 \times ((5 - 5/5)^5 - 5)) + 5/5)$
:= $6 \times 666 + ((6666/6) - 6)$
:= $7 + ((7 \times (777 - 7 \times 7)) - ((7 + 7)/7))$
:= $8 \times 8 \times (88 - 8) - (88/8 + 8)$
:= $(9 \times (9 \times (9 \times 9 - (9 + 9)))) - (9 + 9)/9$
- 5102 := $1 + ((1 + ((1 + (11 - 1)^{1+1})^{1+1}))/ (1 + 1))$
:= $(22 \times 22^2/2) - 222$
:= $(3 \times (3 + 3))^3 - (3^{3+3} + 3/3)$
:= $(4 + 4)^4 + (4 \times (4^4 - 4) - (4 + 4)/4)$
:= $5 + ((5 \times ((5 - 5/5)^5 - 5)) + ((5 + 5)/5))$
:= $((6/6 + 6) \times ((6 \times 6/(6 + 6))^6) - 6/6)$
:= $7 + ((7 \times (777 - 7 \times 7)) - 7/7)$
:= $(8 - 88)/8 + (8 \times 8 \times (88 - 8) - 8)$
:= $(9 \times (9 \times (9 \times 9 - (9 + 9)))) - 9/9$

$$\begin{aligned}
\blacktriangleright 5103 &:= (11 + (11 - 1)) \times (1 + ((1 + 1) \times 11^{1+1})) \\
&:= (22 - 2/2) \times (22^2 + 2)/2 \\
&:= 3 \times ((3 \times 3 + 3)^3 - 3^3) \\
&:= ((4^4 - 4)/4) \times (4 - 4/4)^4 \\
&:= ((55/5 + 5) + 5) \times ((5 - (5 + 5)/5)^5) \\
&:= (6/6 + 6) \times ((6 \times 6/(6 + 6))^6) \\
&:= 7 + (7 \times (777 - 7 \times 7)) \\
&:= (8/8 - 8 \times 8) \times (8 - (8/8 + 88)) \\
&:= 9 \times (9 \times (9 \times 9 - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5104 &:= (1 + 1) \times (11 \times (111 + 11^{1+1})) \\
&:= (222 \times (22 + 2/2)) - 2 \\
&:= 3/3 + (3 \times ((3 \times 3 + 3)^3 - 3^3)) \\
&:= 4 \times ((4 \times 4^4 - 4) + 4^4) \\
&:= 5 \times (5 - 5/5)^5 - (55/5 + 5) \\
&:= 6/6 + ((6/6 + 6) \times ((6 \times 6/(6 + 6))^6)) \\
&:= 7 + ((7 \times (777 - 7 \times 7)) + 7/7) \\
&:= 8 \times 8 \times (88 - 8) - 8 - 8 \\
&:= 9/9 + (9 \times (9 \times (9 \times 9 - (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5105 &:= ((1 + 1) \times (111 \times (1 + (11 + 11)))) - 1 \\
&:= (222 \times (22 + 2/2)) - 2/2 \\
&:= 3 + ((3 \times (3 + 3))^3 - (3^{3+3} + 3/3)) \\
&:= 4/4 + (4 \times (4^4 - 4) + (4 + 4)^4) \\
&:= 5 + ((5 \times ((5 - 5/5)^5 - 5)) + 5) \\
&:= ((6 + 6) \times ((6 \times (66 + 6)) - 6)) - 6/6 - 6 \\
&:= 7 + ((7 \times (777 - 7 \times 7)) + ((7 + 7)/7)) \\
&:= 8/8 + (8 \times 8 \times (88 - 8) - (8 + 8)) \\
&:= (9 + 9)/9 + (9 \times (9 \times (9 \times 9 - (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5106 &:= (1 + 1) \times (111 \times (1 + (11 + 11))) \\
&:= 222 \times (22 + 2/2) \\
&:= 3 + (3 \times ((3 \times 3 + 3)^3 - 3^3)) \\
&:= 444/4 \times ((4 + 4)/4 + 44) \\
&:= 55/5 + (5 \times ((5 - 5/5)^5 - 5)) \\
&:= ((6 + 6) \times ((6 \times (66 + 6)) - 6)) - 6 \\
&:= ((77 - 7)/7) + (7 \times (777 - 7 \times 7)) \\
&:= (8 + 8)/8 + (8 \times 8 \times (88 - 8) - (8 + 8)) \\
&:= ((9 + 9 + 9)/9) + (9 \times (9 \times (9 \times 9 - (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5107 &:= 1 + ((1 + 1) \times (111 \times (1 + (11 + 11)))) \\
&:= 2/2 + (222 \times (22 + 2/2)) \\
&:= 3 + ((3 \times ((3 \times 3 + 3)^3 - 3^3)) + 3/3) \\
&:= 4 + (((4^4 - 4)/4) \times (4 - 4/4)^4) \\
&:= ((55 + 5)/5) + (5 \times ((5 - 5/5)^5 - 5)) \\
&:= 6 \times 666 + (6666/6) \\
&:= 77/7 + (7 \times (777 - 7 \times 7)) \\
&:= 8 \times 8 \times (88 - 8) - (88 + 8 + 8)/8 \\
&:= ((9 \times 9 - 9)/9) + (9 \times (9 \times (9 \times 9 - (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5108 &:= (1 + 1) \times (1 + (111 \times (1 + (11 + 11)))) \\
&:= 2 + (222 \times (22 + 2/2)) \\
&:= ((3^3 - 3) \times ((3 + 3)^3 - 3)) - (3/3 + 3) \\
&:= 4 + (4 \times (4^4 - 4) + (4 + 4)^4) \\
&:= 5 \times (5 - 5/5)^5 - (55 + 5)/5 \\
&:= 6 \times 666 + (6666 + 6)/6 \\
&:= (77 + 7)/7 + (7 \times (777 - 7 \times 7)) \\
&:= 8 \times 8 \times (88 - 8) - (88 + 8)/8 \\
&:= ((9 \times 9 + 9)/9) + (9 \times (9 \times (9 \times 9 - (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5109 &:= ((11 - 1) \times (1 + 1)^{11-1-1}) - 11 \\
&:= 2 + ((222 \times (22 + 2/2)) + 2/2) \\
&:= ((3^3 - 3) \times ((3 + 3)^3 - 3)) - 3 \\
&:= 4^4 \times (4 \times 4 + 4) - 44/4 \\
&:= 5 \times (5 - 5/5)^5 - 55/5 \\
&:= 6 + ((6/6 + 6) \times ((6 \times 6/(6 + 6))^6)) \\
&:= 7 + (((7 \times (777 - 7 \times 7)) - 7/7) + 7) \\
&:= 8 \times 8 \times (88 - 8) - 88/8 \\
&:= ((9/9 + 9) \times ((9 + 9)/9)^9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5110 &:= (11 - 1) \times ((1 + 1)^{11-1-1} - 1) \\
&:= 2 + ((222 \times (22 + 2/2)) + 2) \\
&:= (3/3 + 3 + 3) \times (3^{3+3} + 3/3) \\
&:= (4/4 + 4) \times (4 \times 4^4 - (4 + 4)/4) \\
&:= 5 \times (5 - 5/5)^5 - 5 - 5 \\
&:= (6/6 + 6) \times (((6 \times 6/(6 + 6))^6) + 6/6) \\
&:= 7 + ((7 \times (777 - 7 \times 7)) + 7) \\
&:= (8 - 88)/8 + 8 \times 8 \times (88 - 8) \\
&:= (9/9 + 9) \times (((9 + 9)/9)^9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5111 &:= 1 + ((11 - 1) \times ((1 + 1)^{11-1-1} - 1)) \\
&:= ((2 \times (2 + 2) + 2)^{2+2} + 222)/2 \\
&:= ((3^3 - 3) \times ((3 + 3)^3 - 3)) - 3/3 \\
&:= 4^4 \times (4 \times 4 + 4) - (4/4 + 4 + 4) \\
&:= 5/5 + (5 \times (5 - 5/5)^5 - (5 + 5)) \\
&:= ((6 + 6) \times ((6 \times (66 + 6)) - 6)) - 6/6 \\
&:= 7 + (((7 \times (777 - 7 \times 7)) + 7/7) + 7) \\
&:= 8 \times 8 \times (88 - 8) - (8/8 + 8) \\
&:= ((9/9 + 9) \times ((9 + 9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5112 &:= 1 + (1 + ((11 - 1) \times ((1 + 1)^{11-1-1} - 1))) \\
&:= 2 + (((222 \times (22 + 2/2)) + 2) + 2) \\
&:= (3^3 - 3) \times ((3 + 3)^3 - 3) \\
&:= 4^4 \times (4 \times 4 + 4) - 4 - 4 \\
&:= (5 + 5)/5 + (5 \times (5 - 5/5)^5 - (5 + 5)) \\
&:= (6 + 6) \times ((6 \times (66 + 6)) - 6) \\
&:= 7 + (((7 \times (777 - 7 \times 7)) + (7 + 7)/7) + 7) \\
&:= 8 \times 8 \times (88 - 8) - 8 \\
&:= 9 + (9 \times (9 \times (9 \times 9 - (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5113 &:= 1 + (1 + (1 + ((11 - 1) \times ((1 + 1)^{11-1-1} - 1)))) \\
&:= 2 + (((2 \times (2 + 2) + 2)^{2+2} + 222)/2) \\
&:= 3/3 + ((3^3 - 3) \times ((3 + 3)^3 - 3)) \\
&:= 4 + (4^4 \times (4 \times 4 + 4) - 44/4) \\
&:= 5 \times (5 - 5/5)^5 - ((5 + 5)/5 + 5) \\
&:= 6/6 + ((6 + 6) \times ((6 \times (66 + 6)) - 6)) \\
&:= 7 + ((7 \times (777 - 7 \times 7)) + ((77 - 7)/7)) \\
&:= 8/8 + (8 \times 8 \times (88 - 8) - 8) \\
&:= 9 + ((9 \times (9 \times (9 \times 9 - (9 + 9)))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5114 &:= ((1 + (1 + 1 + 1 + 1)) \times ((1 + 1)^{11-1} - 1)) - 1 \\
&:= 2 \times (2 + 2) + (222 \times (22 + 2/2)) \\
&:= 3 + (((3^3 - 3) \times ((3 + 3)^3 - 3)) - 3/3) \\
&:= 4^4 \times (4 \times 4 + 4) - ((4 + 4)/4 + 4) \\
&:= 5 \times (5 - 5/5)^5 - (5/5 + 5) \\
&:= (6 + 6)/6 + ((6 + 6) \times ((6 \times (66 + 6)) - 6)) \\
&:= 7 + ((7 \times (777 - 7 \times 7)) + (77/7)) \\
&:= (8 + 8)/8 + (8 \times 8 \times (88 - 8) - 8) \\
&:= 99/9 + (9 \times (9 \times (9 \times 9 - (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5115 &:= (1 + (1 + 1 + 1 + 1)) \times ((1 + 1)^{11-1} - 1) \\
&:= (2/2 + 2 + 2) \times ((2^{22/2} - 2)/2) \\
&:= 3 + ((3^3 - 3) \times ((3 + 3)^3 - 3)) \\
&:= (4/4 + 4) \times (4 \times 4^4 - 4/4) \\
&:= 5 \times (5 - 5/5)^5 - 5 \\
&:= 6 + (((6/6 + 6) \times ((6 \times 6/(6 + 6))^6)) + 6) \\
&:= (7/7 + 7 + 7) \times (7 \times 7 \times 7 - ((7 + 7)/7)) \\
&:= 88/8 + (8 \times 8 \times (88 - 8) - (8 + 8)) \\
&:= (99 + 9)/9 + (9 \times (9 \times (9 \times 9 - (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5116 &:= 1 + ((1 + (1 + 1 + 1 + 1)) \times ((1 + 1)^{11-1} - 1)) \\
&:= ((22 - 2) \times 2^{2 \times (2+2)}) - 2 - 2 \\
&:= 3 + (((3^3 - 3) \times ((3 + 3)^3 - 3)) + 3/3) \\
&:= 4^4 \times (4 \times 4 + 4) - 4 \\
&:= 5/5 + (5 \times (5 - 5/5)^5 - 5) \\
&:= 6 + ((6/6 + 6) \times (((6 \times 6/(6 + 6))^6) + 6/6)) \\
&:= 7 + (((7 \times (777 - 7 \times 7)) - 7/7) + 7) + 7 \\
&:= 8 \times 8 \times (88 - 8) - 8 \times 8/(8 + 8) \\
&:= ((99 + 9 + 9)/9) + (9 \times (9 \times (9 \times 9 - (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5117 &:= 11 + ((1 + 1) \times (111 \times (1 + (11 + 11)))) \\
&:= 22/2 + (222 \times (22 + 2/2)) \\
&:= (3/3 + 3 + 3) \times ((3^{3+3} - 3/3) + 3) \\
&:= 4/4 + (4^4 \times (4 \times 4 + 4) - 4) \\
&:= (5 + 5)/5 + (5 \times (5 - 5/5)^5 - 5) \\
&:= 6 + (((6 + 6) \times ((6 \times (66 + 6)) - 6)) - 6/6) \\
&:= 7 + (((7 \times (777 - 7 \times 7)) + 7) + 7) \\
&:= 8 + (8 \times 8 \times (88 - 8) - (88/8)) \\
&:= (9 - (9 + 9)/9) \times (9 \times 9 \times 9 + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5118 &:= ((11-1) \times (1+1)^{11-1-1}) - 1 - 1 \\
&:= ((22-2) \times 2^{2 \times (2+2)}) - 2 \\
&:= 3 + (((3^3-3) \times ((3+3)^3-3)) + 3) \\
&:= 4^4 \times (4 \times 4 + 4) - (4+4)/4 \\
&:= 5 \times (5-5/5)^5 - (5+5)/5 \\
&:= 6 + ((6+6) \times ((6 \times (66+6)) - 6)) \\
&:= 77 + (((7/7-7) + 77)^{(7+7)/7}) \\
&:= 8 \times 8 \times (88-8) - (8+8)/8 \\
&:= ((9/9+9) \times ((9+9)/9)^9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5119 &:= ((11-1) \times (1+1)^{11-1-1}) - 1 \\
&:= ((22-2) \times 2^{2 \times (2+2)}) - 2/2 \\
&:= 3 + (((3^3-3) \times ((3+3)^3-3)) + 3/3 + 3) \\
&:= 4^4 \times (4 \times 4 + 4) - 4/4 \\
&:= 5 \times (5-5/5)^5 - 5/5 \\
&:= 6 + (((6+6) \times ((6 \times (66+6)) - 6)) + 6/6) \\
&:= 7 + (((7 \times (777-7 \times 7)) + ((7+7)/7)) + 7) + 7 \\
&:= 8 \times 8 \times (88-8) - 8/8 \\
&:= ((9/9+9) \times ((9+9)/9)^9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5120 &:= (11-1) \times (1+1)^{11-1-1} \\
&:= (22-2) \times 2^{2 \times (2+2)} \\
&:= (3 \times 3 + 3/3) \times ((3-3/3)^{3 \times 3}) \\
&:= 4^4 \times (4 \times 4 + 4) \\
&:= 5 \times (5-5/5)^5 \\
&:= (6-6/6) \times (((6+6)/6)^{(66-6)/6}) \\
&:= ((7+7)/7)^7 \times (7 \times 7 - ((7+7)/7+7)) \\
&:= 8 \times 8 \times (88-8) \\
&:= (9/9+9) \times ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5121 &:= 1 + ((11-1) \times (1+1)^{11-1-1}) \\
&:= 2/2 + ((22-2) \times 2^{2 \times (2+2)}) \\
&:= 3 \times (((3 \times 3 + 3)^3 - 3^3) + 3) + 3 \\
&:= 4/4 + 4^4 \times (4 \times 4 + 4) \\
&:= 5/5 + 5 \times (5-5/5)^5 \\
&:= 6 + (((6/6+6) \times ((6 \times 6/(6+6))^6) + 6) + 6) \\
&:= 7 + (((7 \times (777-7 \times 7)) + (77/7)) + 7) \\
&:= 8/8 + 8 \times 8 \times (88-8) \\
&:= 9 + ((9 \times (9 \times (9 \times 9 - (9+9)))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5122 &:= 1 + (1 + ((11-1) \times (1+1)^{11-1-1})) \\
&:= 2 + ((22-2) \times 2^{2 \times (2+2)}) \\
&:= (3^3-3/3) \times (33 \times (3+3) - 3/3) \\
&:= (4+4)/4 + 4^4 \times (4 \times 4 + 4) \\
&:= (5+5)/5 + 5 \times (5-5/5)^5 \\
&:= (6/6+6+6) \times (6 \times 66 - ((6+6)/6)) \\
&:= 7 + ((7/7+7+7) \times (7 \times 7 \times 7 - ((7+7)/7))) \\
&:= (8+8)/8 + 8 \times 8 \times (88-8) \\
&:= 9 + (((9 \times (9 \times (9 \times 9 - (9+9)))) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5123 &:= 1 + (1 + (1 + ((11-1) \times (1+1)^{11-1-1}))) \\
&:= 2 + (((22-2) \times 2^{2 \times (2+2)}) + 2/2) \\
&:= 3 + ((3 \times 3 + 3/3) \times ((3-3/3)^{3 \times 3})) \\
&:= 4 + (4^4 \times (4 \times 4 + 4) - 4/4) \\
&:= 5 + (5 \times (5-5/5)^5 - ((5+5)/5)) \\
&:= 66/6 + ((6+6) \times ((6 \times (66+6)) - 6)) \\
&:= ((7-7/7) \times (777+77)) - 7/7 \\
&:= 88/8 + (8 \times 8 \times (88-8) - 8) \\
&:= 9 + ((9 \times (9 \times (9 \times 9 - (9+9)))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5124 &:= (1+1) \times ((11 + (11-1)) \times (1+11^{1+1})) \\
&:= 2 + (((22-2) \times 2^{2 \times (2+2)}) + 2) \\
&:= (3/3+3+3) \times (3^{3+3} + 3) \\
&:= 4 + 4^4 \times (4 \times 4 + 4) \\
&:= 5 + (5 \times (5-5/5)^5 - 5/5) \\
&:= (6/6+6) \times (666+66) \\
&:= (7-7/7) \times (777+77) \\
&:= 8 \times 8/(8+8) + 8 \times 8 \times (88-8) \\
&:= 9 + ((9 \times (9 \times (9 \times 9 - (9+9)))) + (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5125 &:= (1 + (1 + 1 + 1 + 1)) \times (1 + (1+1)^{11-1-1}) \\
&:= (2/2+2+2) \times ((2^{22/2} + 2)/2) \\
&:= 3/3 + ((3/3+3+3) \times (3^{3+3} + 3)) \\
&:= 4 + (4^4 \times (4 \times 4 + 4) + 4/4) \\
&:= 5 + 5 \times (5-5/5)^5 \\
&:= 6/6 + ((6/6+6) \times (666+66)) \\
&:= 7/7 + ((7-7/7) \times (777+77)) \\
&:= 8 + ((8 \times 8 \times (88-8) - (88/8)) + 8) \\
&:= ((99+99)/9) + (9 \times (9 \times (9 \times 9 - (9+9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5126 &:= (1+1) \times (11 \times (11 + (1+1) \times 111)) \\
&:= 22 \times (222 + 22/2) \\
&:= (3+3)^3 + ((33/3+3+3)^3 - 3) \\
&:= 4 + (4^4 \times (4 \times 4 + 4) + (4+4)/4) \\
&:= 5 + (5 \times (5-5/5)^5 + 5/5) \\
&:= 6 + ((6-6/6) \times (((6+6)/6)^{(66-6)/6})) \\
&:= (7+7)/7 + ((7-7/7) \times (777+77)) \\
&:= 8 + (8 \times 8 \times (88-8) - ((8+8)/8)) \\
&:= 9 + ((9 - (9+9)/9) \times (9 \times 9 \times 9 + ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5127 &:= 1 + ((1+1) \times (11 \times (11 + (1+1) \times 111))) \\
&:= 2/2 + 22 \times (222 + 22/2) \\
&:= 3 + ((3/3+3+3) \times (3^{3+3} + 3)) \\
&:= 4 + ((4^4 \times (4 \times 4 + 4) - 4/4) + 4) \\
&:= 5 + (5 \times (5-5/5)^5 + ((5+5)/5)) \\
&:= 66 + ((6/6+6) \times (((6 \times 6/(6+6))^6) - 6)) \\
&:= (7 \times (7 \times (7 \times (7+7) + 7))) - (77/7+7) \\
&:= 8 + (8 \times 8 \times (88-8) - 8/8) \\
&:= 9 + (((9/9+9) \times ((9+9)/9)^9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5128 &:= (1+1) \times (1 + (11 \times (11 + (1+1) \times 111))) \\
&:= 2 + 22 \times (222 + 22/2) \\
&:= 3 + (((3/3+3+3) \times (3^{3+3} + 3)) + 3/3) \\
&:= 4 + (4^4 \times (4 \times 4 + 4) + 4) \\
&:= 5 + ((5 \times (5-5/5)^5 - ((5+5)/5)) + 5) \\
&:= 6 + ((6/6+6+6) \times (6 \times 66 - ((6+6)/6))) \\
&:= ((7-77)/7) + ((7 \times (7 \times (7 \times (7+7) + 7))) - 7) \\
&:= 8 + 8 \times 8 \times (88-8) \\
&:= 9 + (((9/9+9) \times ((9+9)/9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5129 &:= (1 + (11 + 11)) \times (1 + (1+1) \times 111) \\
&:= (22 + 2/2) \times (222 + 2/2) \\
&:= (3+3)^3 + (33/3+3+3)^3 \\
&:= 4 + ((4^4 \times (4 \times 4 + 4) + 4/4) + 4) \\
&:= 5 + ((5 \times (5-5/5)^5 - 5/5) + 5) \\
&:= ((6/6+6+6) \times (6 \times 66 - 6/6)) - 6 \\
&:= (7 \times (7 \times (7 \times (7+7) + 7))) - (((7+7)/7+7) + 7) \\
&:= 8 + (8 \times 8 \times (88-8) + 8/8) \\
&:= 9 + ((9/9+9) \times ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5130 &:= (11-1) \times (1 + (1+1)^{11-1-1}) \\
&:= 2 + (22 \times (222 + 22/2) + 2) \\
&:= 3 \times ((3 \times 3 + 3)^3 - (3 \times (3+3))) \\
&:= (4/4+4) \times ((4+4)/4 + 4 \times 4^4) \\
&:= 5 + (5 \times (5-5/5)^5 + 5) \\
&:= 6 + ((6/6+6) \times (666+66)) \\
&:= (7/7+7+7) \times (7 \times 7 \times 7 - 7/7) \\
&:= 8 + (8 \times 8 \times (88-8) + ((8+8)/8)) \\
&:= 9 + (((9 \times (9 \times (9 \times 9 - (9+9)))) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5131 &:= 1 + ((11-1) \times (1 + (1+1)^{11-1-1})) \\
&:= 2 + ((22+2/2) \times (222+2/2)) \\
&:= 3/3 + (3 \times ((3 \times 3 + 3)^3 - (3 \times (3+3)))) \\
&:= 44/4 + 4^4 \times (4 \times 4 + 4) \\
&:= 55/5 + 5 \times (5-5/5)^5 \\
&:= (6/6+6) \times (((66 \times 66 + 6)/6) + 6) \\
&:= (7 \times (7 \times (7 \times (7+7) + 7))) - (7+7) \\
&:= 88/8 + 8 \times 8 \times (88-8) \\
&:= 99/9 + ((9/9+9) \times ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5132 &:= 1 + (1 + ((11-1) \times (1 + (1+1)^{11-1-1}))) \\
&:= 2 \times ((2 \times ((2+2+2)^{2+2} - 2)) - 22) \\
&:= 3 + ((33/3+3+3)^3 + (3+3)^3) \\
&:= 4 + ((4^4 \times (4 \times 4 + 4) + 4) + 4) \\
&:= ((55+5)/5) + 5 \times (5-5/5)^5 \\
&:= (6-66)/6 + (66 \times (66+6+6) - 6) \\
&:= 7/7 + ((7 \times (7 \times (7 \times (7+7) + 7))) - (7+7)) \\
&:= ((88+8)/8) + 8 \times 8 \times (88-8) \\
&:= 9 + (((9 \times (9 \times (9 \times 9 - (9+9)))) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5133 &:= 1 + (1 + (1 + ((11 - 1) \times (1 + (1 + 1)^{11-1-1})))) \\
&:= 2 + (((22 + 2/2) \times (222 + 2/2)) + 2) \\
&:= 3 + (3 \times ((3 \times 3 + 3)^3 - (3 \times (3 + 3)))) \\
&:= 4 + (((4^4 \times (4 \times 4 + 4) + 4/4) + 4) + 4) \\
&:= 5 \times (5 - 5/5)^5 + (55 + 5 + 5)/5 \\
&:= 6 \times 6 + (((6/6 + 6) \times ((6 \times 6 / (6 + 6))^6)) - 6) \\
&:= (7 \times (7 \times (7 \times (7 + 7) + 7))) - (77 + 7)/7 \\
&:= 8 \times 8 \times (88 - 8) + (88 + 8 + 8)/8 \\
&:= 999/9 + (9 \times ((9 \times (9 \times 9 - (9 + 9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5138 &:= 1 + (11 \times (1 + ((1 + 1) \times (11 + (1 + 1) \times 111)))) \\
&:= 2 + ((22 + 2) \times (222 - 2 \times (2 + 2))) \\
&:= 3^3 + (((3^3 - 3) \times ((3 + 3)^3 - 3)) - 3/3) \\
&:= 4 \times 4 + (4^4 \times (4 \times 4 + 4) + (4 + 4)/4) \\
&:= 5^5 + (5^5 - (5555 + 5))/5 \\
&:= (6 - 66)/6 + 66 \times (66 + 6 + 6) \\
&:= (7 \times (7 \times (7 \times (7 + 7) + 7))) - 7 \\
&:= 8 + ((8 \times 8 \times (88 - 8) + ((8 + 8)/8)) + 8) \\
&:= 9 + (((9/9 + 9) \times ((9 + 9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5143 &:= (111 \times (1 + 1111)) / ((1 + 1) \times (1 + 11)) \\
&:= 22 + (((22 - 2) \times 2^{2 \times (2+2)}) + 2/2) \\
&:= 3/3 + ((3 \times ((3 \times 3 + 3)^3 - 3)) - 33) \\
&:= 4 + (((4/4 + 4) \times (4 \times 4^4 + 4)) - 4/4) \\
&:= (5 \times ((5 - 5/5)^5 + 5)) - (5 + 5)/5 \\
&:= 6/6 + (66 \times (66 + 6 + 6) - 6) \\
&:= (7 \times (7 \times (7 \times (7 + 7) + 7))) - (7 + 7)/7 \\
&:= 8 + (((8 \times 8 \times (88 - 8) - 8/8) + 8) + 8) \\
&:= 9 \times (9 + 9 + 9) + ((9 \times 9 - 99/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5134 &:= 1 + (1 + (1 + (1 + ((11 - 1) \times (1 + (1 + 1)^{11-1-1})))))) \\
&:= ((22 + 2) \times (222 - 2 \times (2 + 2))) - 2 \\
&:= 3 + ((3 \times ((3 \times 3 + 3)^3 - (3 \times (3 + 3)))) + 3/3) \\
&:= 4 + (4^4 \times (4 \times 4 + 4) + (44 - 4)/4) \\
&:= (5 \times ((5 - 5/5)^5 + 5)) - 55/5 \\
&:= 66 \times (66 + 6 + 6) - ((6 + 6)/6 + 6 + 6) \\
&:= (7 \times (7 \times (7 \times (7 + 7) + 7))) - 77/7 \\
&:= 8 + ((8 \times 8 \times (88 - 8) - ((8 + 8)/8)) + 8) \\
&:= 9 + ((9 \times (9 \times (9 \times 9 - (9 + 9)))) + ((99 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5139 &:= ((11 - 1) \times (1 + (1 + (1 + 1)^{11-1-1}))) - 1 \\
&:= 2^{2 \times (2+2)} + (22 \times 222 - 2/2) \\
&:= 3 \times (((3 \times 3 + 3)^3 - (3 \times (3 + 3))) + 3) \\
&:= ((4/4 + 4) \times (4 \times 4^4 + 4)) - 4/4 \\
&:= 5^5 + (5^5 - 5555/5) \\
&:= 6 \times 6 + ((6/6 + 6) \times ((6 \times 6 / (6 + 6))^6)) \\
&:= 7/7 + ((7 \times (7 \times (7 \times (7 + 7) + 7))) - 7) \\
&:= 8 + (8 \times 8 \times (88 - 8) + (88/8)) \\
&:= 9 + (((9 \times (9 \times (9 \times 9 - (9 + 9)))) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5144 &:= ((1 + 1 + 1) \times (1 + 1)^{11}) - (11 - 1)^{1+1+1} \\
&:= 2 + (((22 - 2) \times 2^{2 \times (2+2)}) + 22) \\
&:= 3 + ((3 \times ((3 \times 3 + 3)^3 - 3)) - (3/3 + 33)) \\
&:= 4 + (((4/4 + 4) \times (4 \times 4^4 + 4)) \\
&:= (5 \times ((5 - 5/5)^5 + 5)) - 5/5 \\
&:= (6 + 6)/6 + (66 \times (66 + 6 + 6) - 6) \\
&:= (7 \times (7 \times (7 \times (7 + 7) + 7))) - 7/7 \\
&:= 8 + ((8 \times 8 \times (88 - 8) + 8) + 8) \\
&:= (9 - 9/9) \times ((99 + 99 - 9)/(9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5135 &:= (1 + 1 + 11) \times ((11 \times ((1 + 1 + 1) \times (1 + 11))) - 1) \\
&:= 222 + ((2^{2+2} + 2/2)^{2/2+2}) \\
&:= 3 + (((33/3 + 3 + 3)^3 + (3 + 3)^3) + 3) \\
&:= 4 + (4^4 \times (4 \times 4 + 4) + 44/4) \\
&:= 5 + ((5 \times (5 - 5/5)^5 + 5) + 5) \\
&:= (6/6 + 6 + 6) \times (6 \times 66 - 6/6) \\
&:= ((7 - 77)/7) + (7 \times (7 \times (7 \times (7 + 7) + 7))) \\
&:= 8 + ((8 \times 8 \times (88 - 8) - 8/8) + 8) \\
&:= 9 + (((9 - (9 + 9)/9) \times (9 \times 9 \times 9 + ((9 + 9)/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5140 &:= (11 - 1) \times (1 + (1 + (1 + 1)^{11-1-1})) \\
&:= 2 \times ((2 \times (2 + 2 + 2)^{2+2}) - 22) \\
&:= (3 \times (3 \times 3 + 3)^3) - (33/3 + 33) \\
&:= (4/4 + 4) \times (4 \times 4^4 + 4) \\
&:= (5 \times ((5 - 5/5)^5 + 5)) - 5 \\
&:= 66 \times (66 + 6 + 6) - ((6 + 6)/6 + 6) \\
&:= (7 + 7)/7 + ((7 \times (7 \times (7 \times (7 + 7) + 7))) - 7) \\
&:= 8 + (8 \times 8 \times (88 - 8) + ((88 + 8)/8)) \\
&:= 99 + ((9 \times 9 - (9/9 + 9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5145 &:= (1 + 1 + 1) \times ((1 + 1)^{11} - (1 + 1 + 1) \times 111) \\
&:= (22 - 2/2) \times ((22^2 + 2)/2 + 2) \\
&:= 3 + ((3 \times ((3 \times 3 + 3)^3 - 3)) - 33) \\
&:= (4/4 + 4) \times ((4 \times 4^4 + 4/4) + 4) \\
&:= 5 \times ((5 - 5/5)^5 + 5) \\
&:= (6/6 + 6) \times (((6 \times 6 / (6 + 6))^6) + 6) \\
&:= 7 \times (7 \times (7 \times (7 + 7) + 7)) \\
&:= 8 + (((8 \times 8 \times (88 - 8) + 8/8) + 8) + 8) \\
&:= ((99 + 9)/9 \times ((9 + 9)/9)^9) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5136 &:= ((111^{1+1}) - (1 + (1 + 1)^{11})) / (1 + 1) \\
&:= (22 + 2) \times (222 - 2 \times (2 + 2)) \\
&:= 33 + (3 \times ((3 \times 3 + 3)^3 - 3^3)) \\
&:= 4 \times (4 \times 4^4 + 4^4 + 4) \\
&:= 5 + (5 \times (5 - 5/5)^5 + (55/5)) \\
&:= 66 \times (66 + 6 + 6) - 6 - 6 \\
&:= (7 \times (7 \times (7 \times (7 + 7) + 7))) - ((7 + 7)/7 + 7) \\
&:= 8 + (8 \times 8 \times (88 - 8) + 8) \\
&:= 9 + (((9/9 + 9) \times ((9 + 9)/9)^9) - ((9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5141 &:= 1 + ((11 - 1) \times (1 + (1 + (1 + 1)^{11-1-1}))) \\
&:= 22 + (((22 - 2) \times 2^{2 \times (2+2)}) - 2/2) \\
&:= (3 \times ((3 \times 3 + 3)^3 - 3)) - 3/3 - 33 \\
&:= 4/4 + (((4/4 + 4) \times (4 \times 4^4 + 4)) \\
&:= 5/5 + ((5 \times ((5 - 5/5)^5 + 5)) - 5) \\
&:= 66 \times (66 + 6 + 6) - 6/6 - 6 \\
&:= 7 + ((7 \times (7 \times (7 \times (7 + 7) + 7))) - (77/7)) \\
&:= (8 \times 8 - 88/8) \times ((8/8 + 88) + 8) \\
&:= 9 + (((9 \times (9 \times (9 \times 9 - (9 + 9)))) + (99/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5146 &:= (1 + 1) \times ((11 \times (1 + (11 + (1 + 1) \times 111))) - 1) \\
&:= (22 \times (2^{2 \times (2+2)} - 22)) - 2 \\
&:= (3 \times (3 \times 3 + 3)^3) - (33/3 + 3^3) \\
&:= 4 + (((4/4 + 4) \times (4 \times 4^4 + 4)) + (4 + 4)/4) \\
&:= 5/5 + (5 \times ((5 - 5/5)^5 + 5)) \\
&:= 66 \times (66 + 6 + 6) - (6 + 6)/6 \\
&:= 7/7 + (7 \times (7 \times (7 \times (7 + 7) + 7))) \\
&:= 8 + (((8 \times 8 \times (88 - 8) + ((8 + 8)/8)) + 8) + 8) \\
&:= (((9 + 9)/9) + 9 \times 9) \times (9 \times 9 - (9/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5137 &:= 11 \times (1 + ((1 + 1) \times (11 + (1 + 1) \times 111))) \\
&:= 2/2 + ((22 + 2) \times (222 - 2 \times (2 + 2))) \\
&:= 3^3 + ((3/3 + 3 + 3) \times (3^{3+3} + 3/3)) \\
&:= 4 \times 4 + (4^4 \times (4 \times 4 + 4) + 4/4) \\
&:= 5 + (5 \times (5 - 5/5)^5 + ((55 + 5)/5)) \\
&:= 66 \times (66 + 6 + 6) - 66/6 \\
&:= (7 \times (7 \times (7 \times (7 + 7) + 7))) - (7/7 + 7) \\
&:= 8 + ((8 \times 8 \times (88 - 8) + 8/8) + 8) \\
&:= 9 + (((9/9 + 9) \times ((9 + 9)/9)^9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5142 &:= 1 + (1 + ((11 - 1) \times (1 + (1 + (1 + 1)^{11-1-1})))) \\
&:= 22 + ((22 - 2) \times 2^{2 \times (2+2)}) \\
&:= (3 \times ((3 \times 3 + 3)^3 - 3)) - 33 \\
&:= (4 + 4)/4 + (((4/4 + 4) \times (4 \times 4^4 + 4)) \\
&:= (5 + 5)/5 + ((5 \times ((5 - 5/5)^5 + 5)) - 5) \\
&:= 66 \times (66 + 6 + 6) - 6 \\
&:= (7 \times (7 \times (7 \times (7 + 7) + 7))) - (7 + 7 + 7)/7 \\
&:= 8 \times 8 \times (88 - 8) + (88 + 88)/8 \\
&:= 9 + ((9 \times ((9 \times (9 \times 9 - (9 + 9))) - 9)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5147 &:= ((1 + 1) \times (11 \times (1 + (11 + (1 + 1) \times 111)))) - 1 \\
&:= (22 \times (2^{2 \times (2+2)} - 22)) - 2/2 \\
&:= (3 \times (3 \times 3 + 3)^3) - (3/3 + 33 + 3) \\
&:= 4 \times 4 + (4^4 \times (4 \times 4 + 4) + 44/4) \\
&:= (5 + 5)/5 + (5 \times ((5 - 5/5)^5 + 5)) \\
&:= 66 \times (66 + 6 + 6) - 6/6 \\
&:= (7 + 7)/7 + (7 \times (7 \times (7 \times (7 + 7) + 7))) \\
&:= 8 + ((8 \times 8 \times (88 - 8) + (88/8)) + 8) \\
&:= 9 + (((9/9 + 9) \times ((9 + 9)/9)^9) + 9) + 9)
\end{aligned}$$

- 5148 := $(1+1) \times (11 \times (1 + (11 + (1+1) \times 111)))$
:= $22 \times (2^{2 \times (2+2)} - 22)$
:= $3 \times ((3 \times 3 + 3)^3 - (3 \times 3 + 3))$
:= $4444 + 4 \times 4 \times 44$
:= $5 + ((5 \times ((5 - 5/5)^5 + 5)) - ((5 + 5)/5))$
:= $66 \times (66 + 6 + 6)$
:= $(7/7 + 77) \times (77 - 77/7)$
:= $8 \times 88 + (8888 / ((8 + 8)/8))$
:= $99 \times (9 \times 9 - (99/9 + 9 + 9))$
- 5149 := $1 + ((1 + 1) \times (11 \times (1 + (11 + (1 + 1) \times 111))))$
:= $2/2 + (22 \times (2^{2 \times (2+2)} - 22))$
:= $3/3 + (3 \times ((3 \times 3 + 3)^3 - (3 \times 3 + 3)))$
:= $4 + ((4/4 + 4) \times ((4 \times 4^4 + 4/4) + 4))$
:= $5 + ((5 \times ((5 - 5/5)^5 + 5)) - 5/5)$
:= $6/6 + 66 \times (66 + 6 + 6)$
:= $77/7 + ((7 \times (7 \times (7 \times (7 + 7) + 7))) - 7)$
:= $8 + ((8 \times 8 - 88/8) \times ((8/8 + 88) + 8))$
:= $9 + (((9 \times 9 - (9/9 + 9))^{(9+9)/9}) + 99)$
- 5150 := $(1 + 1) \times (((1 + 111) \times (1 + (11 + 111))) - 1)$
:= $2 + (22 \times (2^{2 \times (2+2)} - 22))$
:= $(3 \times (3 \times 3 + 3)^3) - 3/3 - 33$
:= $(4/4 + 4) \times (((4 + 4)/4 + 4 \times 4^4) + 4)$
:= $5 + (5 \times ((5 - 5/5)^5 + 5))$
:= $(6 + 6)/6 + 66 \times (66 + 6 + 6)$
:= $7 + ((7 \times (7 \times (7 \times (7 + 7) + 7))) - ((7 + 7)/7))$
:= $8 + (8 \times 8 \times (88 - 8) + (88 + 88)/8)$
:= $(9/9 + 9) \times (((9 + 9)/9)^9 + ((9 + 9 + 9)/9))$
- 5151 := $(1 + 1 + 1) \times (((1 + 11)^{1+1+1}) - 11)$
:= $((22 + 2/2) \times (222 + 2)) - 2/2$
:= $(3 \times (3 \times 3 + 3)^3) - 33$
:= $4^4 + (44/4 \times (444 + 4/4))$
:= $5 + ((5 \times ((5 - 5/5)^5 + 5)) + 5/5)$
:= $6 + ((6/6 + 6) \times (((6 \times 6 / (6 + 6))^6) + 6))$
:= $7 + ((7 \times (7 \times (7 \times (7 + 7) + 7))) - 7/7)$
:= $8 + (((8 \times 8 \times (88 - 8) - 8/8) + 8) + 8) + 8)$
:= $999/9 + ((9 - 9/9) \times (9 \times 9 \times 9 - 99))$
- 5152 := $(1 + 1) \times ((1 + 111) \times (1 + (11 + 11)))$
:= $(22 + 2/2) \times (222 + 2)$
:= $3/3 + ((3 \times (3 \times 3 + 3)^3) - 33)$
:= $4 \times ((4 \times 4^4 + 4^4 + 4) + 4)$
:= $((5 + 5)/5)^5 + 5 \times (5 - 5/5)^5$
:= $6 + (66 \times (66 + 6 + 6) - ((6 + 6)/6))$
:= $7 + (7 \times (7 \times (7 \times (7 + 7) + 7)))$
:= $8 + (((8 \times 8 \times (88 - 8) + 8) + 8) + 8)$
:= $(9 - (9 + 9)/9) \times ((9 \times 9 \times 9 - ((9 + 9)/9)) + 9)$
- 5153 := $1 + ((1 + 1) \times ((1 + 111) \times (1 + (11 + 11))))$
:= $2/2 + ((22 + 2/2) \times (222 + 2))$
:= $3 + ((3 \times (3 \times 3 + 3)^3) - (3/3 + 33))$
:= $44 + (4^4 \times (4 \times 4 + 4) - 44/4)$
:= $5 + (((5 \times ((5 - 5/5)^5 + 5)) - ((5 + 5)/5)) + 5)$
:= $6 + (66 \times (66 + 6 + 6) - 6/6)$
:= $7 + ((7 \times (7 \times (7 \times (7 + 7) + 7))) + 7/7)$
:= $(88/8 - 8)^8 - 88 \times (8 + 8)$
:= $9 \times ((9 + 9)/9)^9 + ((99 \times 99 + 9)/(9 + 9))$
- 5154 := $(1 + 1) \times (1 + ((1 + 111) \times (1 + (11 + 11))))$
:= $2 + ((22 + 2/2) \times (222 + 2))$
:= $3 + ((3 \times (3 \times 3 + 3)^3) - 33)$
:= $4 + ((4/4 + 4) \times (((4 + 4)/4 + 4 \times 4^4) + 4))$
:= $5 + (((5 \times ((5 - 5/5)^5 + 5)) - 5/5) + 5)$
:= $6 + 66 \times (66 + 6 + 6)$
:= $7 + ((7 \times (7 \times (7 \times (7 + 7) + 7))) + ((7 + 7)/7))$
:= $8/8 + ((88/8 - 8)^8 - 88 \times (8 + 8))$
:= $9 + (((99 + 9)/9 \times (9 + 9)/9)^9 - 999)$
- 5155 := $1 + ((1 + 1) \times (1 + ((1 + 111) \times (1 + (11 + 11))))$
:= $2 + (((22 + 2/2) \times (222 + 2)) + 2/2)$
:= $3 + (((3 \times (3 \times 3 + 3)^3) - 33) + 3/3)$
:= $(4/4 + 4) \times (((4 \times 4^4 - 4/4) + 4) + 4)$
:= $5 + ((5 \times ((5 - 5/5)^5 + 5)) + 5)$
:= $6 + (66 \times (66 + 6 + 6) + 6/6)$
:= $7 + ((7/7 + 77) \times (77 - 77/7))$
:= $8 + (((8 \times 8 \times (88 - 8) + (88/8) + 8) + 8)$
:= $(9 \times 9 - 9)^{(9+9)/9} - (99/9 + 9 + 9)$
- 5156 := $(1 + 1) \times (1 + (1 + ((1 + 111) \times (1 + (11 + 11))))$
:= $2 + (((22 + 2/2) \times (222 + 2)) + 2)$
:= $(3 \times (3 \times 3 + 3)^3) - (3^3 + 3/3)$
:= $((4 \times 4 + 4) \times (4^4 + 4)) - 44$
:= $55/5 + (5 \times ((5 - 5/5)^5 + 5))$
:= $6 + (66 \times (66 + 6 + 6) + ((6 + 6)/6))$
:= $77/7 + (7 \times (7 \times (7 \times (7 + 7) + 7)))$
:= $8 + (8888 / ((8 + 8)/8)) + 8 \times 88$
:= $9 + (((9/9 + 9) \times ((9 + 9)/9)^9 + 9) + 9) + 9)$
- 5157 := $(1 + 1 + 1) \times (1 + (1 + (((1 + 11)^{1+1+1}) - 11)))$
:= $(2/2 + 2)^2 \times (((22 + 2)^2) - (2/2 + 2))$
:= $3 \times ((3 \times 3 + 3)^3 - 3 \times 3)$
:= $4/4 + (((4 \times 4 + 4) \times (4^4 + 4)) - 44)$
:= $5 + (5 \times (5 - 5/5)^5 + ((5 + 5)/5)^5)$
:= $6 + (((6/6 + 6) \times (((6 \times 6 / (6 + 6))^6) + 6)) + 6)$
:= $(77 + 7)/7 + (7 \times (7 \times (7 \times (7 + 7) + 7)))$
:= $(8/8 + 88) \times ((8 \times (8 \times 8 + 8) - 88/8) + 8)$
:= $(9 \times 9 - 9)^{(9+9)/9} - (9 + 9 + 9)$
- 5158 := $1 + ((1 + 1 + 1) \times (1 + (1 + (((1 + 11)^{1+1+1}) - 11))))$
:= $((22 - 2) \times (2^{2 \times (2+2)} + 2)) - 2$
:= $3/3 + (3 \times ((3 \times 3 + 3)^3 - 3 \times 3))$
:= $44 + (4^4 \times (4 \times 4 + 4) - ((4 + 4)/4 + 4))$
:= $5^5 + (((5 + 5)/5)^{55/5} - (5 + 5 + 5))$
:= $((66 - 6)/6) + 66 \times (66 + 6 + 6)$
:= $7 + (((7 \times (7 \times (7 \times (7 + 7) + 7))) - 7/7) + 7)$
:= $((8/8 + 8) \times (8 \times (8 \times 8 + 8) - (8 + 8)/8)) - 8$
:= $9 \times (9 \times 9 \times 9 - 99) - ((9 + 9)/9)^9$
- 5159 := $11 \times (1 + ((1 + 1) \times (1 + (11 + (1 + 1) \times 111))))$
:= $((22 - 2) \times (2^{2 \times (2+2)} + 2)) - 2/2$
:= $3 + ((3 \times (3 \times 3 + 3)^3) - (3^3 + 3/3))$
:= $44 + ((4/4 + 4) \times (4 \times 4^4 - 4/4))$
:= $55/5 \times ((5 - 5/5)^5 - 555)$
:= $66/6 + 66 \times (66 + 6 + 6)$
:= $7 + ((7 \times (7 \times (7 \times (7 + 7) + 7))) + 7)$
:= $(8 - 8/8) \times (((8/8 + 8)^{88/8-8}) + 8)$
:= $(9 - (9 + 9)/9) \times ((9 \times 9 \times 9 - 9/9) + 9)$
- 5160 := $(1 + 11) \times (((11 + (11 - 1))^{1+1}) - 11)$
:= $(22 - 2) \times (2^{2 \times (2+2)} + 2)$
:= $3 + (3 \times ((3 \times 3 + 3)^3 - 3 \times 3))$
:= $44 + (4^4 \times (4 \times 4 + 4) - 4)$
:= $5 + (((5 \times ((5 - 5/5)^5 + 5)) + 5) + 5)$
:= $6 + (66 \times (66 + 6 + 6) + 6)$
:= $(7/7 + 7 + 7) \times (7 \times 7 \times 7 + 7/7)$
:= $8 \times (8 \times (88 - 8) + 8) - 8 - 8 - 8$
:= $(9 - 9/9) \times (9 \times (9 \times 9 - 9) - ((9 + 9 + 9)/9))$
- 5161 := $((1 + 111)^{1+1}) / (1 + 1) - 1111$
:= $2/2 + ((22 - 2) \times (2^{2 \times (2+2)} + 2))$
:= $3 + ((3 \times ((3 \times 3 + 3)^3 - 3 \times 3)) + 3/3)$
:= $44 + ((4^4 \times (4 \times 4 + 4) - 4) + 4/4)$
:= $5 + ((5 \times ((5 - 5/5)^5 + 5)) + (55/5))$
:= $(6/6 + 6 + 6) \times (6 \times 66 + 6/6)$
:= $7 + (((7 \times (7 \times (7 \times (7 + 7) + 7))) + ((7 + 7)/7)) + 7)$
:= $8 + ((88/8 - 8)^8 - 88 \times (8 + 8))$
:= $9 + ((9 - (9 + 9)/9) \times (9 \times 9 \times 9 - ((9 + 9)/9) + 9))$
- 5162 := $1 + (((1 + 111)^{1+1}) / (1 + 1)) - 1111$
:= $(2 \times (2 + 2 + 2)^2) - 22$
:= $33/3 + ((3 \times (3 \times 3 + 3)^3) - 33)$
:= $44 + (4^4 \times (4 \times 4 + 4) - (4 + 4)/4)$
:= $5 + ((5 \times (5 - 5/5)^5 + ((5 + 5)/5)^5) + 5)$
:= $6 + ((66 \times (66 + 6 + 6) + ((6 + 6)/6)) + 6)$
:= $7 + (((7/7 + 77) \times (77 - 77/7)) + 7)$
:= $(8/8 + 88) \times (((8 + 8)/8) - 8) + 8 \times 8$
:= $(9 \times 9 - 9)^{(9+9)/9} - ((99 + 99)/9)$

$$\begin{aligned}
\blacktriangleright 5163 &:= 11 + ((1+1) \times ((1+111) \times (1+(11+11)))) \\
&:= 2/2 + ((2 \times (2+2+2)^2)^2 - 22) \\
&:= (3 \times ((3 \times 3+3)^3 - (3+3))) - 3 \\
&:= 44 + (4^4 \times (4 \times 4+4) - 4/4) \\
&:= 5^5 + ((5+5)/5 \times ((5-5/5)^5 - 5)) \\
&:= 66 + (((6/6+6) \times ((6 \times 6/(6+6))^6)) - 6) \\
&:= 7 + ((7 \times (7 \times (7 \times (7+7) + 7))) + (77/7)) \\
&:= 8 + (((8 \times 8 \times (88-8) + (88/8)) + 8) + 8) + 8) \\
&:= (9 \times 9 - 9)^{(9+9)/9} - ((99+9)/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5168 &:= (1+1) \times ((11 \times (11 + ((1+1) \times (1+11)))) - 1) \\
&:= 2 \times (2 \times ((2+2+2)^{2+2} - (2+2))) \\
&:= 3 + ((3 \times ((3 \times 3+3)^3 - (3+3))) - 3/3) \\
&:= 4 \times (((4+4)/4+4)^4 - 4) \\
&:= 5^5 + (((5+5)/5)^{55/5} - 5) \\
&:= (6-66)/6 + ((6 \times (6 \times (6+6) \times (6+6))) - 6) \\
&:= (7/7 - 77) \times (((7+7)/7 - 77) + 7) \\
&:= 8 \times (8 \times (88-8) + 8) - 8 - 8 \\
&:= (9-9/9) \times (9 \times (9 \times 9 - 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5173 &:= ((1+1+1) \times ((1+11)^{1+1+1})) - 11 \\
&:= (2 \times (2+2+2)^2)^2 - 22/2 \\
&:= (3 \times (3 \times 3+3)^3) - 33/3 \\
&:= (4 \times ((4+4)/4+4)^4) - 44/4 \\
&:= 5^5 + (((5+5)/5)^{55/5}) \\
&:= (6 \times (6 \times (6+6) \times (6+6))) - 66/6 \\
&:= 77 + (7 \times (777 - 7 \times 7)) \\
&:= 8 \times (8 \times (88-8) + 8) - 88/8 \\
&:= (9 \times 9 - 9)^{(9+9)/9} - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5164 &:= 1 + (11 + ((1+1) \times ((1+111) \times (1+(11+11)))) \\
&:= 2 + ((2 \times (2+2+2)^2)^2 - 22) \\
&:= (3 \times ((3 \times 3+3)^3 - 3)) - 33/3 \\
&:= 44 + 4^4 \times (4 \times 4+4) \\
&:= 55 + (5 \times (5-5/5)^5 - (55/5)) \\
&:= 6 + (66 \times (66+6+6) + ((66-6)/6)) \\
&:= 7 + ((7 \times (7 \times (7 \times (7+7) + 7))) + (77+7)/7) \\
&:= 8 \times 8 \times (88-8) + (88/((8+8)/8)) \\
&:= (9 \times 9 - 9)^{(9+9)/9} - (99/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5169 &:= ((1+1+1) \times (((1+11)^{1+1+1}) - 1)) - 1 - 11 \\
&:= 2/2 + (2 \times (2 \times ((2+2+2)^{2+2} - (2+2)))) \\
&:= 3 + (3 \times ((3 \times 3+3)^3 - (3+3))) \\
&:= 4/4 + (4 \times (((4+4)/4+4)^4 - 4)) \\
&:= (5 \times (((5-5/5)^5 + 5) + 5)) - 5/5 \\
&:= 66 + ((6/6+6) \times ((6 \times 6/(6+6))^6)) \\
&:= 7 \times 777 - ((7 \times 7 \times 77+7)/(7+7)) \\
&:= 8/8 + (8 \times (8 \times (88-8) + 8) - (8+8)) \\
&:= 9 + ((9-9/9) \times (9 \times (9 \times 9 - 9) - ((9+9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5174 &:= 1 + (((1+1+1) \times ((1+11)^{1+1+1})) - 11) \\
&:= (22/2+2) \times ((22-2)^2 - 2) \\
&:= (3 \times ((3 \times 3+3)^3 - 3)) - 3/3 \\
&:= (4-44)/4 + (4 \times ((4+4)/4+4)^4) \\
&:= 55 + (5 \times (5-5/5)^5 - 5/5) \\
&:= (6-66)/6 + (6 \times (6 \times (6+6) \times (6+6))) \\
&:= 7/7 + ((7 \times (777 - 7 \times 7)) + 77) \\
&:= (8-88)/8 + 8 \times (8 \times (88-8) + 8) \\
&:= (9 \times 9 - 9)^{(9+9)/9} - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5165 &:= ((11 + (11-1))^{1+1+1}) - ((1+1)^{1+1+1}) \\
&:= 2 + (((2 \times (2+2+2)^2)^2 - 22) + 2/2) \\
&:= (3 \times ((3 \times 3+3)^3 - (3+3))) - 3/3 \\
&:= 44 + (4^4 \times (4 \times 4+4) + 4/4) \\
&:= (5 \times (((5-5/5)^5 + 5) + 5)) - 5 \\
&:= 6 + (66 \times (66+6+6) + (66/6)) \\
&:= 7 + (((7 \times (7 \times (7 \times (7+7) + 7))) - 7/7) + 7) + 7) \\
&:= 8 \times (8 \times (88-8) + 8) - (88/8+8) \\
&:= (9 \times 9 - 9)^{(9+9)/9} - (9/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5170 &:= (1+1) \times (11 \times (11 + ((1+1) \times (1+11)))) \\
&:= 22 \times ((222+22/2) + 2) \\
&:= (3 \times (3 \times 3+3)^3) - (33/3+3) \\
&:= (4+4)/4 + (4 \times (((4+4)/4+4)^4 - 4)) \\
&:= 5 \times (((5-5/5)^5 + 5) + 5) \\
&:= (66/6+6 \times 6) \times ((666-6)/6) \\
&:= 7 \times 7 - ((7+7)/7) \times (777-7)/7 \\
&:= 8 + ((8/8+88) \times (((8+8)/8) - 8) + 8 \times 8) \\
&:= 9 \times 9 + ((9-9/9)/9) \times (9 \times 9 \times 9 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5175 &:= (1+1+1) \times (((1+11)^{1+1+1}) - (1+1+1)) \\
&:= 2 + ((2 \times (2+2+2)^2)^2 - 22/2) \\
&:= 3 \times ((3 \times 3+3)^3 - 3) \\
&:= (4/4+4) \times (44/4+4 \times 4^4) \\
&:= 55 + 5 \times (5-5/5)^5 \\
&:= 6 + (((6/6+6) \times ((6 \times 6/(6+6))^6)) + 66) \\
&:= (7/7+7+7) \times (7 \times 7 \times 7 + ((7+7)/7)) \\
&:= (8/8+8) \times (8 \times (8 \times 8+8) - 8/8) \\
&:= (9 \times 9 - 9)^{(9+9)/9} - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5166 &:= (1+1) \times ((11 + (11-1)) \times (1 + (1+11)^{1+1})) \\
&:= (2/2+2)^2 \times (((22+2)^2) - 2) \\
&:= 3 \times ((3 \times 3+3)^3 - (3+3)) \\
&:= 44 + (4^4 \times (4 \times 4+4) + (4+4)/4) \\
&:= 5/5 + ((5 \times (((5-5/5)^5 + 5) + 5)) - 5) \\
&:= 6 + ((66 \times (66+6+6) + 6) + 6) \\
&:= 7 + (((7 \times (7 \times (7 \times (7+7) + 7))) + 7) + 7) \\
&:= (8/8+8) \times (8 \times (8 \times 8+8) - (8+8)/8) \\
&:= (9 - (9+9)/9) \times (9 \times 9 \times 9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5171 &:= 1 + ((1+1) \times (11 \times (11 + ((1+1) \times (1+11)))) \\
&:= (2 \times (2+2+2)^2)^2 - (22/2+2) \\
&:= (3 \times ((3 \times 3+3)^3 - 3)) - (3/3+3) \\
&:= 4 + ((4 \times (((4+4)/4+4)^4 - 4)) - 4/4) \\
&:= 5/5 + (5 \times (((5-5/5)^5 + 5) + 5)) \\
&:= (6 \times (6 \times (6+6) \times (6+6))) - (6/6+6+6) \\
&:= 77 + ((7 \times (777 - 7 \times 7)) - ((7+7)/7)) \\
&:= 8 \times (8 \times (88-8) + 8) - (88+8+8)/8 \\
&:= (9 \times 9 - 9)^{(9+9)/9} - (99+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5176 &:= ((1+1+1) \times (1 + ((1+11)^{1+1+1}))) - 11 \\
&:= 2 \times (2 \times ((2+2+2)^{2+2} - 2)) \\
&:= 3/3 + (3 \times ((3 \times 3+3)^3 - 3)) \\
&:= (4 \times ((4+4)/4+4)^4) - 4 - 4 \\
&:= 55 + (5 \times (5-5/5)^5 + 5/5) \\
&:= (((6+6)/6)^{6+6}) + (6 \times 6 \times (6 \times 6 - 6)) \\
&:= 7 \times 777 - (((7+7)/7)^{7+7/7}) + 7) \\
&:= 8 \times (8 \times (88-8) + 8) - 8 \\
&:= 9/9 + ((9 \times 9 - 9)^{(9+9)/9} - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5167 &:= ((1+1+1) \times (((1+11)^{1+1+1}) - (1+1))) - 11 \\
&:= 2/2 + ((2/2+2)^2 \times (((22+2)^2) - 2)) \\
&:= 3/3 + (3 \times ((3 \times 3+3)^3 - (3+3))) \\
&:= (4 \times (((4+4)/4+4)^4 - 4)) - 4/4 \\
&:= 5^5 + (((5+5)/5)^{55/5} - (5/5+5)) \\
&:= 6 + ((6/6+6+6) \times (6 \times 66+6/6)) \\
&:= 7 + ((7/7+7+7) \times (7 \times 7 \times 7+7/7)) \\
&:= 888/8 + (8 \times (8 \times (88-8) - 8)) \\
&:= 9/9 + ((9 - (9+9)/9) \times (9 \times 9 \times 9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5172 &:= (1+11) \times (((1+1+1) \times (1+11)^{1+1}) - 1) \\
&:= 2 \times (2 \times ((2+2+2)^{2+2} - 2)) - 2) \\
&:= (3 \times ((3 \times 3+3)^3 - 3)) - 3 \\
&:= 4 + (4 \times (((4+4)/4+4)^4 - 4)) \\
&:= 5^5 + (((5+5)/5)^{55/5} - 5/5) \\
&:= (6+6) \times ((6 \times (66+6)) - 6/6) \\
&:= 77 + ((7 \times (777 - 7 \times 7)) - 7/7) \\
&:= 8 \times (8 \times (88-8) + 8) - (88+8)/8 \\
&:= (99+9)/9 \times (((9+9)/9)^9) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5177 &:= ((1+1+1) \times (((1+11)^{1+1+1}) - (1+1))) - 1 \\
&:= 2/2 + (2 \times (2 \times ((2+2+2)^{2+2} - 2))) \\
&:= 3 + ((3 \times ((3 \times 3+3)^3 - 3)) - 3/3) \\
&:= 4 + ((4 \times ((4+4)/4+4)^4) - 44/4) \\
&:= 55 + (5 \times (5-5/5)^5 + ((5+5)/5)) \\
&:= (6 \times (6 \times (6+6) \times (6+6))) - 6/6 - 6 \\
&:= (((7+7)/7 - 7) + 77)^{(7+7)/7} - 7 \\
&:= 8/8 + (8 \times (8 \times (88-8) + 8) - 8) \\
&:= (9+9)/9 + ((9 \times 9 - 9)^{(9+9)/9} - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5178 &:= (1+1+1) \times (((1+11)^{1+1+1}) - (1+1)) \\
&:= 2 + (2 \times (2 \times (2+2+2)^{2+2} - 2)) \\
&:= 3 + (3 \times (3 \times 3+3)^3 - 3) \\
&:= (4 \times ((4+4)/4+4^4) - ((4+4)/4+4) \\
&:= 5 + (((5+5)/5)^{55/5} + 5^5) \\
&:= (6 \times (6 \times (6+6) \times (6+6))) - 6 \\
&:= 7777/7 + (7 \times (7 \times (77+7) - 7)) \\
&:= (8+8)/8 + (8 \times (8 \times (88-8) + 8) - 8) \\
&:= ((9+9+9)/9) + ((9 \times 9 - 9)^{(9+9)/9} - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5179 &:= 1 + ((1+1+1) \times (((1+11)^{1+1+1}) - (1+1))) \\
&:= (2 \times (2+2+2)^2)^2 - 2/2 - 2 - 2 \\
&:= 3 + ((3 \times (3 \times 3+3)^3 - 3) + 3/3) \\
&:= (4 \times ((4+4)/4+4^4) - 4/4 - 4 \\
&:= 5 + ((5 \times (5-5/5)^5 - 5/5) + 55) \\
&:= 6/6 + ((6 \times (6 \times (6+6) \times (6+6))) - 6) \\
&:= 7 + (((7 \times (777-7 \times 7)) - 7/7) + 77) \\
&:= 88/8 + (8 \times (8 \times (88-8) + 8) - (8+8)) \\
&:= ((9-99)/(9+9)) + (9 \times 9 - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5180 &:= ((1+1+1) \times (((1+11)^{1+1+1}) - 1)) - 1 \\
&:= 2 \times (2 \times (2+2+2)^{2+2}) - 2 \\
&:= (3 \times (3 \times 3+3)^3) - (3/3+3) \\
&:= (4 \times ((4+4)/4+4^4) - 4 \\
&:= 5 + (5 \times (5-5/5)^5 + 55) \\
&:= (6+6)/6 + ((6 \times (6 \times (6+6) \times (6+6))) - 6) \\
&:= 7 + ((7 \times (777-7 \times 7)) + 77) \\
&:= 8 \times (8 \times (88-8) + 8) - 8 \times 8/(8+8) \\
&:= (9 - (9+9)/9) \times (9 \times 9 \times 9 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5181 &:= (1+1+1) \times (((1+11)^{1+1+1}) - 1) \\
&:= (2 \times (2+2+2)^2)^2 - 2/2 - 2 \\
&:= (3 \times (3 \times 3+3)^3) - 3 \\
&:= 4/4 + ((4 \times ((4+4)/4+4^4) - 4) \\
&:= 5 + ((5 \times (5-5/5)^5 + 55) + 5/5) \\
&:= (6 \times (6 \times (6+6) \times (6+6))) - 6 \times 6/(6+6) \\
&:= 77/7 \times (((7+7)/7)^7 + 7 \times 7 \times 7) \\
&:= 8 + (8 \times (8 \times (88-8) + 8) - (88/8)) \\
&:= (9 \times 9 - 9)^{(9+9)/9} - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5182 &:= 1 + ((1+1+1) \times (((1+11)^{1+1+1}) - 1)) \\
&:= (2 \times (2+2+2)^2)^2 - 2 \\
&:= 3/3 + ((3 \times (3 \times 3+3)^3) - 3) \\
&:= (4 \times ((4+4)/4+4^4) - (4+4)/4 \\
&:= 5 + ((5 \times (5-5/5)^5 + ((5+5)/5) + 55) \\
&:= (6 \times (6 \times (6+6) \times (6+6))) - (6+6)/6 \\
&:= 77777/7 - 77 \times 77 \\
&:= 8 \times (8 \times (88-8) + 8) - (8+8)/8 \\
&:= (9 \times 9 - 9)^{(9+9)/9} - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5183 &:= ((1+1+1) \times ((1+11)^{1+1+1})) - 1 \\
&:= (2 \times (2+2+2)^2)^2 - 2/2 \\
&:= (3 \times (3 \times 3+3)^3) - 3/3 \\
&:= (4 \times ((4+4)/4+4^4) - 4/4 \\
&:= 5 + (((5+5)/5)^{55/5} + 5^5) + 5 \\
&:= (6 \times (6 \times (6+6) \times (6+6))) - 6/6 \\
&:= 7 \times 777 - (((7+7)/7)^{7+7/7}) \\
&:= 8 \times (8 \times (88-8) + 8) - 8/8 \\
&:= (9 \times 9 - 9)^{(9+9)/9} - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5184 &:= (1+1+1) \times ((1+11)^{1+1+1}) \\
&:= (2 \times (2+2+2)^2)^2 \\
&:= 3 \times (3 \times 3+3)^3 \\
&:= 4 \times ((4+4)/4+4^4) \\
&:= (5-5/5) \times ((5/5+5)^{5-5/5}) \\
&:= 6 \times (6 \times (6+6) \times (6+6)) \\
&:= (((7+7)/7 - 7) + 77)^{(7+7)/7} \\
&:= 8 \times (8 \times (88-8) + 8) \\
&:= (9 \times 9 - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5185 &:= 1 + ((1+1+1) \times ((1+11)^{1+1+1})) \\
&:= 2/2 + (2 \times (2+2+2)^2)^2 \\
&:= 3/3 + (3 \times (3 \times 3+3)^3) \\
&:= 4/4 + (4 \times ((4+4)/4+4^4) \\
&:= 5 + ((5 \times (5-5/5)^5 + 55) + 5) \\
&:= 6/6 + (6 \times (6 \times (6+6) \times (6+6))) \\
&:= 7/7 + (((7+7)/7 - 7) + 77)^{(7+7)/7} \\
&:= 8/8 + 8 \times (8 \times (88-8) + 8) \\
&:= 9/9 + (9 \times 9 - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5186 &:= 1 + (1 + ((1+1+1) \times ((1+11)^{1+1+1}))) \\
&:= 2 + (2 \times (2+2+2)^2)^2 \\
&:= 3 + ((3 \times (3 \times 3+3)^3) - 3/3) \\
&:= (4+4)/4 + (4 \times ((4+4)/4+4^4) \\
&:= 55 + (5 \times (5-5/5)^5 + (55/5)) \\
&:= (6+6)/6 + (6 \times (6 \times (6+6) \times (6+6))) \\
&:= (7 \times ((7 \times (7 \times (7+7) + 7)) + 7)) - (7/7+7) \\
&:= (8+8)/8 + 8 \times (8 \times (88-8) + 8) \\
&:= (9+9)/9 + (9 \times 9 - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5187 &:= (1+1+1) \times (1 + ((1+11)^{1+1+1})) \\
&:= 2 + ((2 \times (2+2+2)^2)^2 + 2/2) \\
&:= 3 + (3 \times (3 \times 3+3)^3) \\
&:= 4 + ((4 \times ((4+4)/4+4^4) - 4/4) \\
&:= 55 + (5 \times (5-5/5)^5 + ((55+5)/5)) \\
&:= (6/6+6) \times (((6 \times 6/(6+6))^6 + 6) + 6) \\
&:= (7 \times ((7 \times (7 \times (7+7) + 7)) + 7)) - 7 \\
&:= 88/8 + (8 \times (8 \times (88-8) + 8) - 8) \\
&:= ((9+9+9)/9) + (9 \times 9 - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5188 &:= 1 + ((1+1+1) \times (1 + ((1+11)^{1+1+1}))) \\
&:= 2 + ((2 \times (2+2+2)^2)^2 + 2) \\
&:= 3 + ((3 \times (3 \times 3+3)^3) + 3/3) \\
&:= 4 + (4 \times ((4+4)/4+4^4) \\
&:= 5 + (((5+5)/5)^{55/5} + 5^5) + 5 + 5 \\
&:= 6 + ((6 \times (6 \times (6+6) \times (6+6))) - ((6+6)/6)) \\
&:= 7/7 + ((7 \times ((7 \times (7 \times (7+7) + 7)) + 7)) - 7) \\
&:= 8 \times 8/(8+8) + 8 \times (8 \times (88-8) + 8) \\
&:= ((9 \times 9 - 9)/(9+9)) + (9 \times 9 - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5189 &:= 1 + (1 + ((1+1+1) \times (1 + ((1+11)^{1+1+1})))) \\
&:= 2 + (((2 \times (2+2+2)^2)^2 + 2/2) + 2) \\
&:= 3 + (((3 \times (3 \times 3+3)^3) - 3/3) + 3) \\
&:= 4 + ((4 \times ((4+4)/4+4^4) + 4/4) \\
&:= 5 + ((5-5/5) \times ((5/5+5)^{5-5/5})) \\
&:= 6 + ((6 \times (6 \times (6+6) \times (6+6))) - 6/6) \\
&:= 7 + (77777/7 - 77 \times 77) \\
&:= ((88-8) \times (8/8+8 \times 8)) - 88/8 \\
&:= 9 + ((9 - (9+9)/9) \times (9 \times 9 \times 9 + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5190 &:= (1+1+1) \times (1 + (1 + ((1+11)^{1+1+1}))) \\
&:= 2 + (((2 \times (2+2+2)^2)^2 + 2) + 2) \\
&:= 3 + ((3 \times (3 \times 3+3)^3) + 3) \\
&:= 4 + ((4 \times ((4+4)/4+4^4) + (4+4)/4) \\
&:= (5+5) \times ((5^5 - 555)/5 + 5) \\
&:= 6 + (6 \times (6 \times (6+6) \times (6+6))) \\
&:= 7 + (7 \times 777 - (((7+7)/7)^{7+7/7})) \\
&:= 8 + (8 \times (8 \times (88-8) + 8) - ((8+8)/8)) \\
&:= 9 + ((9 \times 9 - 9)^{(9+9)/9} - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5191 &:= 1 + ((1+1+1) \times (1 + (1 + ((1+11)^{1+1+1})))) \\
&:= (2 \times (2 \times ((2+2+2)^{2+2} + 2))) - 2/2 \\
&:= 3 + (((3 \times (3 \times 3+3)^3) + 3/3) + 3) \\
&:= 4 + (((4 \times ((4+4)/4+4^4) - 4/4) + 4) \\
&:= 5 + ((5 \times (5-5/5)^5 + (55/5)) + 55) \\
&:= 6 + ((6 \times (6 \times (6+6) \times (6+6))) + 6/6) \\
&:= 7 + (((7+7)/7 - 7) + 77)^{(7+7)/7} \\
&:= 8 + (8 \times (8 \times (88-8) + 8) - 8/8) \\
&:= 9 + ((9 \times 9 - 9)^{(9+9)/9} - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5192 &:= 11 \times (((1+11)^{1+1+1}) - (1+11)) \\
&:= 2 \times (2 \times ((2+2+2)^{2+2} + 2)) \\
&:= 3 \times ((3 \times 3+3)^3 + 3) - 3/3 \\
&:= 4 + ((4 \times ((4+4)/4+4^4) + 4) \\
&:= ((5 - (5+5)/5) + 5) \times ((5^5 - 5)/5 + 5 \times 5) \\
&:= 6 + ((6 \times (6 \times (6+6) \times (6+6))) + ((6+6)/6)) \\
&:= (7/7+7) \times (777 - ((7+7)/7)^7) \\
&:= 8+8 \times (8 \times (88-8) + 8) \\
&:= 9 + ((9 \times 9 - 9)^{(9+9)/9} - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5193 &:= 1 + (11 \times (((11 + 11)^{1+1}) - (1 + 11))) \\
&:= 2/2 + (2 \times (2 \times ((2 + 2 + 2)^{2+2} + 2))) \\
&:= 3 \times ((3 \times 3 + 3)^3 + 3) \\
&:= 4 + (((4 \times ((4 + 4)/4 + 4)^4) + 4/4) + 4) \\
&:= 5 \times 5 + (((((5 + 5)/5)^{55/5}) - 5) + 5^5) \\
&:= 6 + ((6 \times (6 \times (6 + 6) \times (6 + 6))) + (6 \times 6/(6 + 6))) \\
&:= (7 \times ((7 \times (7 \times (7 + 7) + 7)) + 7)) - 7/7 \\
&:= 8 + (8 \times (8 \times (88 - 8) + 8) + 8/8) \\
&:= 9 + (9 \times 9 - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5194 &:= 11 + (((1 + 1 + 1) \times ((1 + 11)^{1+1+1})) - 1) \\
&:= 2 + (2 \times (2 \times ((2 + 2 + 2)^{2+2} + 2))) \\
&:= 3/3 + 3 \times ((3 \times 3 + 3)^3 + 3) \\
&:= (44 - 4)/4 + (4 \times ((4 + 4)/4 + 4)^4) \\
&:= (555/5 - 5) \times (55 - (5/5 + 5)) \\
&:= ((66 - 6)/6) + (6 \times (6 \times (6 + 6) \times (6 + 6))) \\
&:= 7 \times ((7 \times (7 \times (7 + 7) + 7)) + 7) \\
&:= 8 + (8 \times (8 \times (88 - 8) + 8) + ((8 + 8)/8)) \\
&:= 9 + ((9 \times 9 - 9)^{(9+9)/9} + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5195 &:= 11 + ((1 + 1 + 1) \times ((1 + 11)^{1+1+1})) \\
&:= 22/2 + (2 \times (2 + 2 + 2)^2)^2 \\
&:= 33/3 + (3 \times (3 \times 3 + 3)^3) \\
&:= 44/4 + (4 \times ((4 + 4)/4 + 4)^4) \\
&:= 5 \times (((5 - 5/5)^5 + 5) + 5) \\
&:= 66/6 + (6 \times (6 \times (6 + 6) \times (6 + 6))) \\
&:= 7/7 + (7 \times ((7 \times (7 \times (7 + 7) + 7)) + 7)) \\
&:= 88/8 + 8 \times (8 \times (88 - 8) + 8) \\
&:= 99/9 + (9 \times 9 - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5196 &:= 1111 + (((1 + 1)^{1+1+1}) - 11) \\
&:= 2 \times ((2 \times ((2 + 2 + 2)^{2+2} + 2)) + 2) \\
&:= 3 + 3 \times ((3 \times 3 + 3)^3 + 3) \\
&:= ((4 \times 4 + 4) \times (4^4 + 4)) - 4 \\
&:= 5/5 + (5 \times (((5 - 5/5)^5 + 5) + 5) + 5) \\
&:= 6 + ((6 \times (6 \times (6 + 6) \times (6 + 6))) + 6) \\
&:= (7 + 7)/7 + (7 \times ((7 \times (7 \times (7 + 7) + 7)) + 7)) \\
&:= ((88 + 8)/8) + 8 \times (8 \times (88 - 8) + 8) \\
&:= (99 + 9)/9 + (9 \times 9 - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5197 &:= 1 + (1111 + (((1 + 1)^{1+1+1}) - 11)) \\
&:= 2 + ((2 \times (2 + 2 + 2)^2)^2 + 22/2) \\
&:= 3 + (3 \times ((3 \times 3 + 3)^3 + 3) + 3/3) \\
&:= 4/4 + (((4 \times 4 + 4) \times (4^4 + 4)) - 4) \\
&:= 5^5 + ((55 + 5/5) \times (((5 + 5)/5)^5 + 5)) \\
&:= 6 + (((6 \times (6 \times (6 + 6) \times (6 + 6))) + 6/6) + 6) \\
&:= 7 \times 7 + ((7/7 + 77) \times (77 - 77/7)) \\
&:= 88 + (8 \times 8 \times (88 - 8) - (88/8)) \\
&:= ((99 + 9 + 9)/9) + (9 \times 9 - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5198 &:= 11 + ((1 + 1 + 1) \times (1 + ((1 + 11)^{1+1+1}))) \\
&:= (2 \times 22 + 2) \times (222/2 + 2) \\
&:= 3 + ((3 \times (3 \times 3 + 3)^3) + 33/3) \\
&:= ((4 \times 4 + 4) \times (4^4 + 4)) - (4 + 4)/4 \\
&:= 5 \times 5 + (((5 + 5)/5)^{55/5} + 5^5) \\
&:= 6 + (((6 \times (6 \times (6 + 6) \times (6 + 6))) + ((6 + 6)/6)) + 6) \\
&:= 7 + (((7 + 7)/7 - 7) + 77)^{(7+7)/7} + 7) \\
&:= ((88 - 8) \times (8/8 + 8 \times 8)) - (8 + 8)/8 \\
&:= 9 + (((9 - (9 + 9)/9) \times (9 \times 9 \times 9 + (99/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5199 &:= ((1 + 1 + 11) \times ((1 + 1) \times (11 - 1))^{1+1}) - 1 \\
&:= ((22/2 + 2) \times (22 - 2)^2) - 2/2 \\
&:= 3 + (3 \times ((3 \times 3 + 3)^3 + 3) + 3) \\
&:= ((4 \times 4 + 4) \times (4^4 + 4)) - 4/4 \\
&:= 55 + ((5 \times ((5 - 5/5)^5 + 5)) - 5/5) \\
&:= (((6 \times 6 + 66)^{(6+6)/6}) - 6)/(6 + 6)/6) \\
&:= 7 + ((7/7 + 7) \times (777 - ((7 + 7)/7)^7)) \\
&:= ((88 - 8) \times (8/8 + 8 \times 8)) - 8/8 \\
&:= ((9/9 + 9) \times (((9 + 9)/9)^9 + 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5200 &:= (1 + 1 + 11) \times ((1 + 1) \times (11 - 1))^{1+1} \\
&:= (22/2 + 2) \times (22 - 2)^2 \\
&:= 3 + ((3 \times ((3 \times 3 + 3)^3 + 3) + 3/3) + 3) \\
&:= (4 \times 4 + 4) \times (4^4 + 4) \\
&:= 5 \times (5 \times ((5^5 - 5)/(5 + 5 + 5))) \\
&:= 6 + ((6 \times (6 \times (6 + 6) \times (6 + 6))) + ((66 - 6)/6)) \\
&:= (7/7 + 7 \times 7) \times (777/7 - 7) \\
&:= (88 - 8) \times (8/8 + 8 \times 8) \\
&:= (9 - 9/9) \times (9 \times (9 \times 9 - 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5201 &:= 1 + ((1 + 1 + 11) \times ((1 + 1) \times (11 - 1))^{1+1}) \\
&:= (((((2 \times (2 + 2) + 2)^2) + 2)^2) - 2)/2 \\
&:= (3 \times (((3 \times 3 + 3)^3 + 3) + 3)) - 3/3 \\
&:= 4/4 + ((4 \times 4 + 4) \times (4^4 + 4)) \\
&:= 55 + ((5 \times ((5 - 5/5)^5 + 5)) + 5/5) \\
&:= 6 + ((6 \times (6 \times (6 + 6) \times (6 + 6))) + (66/6)) \\
&:= 7 + (7 \times ((7 \times (7 \times (7 + 7) + 7)) + 7)) \\
&:= 8/8 + ((88 - 8) \times (8/8 + 8 \times 8)) \\
&:= 9 \times 9 + ((9/9 + 9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5202 &:= ((1 + (1 + (11 - 1)^{1+1}))^{1+1})/(1 + 1) \\
&:= (((2 \times (2 + 2) + 2)^2) + 2)^2/2 \\
&:= 3 \times (((3 \times 3 + 3)^3 + 3) + 3) \\
&:= (4 + 4)/4 + ((4 \times 4 + 4) \times (4^4 + 4)) \\
&:= 55 + ((5 \times ((5 - 5/5)^5 + 5)) + ((5 + 5)/5)) \\
&:= 6 + (((6 \times (6 \times (6 + 6) \times (6 + 6))) + 6) + 6) \\
&:= 7 + ((7 \times ((7 \times (7 \times (7 + 7) + 7)) + 7)) + 7/7) \\
&:= (8 + 8)/8 + ((88 - 8) \times (8/8 + 8 \times 8)) \\
&:= 9 + ((9 \times 9 - 9)^{(9+9)/9} + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5203 &:= 11 \times (((11 + 11)^{1+1}) - 11) \\
&:= 22/2 \times (22^2 - 22/2) \\
&:= 3/3 + (3 \times (((3 \times 3 + 3)^3 + 3) + 3)) \\
&:= 4 + (((4 \times 4 + 4) \times (4^4 + 4)) - 4/4) \\
&:= 5 + (((5 + 5)/5)^{55/5} + 5^5) + 5 \times 5) \\
&:= 6 + (((6 \times (6 \times (6 + 6) \times (6 + 6))) + 6/6) + 6) + 6) \\
&:= ((7/7 - 7) + 7 \times 7) \times (((7 + 7)/7)^7 - 7) \\
&:= 8 + (8 \times (8 \times (88 - 8) + 8) + (88/8)) \\
&:= 9 + (((9 \times 9 - 9)^{(9+9)/9} + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5204 &:= 1 + (11 \times (((11 + 11)^{1+1}) - 11)) \\
&:= 2 + (((((2 \times (2 + 2) + 2)^2) + 2)^2)/2) \\
&:= 33/3 + 3 \times ((3 \times 3 + 3)^3 + 3) \\
&:= 4 + ((4 \times 4 + 4) \times (4^4 + 4)) \\
&:= (5 - 5/5) \times (((5/5 + 5)^{5-5/5}) + 5) \\
&:= (6 - ((6 + 6)/6)) \times ((6 \times 6 \times 6 - 6/6) + 6) \\
&:= ((77 - 7)/7) + (7 \times ((7 \times (7 \times (7 + 7) + 7)) + 7)) \\
&:= 8 + (8 \times (8 \times (88 - 8) + 8) + ((88 + 8)/8)) \\
&:= 9 + ((9 \times 9 - 9)^{(9+9)/9} + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5205 &:= 1111 + ((1 + 1) \times ((1 + 1)^{1+1} - 1)) \\
&:= 2 + (22/2 \times (22^2 - 22/2)) \\
&:= 3 + (3 \times (((3 \times 3 + 3)^3 + 3) + 3)) \\
&:= 4 + (((4 \times 4 + 4) \times (4^4 + 4)) + 4/4) \\
&:= 5 + ((5 \times ((5 - 5/5)^5 + 5)) + 55) \\
&:= (((6 \times 6 + 66)^{(6+6)/6}) + 6)/(6 + 6)/6) \\
&:= 77/7 + (7 \times ((7 \times (7 \times (7 + 7) + 7)) + 7)) \\
&:= 8 + ((8 \times 8 \times (88 - 8) - (88/8)) + 88) \\
&:= 9 + ((9 \times 9 - 9)^{(9+9)/9} + (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5206 &:= 1111 + (((1 + 1)^{1+1+1}) - 1) \\
&:= 22 + (2 \times (2 + 2 + 2)^2)^2 \\
&:= 3 + ((3 \times (((3 \times 3 + 3)^3 + 3) + 3)) + 3/3) \\
&:= (4 + 4)^4 + (4444 - 4)/4 \\
&:= 555 + ((5/5 + 5)^5 - 5^5) \\
&:= ((6 + 6)/6) \times ((6 \times (6 \times (66 + 6))) + (66/6)) \\
&:= (77 + 7)/7 + (7 \times ((7 \times (7 \times (7 + 7) + 7)) + 7)) \\
&:= 88 + (8 \times 8 \times (88 - 8) - ((8 + 8)/8)) \\
&:= ((99 + 99)/9) + (9 \times 9 - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5207 &:= 1111 + ((1 + 1)^{1+1+1}) \\
&:= 22 + ((2 \times (2 + 2 + 2)^2)^2 + 2/2) \\
&:= 3 + (3 \times ((3 \times 3 + 3)^3 + 3) + 33/3) \\
&:= (4 + 4)^4 + 4444/4 \\
&:= 55 + (5 \times (5 - 5/5)^5 + ((5 + 5)/5)^5) \\
&:= (((6 + 6)/6)^{6+6}) + (6666/6) \\
&:= 7 + ((7/7 + 7 \times 7) \times (777/7 - 7)) \\
&:= 88 + (8 \times 8 \times (88 - 8) - 8/8) \\
&:= 9999/9 + ((9 - 9/9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5208 &:= 1 + (1111 + ((1 + 1)^{1+11})) \\
&:= 2 + ((2 \times (2 + 2 + 2)^2) + 22) \\
&:= 3^3 + ((3 \times (3 \times 3 + 3)^3) - 3) \\
&:= 4 + (((4 \times 4 + 4) \times (4^4 + 4)) + 4) \\
&:= (5/5 + 5) \times (((5 - (5 + 5)/5)^5) + 5^5/5) \\
&:= 66 + (66 \times (66 + 6 + 6) - 6) \\
&:= 7 + ((7 \times ((7 \times (7 \times (7 + 7) + 7)) + 7)) + 7) \\
&:= 88 + 8 \times 8 \times (88 - 8) \\
&:= (9 - 9/9) \times (9 \times (9 \times 9 - 9) + ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5209 &:= 1 + (1 + (1111 + ((1 + 1)^{1+11}))) \\
&:= 2 + (((2 \times (2 + 2 + 2)^2) + 22) + 2/2) \\
&:= 3^3 + (((3 \times (3 \times 3 + 3)^3) - 3) + 3/3) \\
&:= 4 + (((4 \times 4 + 4) \times (4^4 + 4)) + 4/4 + 4) \\
&:= 5 + ((5 - 5/5) \times (((5/5 + 5)^{5-5/5}) + 5)) \\
&:= (6 \times ((6 \times (6 + 6) \times (6 + 6)) + 6)) - 66/6 \\
&:= 7 + (((7 \times ((7 \times (7 \times (7 + 7) + 7)) + 7)) + 7/7) + 7) \\
&:= 8/8 + (8 \times 8 \times (88 - 8) + 88) \\
&:= ((9/9 + 9) \times (((9 + 9)/9)^9 + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5210 &:= 1 + (1 + (1 + (1111 + ((1 + 1)^{1+11})))) \\
&:= 2 + (((2 \times (2 + 2 + 2)^2) + 22) + 2) \\
&:= 3^3 + ((3 \times (3 \times 3 + 3)^3) - 3/3) \\
&:= 4 + ((4444 - 4)/4 + (4 + 4)^4) \\
&:= 5 \times ((5^5 + 5/5)/(5 - (5 + 5)/5)) \\
&:= (6 - 66)/6 + (6 \times ((6 \times (6 + 6) \times (6 + 6)) + 6)) \\
&:= (777/7 \times 7 \times 7 - ((7 + 7)/7)) - 7 \\
&:= 88 + (8 \times 8 \times (88 - 8) + ((8 + 8)/8)) \\
&:= (9/9 + 9) \times (((9 + 9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5211 &:= 1111 + ((1 + 1) \times (1 + (1 + (1 + 1)^{11}))) \\
&:= (((22^{2/2+2}) - 222)/2) - 2 \\
&:= 3 \times ((3 \times 3 + 3)^3 + 3 \times 3) \\
&:= 4 + (4444/4 + (4 + 4)^4) \\
&:= 5 + (((5/5 + 5)^5 - 5^5) + 555) \\
&:= (666/6 \times (66/6 + 6 \times 6)) - 6 \\
&:= 77 + ((7 \times (7 \times (7 \times (7 + 7) + 7))) - (77/7)) \\
&:= 88/8 + ((88 - 8) \times (8/8 + 8 \times 8)) \\
&:= 9 + (((9 \times 9 - 9)^{(9+9)/9} + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5212 &:= (11 \times ((11 + 11)^{1+1})) - (1 + 111) \\
&:= (22 \times ((22^2 - 2)/2 - (2 + 2))) - 2 \\
&:= 3^3 + ((3 \times (3 \times 3 + 3)^3) + 3/3) \\
&:= 4 + (((4 \times 4 + 4) \times (4^4 + 4)) + 4) + 4 \\
&:= 5 + (((5/5 + 5)^5 - 5^5) + 555) + 5/5 \\
&:= ((6 + 6)/6)^6 + 66 \times (66 + 6 + 6) \\
&:= 7 + ((7 \times ((7 \times (7 \times (7 + 7) + 7)) + 7)) + (77/7)) \\
&:= 88 + (8 \times 8 \times (88 - 8) + 8 \times 8/(8 + 8)) \\
&:= 9 + (((9 \times 9 - 9)^{(9+9)/9} + 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5213 &:= (11 \times ((11 + 11)^{1+1})) - 111 \\
&:= ((22^{2/2+2}) - 222)/2 \\
&:= 3 + (((3 \times (3 \times 3 + 3)^3) - 3/3) + 3^3) \\
&:= (444/4 \times (44 - 4/4 + 4)) - 4 \\
&:= (55 \times (5 \times (5 \times 5 - 5) - 5)) - (55 + 5)/5 \\
&:= 66 + (66 \times (66 + 6 + 6) - 6/6) \\
&:= (7 \times (777 - (7 + 7))) - ((7 + 7)/7)^7 \\
&:= 8 + (((8 \times 8 \times (88 - 8) - (88/8)) + 88) + 8) \\
&:= 9 + (((9 \times 9 - 9)^{(9+9)/9} + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5214 &:= 11 \times (1 + (((11 + 11)^{1+1}) - 11)) \\
&:= 22 \times ((22^2 - 2)/2 - (2 + 2)) \\
&:= 3 + ((3 \times (3 \times 3 + 3)^3) + 3^3) \\
&:= 4 + (((4444 - 4)/4 + (4 + 4)^4) + 4) \\
&:= (55 \times (5 \times (5 \times 5 - 5) - 5)) - 55/5 \\
&:= 66 + 66 \times (66 + 6 + 6) \\
&:= (77 - 77/7) \times ((7 + 7)/7 + 77) \\
&:= (((8 + 8)/8) + 8 \times 8) \times (88 - (8/8 + 8)) \\
&:= 999/9 + (9 \times (9 \times (9 \times 9 - (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5215 &:= 1 + (11 \times (1 + (((11 + 11)^{1+1}) - 11))) \\
&:= 2 + (((22^{2/2+2}) - 222)/2) \\
&:= 3 + (((3 \times (3 \times 3 + 3)^3) + 3^3) + 3/3) \\
&:= 4 + ((4444/4 + (4 + 4)^4) + 4) \\
&:= (55 \times (5 \times (5 \times 5 - 5) - 5)) - 5 - 5 \\
&:= 66 + (66 \times (66 + 6 + 6) + 6/6) \\
&:= 77 + ((7 \times (7 \times (7 \times (7 + 7) + 7))) - 7) \\
&:= 8 + ((8 \times 8 \times (88 - 8) - 8/8) + 88) \\
&:= ((999 + 9)/9) + (9 \times (9 \times (9 \times 9 - (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5216 &:= ((1 + 1)^{1+11}) + ((11 - 1) \times (1 + 111)) \\
&:= 2^{2+2} \times (((2^{2+2} + 2)^2) + 2) \\
&:= 33 + ((3 \times (3 \times 3 + 3)^3) - 3/3) \\
&:= 4 \times (((4 + 4)/4 + 4)^4 + 4) + 4 \\
&:= 5^5 + (5^5 - (((5 - 5/5)^5 + 5) + 5)) \\
&:= 66 + (66 \times (66 + 6 + 6) + ((6 + 6)/6)) \\
&:= 7/7 + (((7 \times (7 \times (7 \times (7 + 7) + 7))) - 7) + 77) \\
&:= 8 + (8 \times 8 \times (88 - 8) + 88) \\
&:= 99 + ((9 - (9 + 9)/9) \times (9 \times 9 \times 9 + ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5217 &:= (1 + 1 + 1) \times (11 + ((1 + 11)^{1+1+1})) \\
&:= 222/2 \times ((2 \times 22 + 2/2) + 2) \\
&:= 33 + (3 \times (3 \times 3 + 3)^3) \\
&:= 444/4 \times (44 - 4/4 + 4) \\
&:= 555/5 \times (((5 + 5)/5)^5 + 5) + 5) + 5) \\
&:= 666/6 \times (66/6 + 6 \times 6) \\
&:= 777/7 \times 7 \times 7 - (7 + 7)/7 \\
&:= 8 + ((8 \times 8 \times (88 - 8) + 88) + 8/8) \\
&:= 999/9 \times (((99/9 + 9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5218 &:= 11 + (1111 + ((1 + 1)^{1+11})) \\
&:= 2 + (2^{2+2} \times (((2^{2+2} + 2)^2) + 2)) \\
&:= 3/3 + ((3 \times (3 \times 3 + 3)^3) + 33) \\
&:= (4 + 4)^4 + (4444 + 44)/4 \\
&:= 5555 + (((5 - 5^5)/(5 + 5)) - 5 \times 5) \\
&:= (6 \times ((6 \times (6 + 6) \times (6 + 6)) + 6)) - (6 + 6)/6 \\
&:= 7/7 + (777/7 \times 7 \times 7 - ((7 + 7)/7)) \\
&:= 8 + ((8 \times 8 \times (88 - 8) + ((8 + 8)/8)) + 88) \\
&:= 9 + (((9/9 + 9) \times (((9 + 9)/9)^9 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5219 &:= 1 + (11 + (1111 + ((1 + 1)^{1+11}))) \\
&:= 2 + (222/2 \times ((2 \times 22 + 2/2) + 2)) \\
&:= 3 + (((3 \times (3 \times 3 + 3)^3) - 3/3) + 33) \\
&:= ((4/4 + 4) \times (4 \times (4^4 + 4) + 4)) - 4/4 \\
&:= (55 \times (5 \times (5 \times 5 - 5) - 5)) - (5/5 + 5) \\
&:= (6 \times ((6 \times (6 + 6) \times (6 + 6)) + 6)) - 6/6 \\
&:= ((7/7 + 77) \times ((77/7 + 7 \times 7) + 7)) - 7 \\
&:= 88 + (8 \times 8 \times (88 - 8) + (88/8)) \\
&:= 9 + ((9/9 + 9) \times (((9 + 9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5220 &:= (11 - 1) \times (11 + ((1 + 1)^{11-1-1} - 1)) \\
&:= 2 \times ((2 \times ((2 + 2 + 2)^{2+2} - 2)) + 22) \\
&:= 3 + ((3 \times (3 \times 3 + 3)^3) + 33) \\
&:= (4/4 + 4) \times (4 \times (4^4 + 4) + 4) \\
&:= 5 \times (((5 - 5/5)^5 - 5) + 5 \times 5) \\
&:= 6 \times ((6 \times (6 + 6) \times (6 + 6)) + 6) \\
&:= 7 + ((7 \times (777 - (7 + 7))) - ((7 + 7)/7)^7) \\
&:= (8/8 - 88) \times (8 \times 8/(8 + 8) - 8 \times 8) \\
&:= (99/9 + 9) \times (9 \times (9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5221 &:= 1 + ((11 - 1) \times (11 + ((1 + 1)^{11-1-1} - 1))) \\
&:= 222 + (((2 \times (2 + 2) + 2)^{2+2} - 2)/2) \\
&:= 3 + (((3 \times (3 \times 3 + 3)^3) + 33) + 3/3) \\
&:= 4 + (444/4 \times (44 - 4/4 + 4)) \\
&:= 5^5 + (5^5 - ((5 - 5/5)^5 + 5)) \\
&:= 6/6 + (6 \times ((6 \times (6 + 6) \times (6 + 6)) + 6)) \\
&:= 77 + ((7 \times (7 \times (7 \times (7 + 7) + 7))) - 7/7) \\
&:= 8 \times 8 \times (88 - 8) + (8888/88) \\
&:= 9/9 + ((99/9 + 9) \times (9 \times (9 + 9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5222 &:= 1 + (1 + ((11 - 1) \times (11 + ((1 + 1)^{11-1-1} - 1)))) \\
&:= 22 + ((22/2 + 2) \times (22 - 2)^2) \\
&:= 3^3 + ((3 \times (3 \times 3 + 3)^3) + 33/3) \\
&:= 4 + ((4444 + 44)/4 + (4 + 4)^4) \\
&:= 5^5 + ((5/5 - ((5 - 5/5)^5 + 5)) + 5^5) \\
&:= (6 + 6)/6 + (6 \times ((6 \times (6 + 6) \times (6 + 6)) + 6)) \\
&:= 77 + (7 \times (7 \times (7 \times (7 + 7) + 7))) \\
&:= 8 + (((8 + 8)/8) + 8 \times 8) \times (88 - (8/8 + 8)) \\
&:= (9 - (9 + 9)/9) \times (((9 \times 9 \times 9 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5223 &:= (1+1+1) \times (1+(1+(11+((1+11)^{1+1+1})))) \\
&:= 22 + (((((2 \times (2+2) + 2)^2) + 2)^2) - 2)/2 \\
&:= 3 + (((3 \times (3 \times 3 + 3)^3) + 33) + 3) \\
&:= 4 \times 4 + (4444/4 + (4+4)^4) \\
&:= (55 \times (5 \times (5 \times 5 - 5) - 5)) - (5+5)/5 \\
&:= 6 + (666/6 \times (66/6 + 6 \times 6)) \\
&:= 7/7 + ((7 \times (7 \times (7 \times (7+7) + 7))) + 77) \\
&:= 888/8 + (8 \times 8 \times (88 - 8) - 8) \\
&:= 9 + ((9 \times (9 \times (9 \times 9 - (9+9)))) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5224 &:= (11 \times (1 + ((11+11)^{1+1}))) - 111 \\
&:= 2 \times (((2 \times (2+2+2)^{2+2}) - 2) + 22) \\
&:= 3 + (((3 \times (3 \times 3 + 3)^3) + 33) + 3/3 + 3) \\
&:= 4 + ((4/4 + 4) \times (4 \times (4^4 + 4) + 4)) \\
&:= (55 \times (5 \times (5 \times 5 - 5) - 5)) - 5/5 \\
&:= 6 + ((6 \times ((6 \times (6+6) \times (6+6)) + 6)) - ((6+6)/6)) \\
&:= 7 + (777/7 \times 7 \times 7 - ((7+7)/7)) \\
&:= 8 + ((8 \times 8 \times (88 - 8) + 88) + 8) \\
&:= 9 + ((9 \times (9 \times (9 \times 9 - (9+9)))) + ((999+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5225 &:= 11 \times (1 + (1 + ((11+11)^{1+1}) - 11)) \\
&:= 22/2 \times ((22^2 - 22/2) + 2) \\
&:= 33 + (3 \times ((3 \times 3 + 3)^3 + 3) - 3/3) \\
&:= (4/4 + 4) \times ((4 \times (4^4 + 4) + 4/4) + 4) \\
&:= 55 \times (5 \times (5 \times 5 - 5) - 5) \\
&:= 6 + ((6 \times ((6 \times (6+6) \times (6+6)) + 6)) - 6/6) \\
&:= 77 + ((7/7 + 77) \times (77 - 77/7)) \\
&:= (8 \times 8 - (8/8 + 8)) \times (88 - 8/8 + 8) \\
&:= 99/9 \times ((9+9) \times (9+9+9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5226 &:= 1 + (11 \times (1 + (1 + ((11+11)^{1+1}) - 11))) \\
&:= (22/2 + 2) \times ((22 - 2)^2 + 2) \\
&:= 33 + 3 \times ((3 \times 3 + 3)^3 + 3) \\
&:= 44 + ((4 \times ((4+4)/4 + 4)^4) - (4+4)/4) \\
&:= 5^5 + (5^5 - (5 - 5/5)^5) \\
&:= 6 + (6 \times ((6 \times (6+6) \times (6+6)) + 6)) \\
&:= (7/7 + 77) \times ((77/7 + 7 \times 7) + 7) \\
&:= (8 - (8+8)/8) \times (888 - (8/8 + 8 + 8)) \\
&:= 9 \times (((9+9)/9)^9 + 9 \times 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5227 &:= 1111 + ((1+1) \times (11 + ((1+1)^{11} - 1))) \\
&:= 2 + (22/2 \times ((22^2 - 22/2) + 2)) \\
&:= 3/3 + (3 \times ((3 \times 3 + 3)^3 + 3) + 33) \\
&:= 44 + ((4 \times ((4+4)/4 + 4)^4) - 4/4) \\
&:= 5^5 + ((5/5 - (5 - 5/5)^5) + 5^5) \\
&:= 6 + ((6 \times ((6 \times (6+6) \times (6+6)) + 6)) + 6/6) \\
&:= 7777/7 + 7 \times 7 \times (77 + 7) \\
&:= 8 + ((8 \times 8 \times (88 - 8) + (88/8)) + 88) \\
&:= 9 + (((9/9+9) \times ((9+9)/9)^9 + 9) - 9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5228 &:= 11 + ((1+1+1) \times (11 + ((1+11)^{1+1+1}))) \\
&:= 2 \times ((2 \times (2+2+2)^{2+2}) + 22) \\
&:= 33 + ((3 \times (3 \times 3 + 3)^3) + 33/3) \\
&:= 44 + (4 \times ((4+4)/4 + 4)^4) \\
&:= 55 + (((5+5)/5)^{55/5} + 5^5) \\
&:= 6 + ((6 \times ((6 \times (6+6) \times (6+6)) + 6)) + ((6+6)/6)) \\
&:= 7 + (((7 \times (7 \times (7 \times (7+7) + 7))) - 7/7) + 77) \\
&:= 8 + ((8/8 - 88) \times (8 \times 8/(8+8) - 8 \times 8)) \\
&:= 9 + (((9/9+9) \times ((9+9)/9)^9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5229 &:= 1111 + ((1+1) \times (11 + (1+1)^{11})) \\
&:= 2/2 + ((2 \times (2+2+2)^2) + 2 \times 22) \\
&:= 3 + (3 \times ((3 \times 3 + 3)^3 + 3) + 33) \\
&:= 44 + ((4 \times ((4+4)/4 + 4)^4) + 4/4) \\
&:= 5 + ((55 \times (5 \times (5 \times 5 - 5) - 5)) - 5/5) \\
&:= 6 + ((666/6 \times (66/6 + 6 \times 6)) + 6) \\
&:= 7 + ((7 \times (7 \times (7 \times (7+7) + 7))) + 77) \\
&:= (8 \times 8 - 8/8) \times ((88/8 + 8 \times 8) + 8) \\
&:= (9 - (9+9)/9) \times ((9 \times 9 \times 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5230 &:= (11 - 1) \times (11 + (1+1)^{11-1-1}) \\
&:= ((22+2) \times (222 - 2 - 2)) - 2 \\
&:= (3 \times 3 \times 3^{3+3}) - (33/3)^3 \\
&:= 4^4 \times (4 \times 4 + 4) + (444 - 4)/4 \\
&:= 5 + (55 \times (5 \times (5 \times 5 - 5) - 5)) \\
&:= (6 - 6/6) \times ((6666 + 6)/6 - 66) \\
&:= (7 \times (777 - (7+7))) - 777/7 \\
&:= (((8+8)/8) + 8) \times (8 \times 8 \times 8 + 88/8) \\
&:= (9/9 + 9) \times (((9+9)/9)^9 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5231 &:= 1 + ((11 - 1) \times (11 + (1+1)^{11-1-1})) \\
&:= ((22+2) \times (222 - 2 - 2)) - 2/2 \\
&:= 3 + (((3 \times (3 \times 3 + 3)^3) + 33/3) + 33) \\
&:= 444/4 + 4^4 \times (4 \times 4 + 4) \\
&:= 5 + ((5^5 - (5 - 5/5)^5) + 5^5) \\
&:= 66/6 + (6 \times ((6 \times (6+6) \times (6+6)) + 6)) \\
&:= 7 + ((777/7 \times 7 \times 7 - ((7+7)/7)) + 7) \\
&:= 888/8 + 8 \times 8 \times (88 - 8) \\
&:= 999/9 + ((9/9+9) \times ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5232 &:= (1+1) \times ((1+1) \times ((1+11) \times (111 - 1 - 1))) \\
&:= (22+2) \times (222 - 2 - 2) \\
&:= (3^3 - 3) \times (((3+3)^3 - 3/3) + 3) \\
&:= ((4+4) + 4) \times (444 - (4+4)) \\
&:= 5 \times (5 - 5/5)^5 + (555 + 5)/5 \\
&:= 6 + ((6 \times ((6 \times (6+6) \times (6+6)) + 6)) + 6) \\
&:= (7 \times 7 - 7/7) \times (77/7 + 7 \times (7+7)) \\
&:= (8 - (8+8)/8) \times (888 - 8 - 8) \\
&:= 9 + (((9 \times (9 \times (9 \times 9 - (9+9)))) + 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5233 &:= 1 + ((1+1) \times ((1+1) \times ((1+11) \times (111 - 1 - 1)))) \\
&:= 2/2 + ((22+2) \times (222 - 2 - 2)) \\
&:= 3 + ((3 \times 3 \times 3^{3+3}) - (33/3)^3) \\
&:= 4/4 + (((4+4) + 4) \times (444 - (4+4))) \\
&:= 5 + (((5+5)/5)^{55/5} + 5^5) + 55 \\
&:= 6 + (((6 \times ((6 \times (6+6) \times (6+6)) + 6)) + 6/6) + 6) \\
&:= 7 + ((7/7 + 77) \times ((77/7 + 7 \times 7) + 7)) \\
&:= 8 + ((8 \times 8 - (8/8 + 8)) \times (88 - 8/8 + 8)) \\
&:= 9 \times 9 \times (9 \times 9 + 9) - (((9+9)/9)^{99/9} + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5234 &:= (1+1) \times (1 + ((1+1) \times ((1+11) \times (111 - 1 - 1)))) \\
&:= 2 + ((22+2) \times (222 - 2 - 2)) \\
&:= 33 + ((3 \times ((3 \times 3 + 3)^3 + 3) + 3) - 3/3) \\
&:= 4 + (4^4 \times (4 \times 4 + 4) + (444 - 4)/4) \\
&:= (5 \times ((5 - 5/5)^5 + 5 \times 5)) - 55/5 \\
&:= (((6+6)/6 + 6) \times (666 - 66/6)) - 6 \\
&:= 7 \times 777 - (((7+7)/7)^7 + 77) \\
&:= ((8 - (8+8)/8) \times (888 - 8/8)) - 88 \\
&:= 9 + ((99/9) \times ((9+9) \times (9+9+9) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5235 &:= (11 \times (1 + (1 + ((11+11)^{1+1}))) - 111) \\
&:= (2 \times (22 \times ((22/2)^2 - 2))) - 2/2 \\
&:= 33 + (3 \times (((3 \times 3 + 3)^3 + 3) + 3)) \\
&:= 4 + (4^4 \times (4 \times 4 + 4) + 444/4) \\
&:= 5 + ((55 \times (5 \times (5 \times 5 - 5) - 5)) + 5) \\
&:= 6 + (((666/6 \times (66/6 + 6 \times 6)) + 6) + 6) \\
&:= (7/7 + 7 + 7) \times ((7 \times 7 \times 7 - 7/7) + 7) \\
&:= 8 + (((8 \times 8 \times (88 - 8) + (88/8)) + 88) + 8) \\
&:= (99 \times (9 \times 9 - (9+9+9))) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5236 &:= (1+1) \times ((1+1) \times 11 \times (11^{1+1} - 1 - 1)) \\
&:= 2 \times (22 \times ((22/2)^2 - 2)) \\
&:= (33 \times ((3+3) \times 3^3 - 3)) - 33/3 \\
&:= 44 \times ((444/4 + 4) + 4) \\
&:= 5 + (((5^5 - (5 - 5/5)^5) + 5^5) + 5) \\
&:= (66/6 + 66) \times (((6+6)/6) + 66) \\
&:= 77 \times (77 - ((7+7)/7 + 7)) \\
&:= 88/8 \times (88 \times 88/(8+8) - 8) \\
&:= 99/9 \times (((9+9)/9)^9) - ((9+9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5237 &:= 1 + ((1+1) \times ((1+1) \times 11 \times (11^{1+1} - 1 - 1))) \\
&:= 2/2 + (2 \times (22 \times ((22/2)^2 - 2))) \\
&:= (3 \times ((3 \times 3 + 3)^3 + (3 \times (3+3)))) - 3/3 \\
&:= 4/4 + (44 \times ((444/4 + 4) + 4)) \\
&:= 5555 - ((5^5 + 5)/(5+5) + 5) \\
&:= 6 + ((6 \times ((6 \times (6+6) \times (6+6)) + 6)) + (66/6)) \\
&:= 7/7 + (77 \times (77 - ((7+7)/7 + 7))) \\
&:= (8 \times ((8 \times (88 - 8) + 8) + 8)) - 88/8 \\
&:= 9 + (((9/9+9) \times ((9+9)/9)^9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5238 &:= (1+1) \times (1 + ((1+1) \times 11 \times (11^{1+1} - 1 - 1))) \\
&:= 2 + (2 \times (22 \times ((22/2)^2 - 2))) \\
&:= 3 \times ((3 \times 3 + 3)^3 + (3 \times (3 + 3))) \\
&:= (4+4)/4 + (44 \times ((444/4 + 4) + 4)) \\
&:= 5555 + (((5 - 5^5)/(5+5)) - 5) \\
&:= 6 + (((6 \times ((6 \times (6+6) \times (6+6)) + 6)) + 6) + 6) + 6) \\
&:= (7+7)/7 + (77 \times (77 - ((7+7)/7 + 7))) \\
&:= 8 + (8 \times 8 \times (88 - 8) + (888 - 8)/8) \\
&:= 99 \times (9 \times 9 - 9 - 9) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5239 &:= (1+1+11)^{1+1} \times (1 + ((11-1) \times (1+1+1))) \\
&:= 2 + ((2 \times (22 \times ((22/2)^2 - 2))) + 2/2) \\
&:= 3/3 + (3 \times ((3 \times 3 + 3)^3 + (3 \times (3 + 3)))) \\
&:= 4 + ((4^4 \times (4 \times 4 + 4) + 444/4) + 4) \\
&:= (5 \times ((5 - 5/5)^5 + 5 \times 5)) - (5/5 + 5) \\
&:= (6/6 + 6 + 6) \times ((6 \times 66 + 6/6) + 6) \\
&:= 7 + ((7 \times 7 - 7/7) \times (77/7 + 7 \times (7 + 7))) \\
&:= 8 + (8 \times 8 \times (88 - 8) + 888/8) \\
&:= 9 \times (9 \times (9 \times 9 - 9) - 9) - ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5240 &:= (11-1) \times (1 + (11 + (1+1)^{11-1-1})) \\
&:= 2 \times (22 \times ((22/2)^2 - 2) + 2) \\
&:= 3 + ((3 \times ((3 \times 3 + 3)^3 + (3 \times (3 + 3)))) - 3/3) \\
&:= 4 + (44 \times ((444/4 + 4) + 4)) \\
&:= (5 \times ((5 - 5/5)^5 + 5 \times 5)) - 5 \\
&:= ((6+6)/6 + 6) \times (666 - 66/6) \\
&:= ((77 - 7)/7) \times (7 \times 77 - (7/7 + 7 + 7)) \\
&:= (8 \times ((8 \times (88 - 8) + 8) + 8)) - 8 \\
&:= (9 - 9/9) \times ((9 \times (9 \times 9 - 9) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5241 &:= 1 + ((11-1) \times (1 + (11 + (1+1)^{11-1-1}))) \\
&:= 2/2 + (2 \times ((22 \times ((22/2)^2 - 2) + 2)) \\
&:= 3 + (3 \times ((3 \times 3 + 3)^3 + (3 \times (3 + 3)))) \\
&:= 4 + ((44 \times ((444/4 + 4) + 4)) + 4/4) \\
&:= 5/5 + ((5 \times ((5 - 5/5)^5 + 5 \times 5)) - 5) \\
&:= 6/6 + (((6+6)/6 + 6) \times (666 - 66/6)) \\
&:= (((7+7)/7)^7 \times (7 \times 7 - (7/7 + 7))) - 7 \\
&:= 8/8 + ((8 \times ((8 \times (88 - 8) + 8) + 8)) - 8) \\
&:= 9 \times 9 \times 9 \times 9 - 99/9 \times (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5242 &:= 1 + (1 + ((11-1) \times (1 + (11 + (1+1)^{11-1-1})))) \\
&:= 2 + (2 \times ((22 \times ((22/2)^2 - 2) + 2)) \\
&:= 3 + ((3 \times ((3 \times 3 + 3)^3 + (3 \times (3 + 3)))) + 3/3) \\
&:= 44 + (((4 \times 4 + 4) \times (4^4 + 4)) - (4 + 4)/4) \\
&:= 5555 - (5^5 + 5)/(5 + 5) \\
&:= 6 + ((66/6 + 66) \times (((6+6)/6) + 66)) \\
&:= 77 \times 77 - ((7 \times 7 \times (7 + 7)) + 7/7) \\
&:= (8+8)/8 + ((8 \times ((8 \times (88 - 8) + 8) + 8)) - 8) \\
&:= 9 \times 9 \times (9 \times 9 + 9) - (((9+9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5243 &:= 11 + ((1+1) \times ((1+1) \times ((1+11) \times (111 - 1 - 1)))) \\
&:= 22/2 + ((22 + 2) \times (222 - 2 - 2)) \\
&:= 333 + ((33/3 + 3 + 3)^3 - 3) \\
&:= 44 + (((4 \times 4 + 4) \times (4^4 + 4)) - 4/4) \\
&:= 5555 + ((5 - 5^5)/(5 + 5)) \\
&:= 66 + ((6 \times (6 \times (6+6) \times (6+6))) - (6/6 + 6)) \\
&:= 7 \times (((7 \times (7 \times (7+7) + 7)) + 7) + 7) \\
&:= (8 - 8/8) \times (8 \times (88 + 8) - (88/8 + 8)) \\
&:= (9 - (9+9)/9) \times ((9 \times 9 \times 9 + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5244 &:= (1+1) \times ((1 + (11 + 11)) \times (1 + 1 + 1 + 111)) \\
&:= 2 \times ((22 - 2)^2 + 2222) \\
&:= (33 \times ((3 + 3) \times 3^3 - 3)) - 3 \\
&:= 44 + ((4 \times 4 + 4) \times (4^4 + 4)) \\
&:= (5 \times ((5 - 5/5)^5 + 5 \times 5)) - 5/5 \\
&:= 66 + ((6 \times (6 \times (6+6) \times (6+6))) - 6) \\
&:= (7/7 - 77) \times ((7/7 - 77) + 7) \\
&:= 8 + (88/8 \times (88 \times 88/(8+8) - 8)) \\
&:= 9 + ((99 \times (9 \times 9 - (9+9+9))) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5245 &:= ((1+11^{1+1}) \times (((1+1) \times (11+11)) - 1)) - 1 \\
&:= 2/2 + (2 \times ((22 - 2)^2 + 2222)) \\
&:= 3/3 + ((33 \times ((3 + 3) \times 3^3 - 3)) - 3) \\
&:= 44 + (((4 \times 4 + 4) \times (4^4 + 4)) + 4/4) \\
&:= 5 \times ((5 - 5/5)^5 + 5 \times 5) \\
&:= ((6+6) \times ((6 \times (66+6)) + 6)) - 66/6 \\
&:= 7/7 + ((7/7 - 77) \times ((7/7 - 77) + 7)) \\
&:= 8 + ((8 \times ((8 \times (88 - 8) + 8) + 8)) - (88/8)) \\
&:= (9 \times (((9+9)/9)^9 - 9) + 9 \times 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5246 &:= (1+11^{1+1}) \times (((1+1) \times (11+11)) - 1) \\
&:= 2 + (2 \times ((22 - 2)^2 + 2222)) \\
&:= 333 + (33/3 + 3 + 3)^3 \\
&:= (44 - 4/4) \times (444 + 44)/4 \\
&:= 5/5 + (5 \times ((5 - 5/5)^5 + 5 \times 5)) \\
&:= 6 + (((6+6)/6 + 6) \times (666 - 66/6)) \\
&:= ((7/7 - 7) + 7 \times 7) \times (777 + 77)/7 \\
&:= (8 \times ((8 \times (88 - 8) + 8) + 8)) - (8+8)/8 \\
&:= (99 \times (9 \times 9 - (9+9+9))) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5247 &:= 1 + ((1+11^{1+1}) \times (((1+1) \times (11+11)) - 1)) \\
&:= 22/2 + (2 \times (22 \times ((22/2)^2 - 2))) \\
&:= 33 \times ((3+3) \times 3^3 - 3) \\
&:= ((4^4 - 4)/4) + (4 \times ((4+4)/4 + 4^4)) \\
&:= 5 + (5555 - (5^5 + 5)/(5 + 5)) \\
&:= 6 \times 6 + ((666/6 \times (66/6 + 6 \times 6)) - 6) \\
&:= 77/7 + (77 \times (77 - ((7+7)/7 + 7))) \\
&:= (8 \times ((8 \times (88 - 8) + 8) + 8)) - 8/8 \\
&:= 99 \times (9 \times 9 - ((9/9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5248 &:= (((1+111)^{1+1}) - (1+1)^{11})/(1+1) \\
&:= 2 \times (2^{22/2} + ((22+2)^2)) \\
&:= 3/3 + (33 \times ((3+3) \times 3^3 - 3)) \\
&:= 4 \times (4 \times (4^4 + 4 + 4) + 4^4) \\
&:= 5 + (((5 - 5^5)/(5+5)) + 5555) \\
&:= ((6+6)/6)^6 + (6 \times (6 \times (6+6) \times (6+6))) \\
&:= ((7+7)/7)^7 \times (7 \times 7 - (7/7 + 7)) \\
&:= 8 \times ((8 \times (88 - 8) + 8) + 8) \\
&:= (9 - 9/9) \times ((9 \times (9 \times 9 - 9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5249 &:= 1 + (((1+111)^{1+1}) - (1+1)^{11})/(1+1) \\
&:= 2/2 + (2 \times (2^{22/2} + ((22+2)^2))) \\
&:= 3 + ((33/3 + 3 + 3)^3 + 333) \\
&:= 4/4 + (4 \times (4 \times (4^4 + 4 + 4) + 4^4)) \\
&:= 5 + ((5 \times ((5 - 5/5)^5 + 5 \times 5)) - 5/5) \\
&:= 66 + ((6 \times (6 \times (6+6) \times (6+6))) - 6/6) \\
&:= ((77 - 7) \times (77 - (7+7)/7)) - 7/7 \\
&:= 8/8 + (8 \times ((8 \times (88 - 8) + 8) + 8)) \\
&:= (99/9 + 9 + 9) \times ((9/9 + 99) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5250 &:= (11-1) \times (1 + (1 + (11 + (1+1)^{11-1-1}))) \\
&:= 2 + (2 \times (2^{22/2} + ((22+2)^2))) \\
&:= 3 + (33 \times ((3+3) \times 3^3 - 3)) \\
&:= 4 + ((44 - 4/4) \times (444 + 44)/4) \\
&:= 5 + (5 \times ((5 - 5/5)^5 + 5 \times 5)) \\
&:= 66 + (6 \times (6 \times (6+6) \times (6+6))) \\
&:= (77 - 7) \times (77 - (7+7)/7) \\
&:= (8+8)/8 + (8 \times ((8 \times (88 - 8) + 8) + 8)) \\
&:= (9/9 + 9) \times ((99 + 9 + 9)/9) + ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5251 &:= 1 + ((11-1) \times (1 + (1 + (11 + (1+1)^{11-1-1})))) \\
&:= 2 + ((2 \times (2^{22/2} + ((22+2)^2))) + 2/2) \\
&:= 3 + ((33 \times ((3+3) \times 3^3 - 3)) + 3/3) \\
&:= 44 + (4444/4 + (4+4)^4) \\
&:= 5 + ((5 \times ((5 - 5/5)^5 + 5 \times 5)) + 5/5) \\
&:= 66 + ((6 \times (6 \times (6+6) \times (6+6))) + 6/6) \\
&:= 7 + ((7/7 - 77) \times ((7/7 - 77) + 7)) \\
&:= 88/8 + ((8 \times ((8 \times (88 - 8) + 8) + 8)) - 8) \\
&:= 9 + (9 \times 9 \times (9 \times 9 + 9) - (((9+9)/9)^{99/9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5252 &:= ((1+1)^{1+11}) + ((1+11 \times (1+1+1))^{1+1}) \\
&:= 2 \times ((2^{22/2} + ((22+2)^2)) + 2) \\
&:= (3/3 + 3) \times ((33/3)^3 - (3 \times (3 + 3))) \\
&:= 4 + (4 \times (4 \times (4^4 + 4 + 4) + 4^4)) \\
&:= 5 + ((5555 - (5^5 + 5)/(5 + 5)) + 5) \\
&:= 66 + ((6 \times (6 \times (6+6) \times (6+6))) + ((6+6)/6)) \\
&:= (7+7)/7 + ((77 - 7) \times (77 - (7+7)/7)) \\
&:= 8 \times 8/(8+8) + (8 \times ((8 \times (88 - 8) + 8) + 8)) \\
&:= 9 + ((9 - (9+9)/9) \times ((9 \times 9 \times 9 + (99/9)) + 9))
\end{aligned}$$

- 5253 := $1 + (((1+1)^{1+1}) + ((1+11 \times (1+1+1))^{1+1}))$
:= $22 + ((22+2) \times (222-2-2) - 2/2)$
:= $((3^3-3) \times ((3+3)^3+3)) - 3$
:= $4 + ((4 \times (4 \times (4^4+4+4) + 4^4)) + 4/4)$
:= $5 + (((5-5^5)/(5+5)) + 5555) + 5$
:= $6 \times 6 + (666/6 \times (66/6 + 6 \times 6))$
:= $((7+7)/7 + 7 \times 7) \times ((777-7)/7-7)$
:= $8 + (((8 \times ((8 \times (88-8) + 8) + 8)) - (88/8)) + 8)$
:= $((99+9)/9 \times ((9+9)/9)^9) - 9 \times 99$
- 5254 := $(1+1) \times (((1+11) \times (((1+1) \times (111-1) - 1)) - 1)$
:= $22 + ((22+2) \times (222-2-2))$
:= $3/3 + (((3^3-3) \times ((3+3)^3+3)) - 3)$
:= $4^4 + (((44-4)/4)^4 - 4)/(4+4)/4)$
:= $5555 - (5 \times (55+5) + 5/5)$
:= $((6+6) \times ((6 \times (66+6)) + 6)) - (6+6)/6$
:= $77/7 + (7 \times (((7 \times (7 \times (7+7) + 7)) + 7) + 7))$
:= $8 + ((8 \times ((8 \times (88-8) + 8) + 8)) - ((8+8)/8))$
:= $9 \times 9 + ((9 \times 9 - 9)^{(9+9)/9} - (99/9))$
- 5255 := $((1+1) \times ((1+11) \times (((1+1) \times (111-1) - 1))) - 1$
:= $(22+2) \times (222+2) - (22/2)^2$
:= $((3^3-3) \times ((3+3)^3+3)) - 3/3$
:= $4^4 + (((4+4) \times (4/4+4)^4) - 4/4)$
:= $5555 - 5 \times (55+5)$
:= $((6+6) \times ((6 \times (66+6)) + 6)) - 6/6$
:= $7 + (((7+7)/7)^7 \times (7 \times 7 - (7/7+7)))$
:= $8 + ((8 \times ((8 \times (88-8) + 8) + 8)) - 8/8)$
:= $(9 \times (((9+9)/9)^9) - 9) + 9 \times 9 - 9/9$
- 5256 := $(1+1) \times ((1+11) \times (((1+1) \times (111-1) - 1))$
:= $(22+2) \times (222 - (2/2+2))$
:= $(3^3-3) \times ((3+3)^3+3)$
:= $4^4 + ((4+4) \times (4/4+4)^4)$
:= $5/5 + (5555 - 5 \times (55+5))$
:= $(6+6) \times ((6 \times (66+6)) + 6)$
:= $777/7 + (7 \times (7 \times (7 \times (7+7) + 7)))$
:= $8 + (8 \times ((8 \times (88-8) + 8) + 8))$
:= $9 \times (((9+9)/9)^9) - 9) + 9 \times 9$
- 5257 := $((((1+1+1)^{11-1}) - 1)/11) - 111$
:= $(22 \times ((22^2-2)/2-2)) - 2/2$
:= $3/3 + ((3^3-3) \times ((3+3)^3+3))$
:= $4/4 + (((4+4) \times (4/4+4)^4) + 4^4)$
:= $(5+5)/5 + (5555 - 5 \times (55+5))$
:= $6/6 + ((6+6) \times ((6 \times (66+6)) + 6))$
:= $7 + ((77-7) \times (77 - (7+7)/7))$
:= $8 + ((8 \times ((8 \times (88-8) + 8) + 8)) + 8/8)$
:= $9/9 + (9 \times (((9+9)/9)^9) - 9) + 9 \times 9$
- 5258 := $(1+1) \times (11 \times (((1+1) \times (11^{1+1} - 1)) - 1))$
:= $22 \times ((22^2-2)/2-2)$
:= $3 + (((3^3-3) \times ((3+3)^3+3)) - 3/3)$
:= $4^4 + (((4+4) \times (4/4+4)^4) + (4+4)/4)$
:= $5 + (((5-5^5)/(5+5)) + 5555) + 5 + 5$
:= $(6+6)/6 + ((6+6) \times ((6 \times (66+6)) + 6))$
:= $7 + (((7/7-77) \times ((7/7-77) + 7)) + 7)$
:= $8 + ((8 \times ((8 \times (88-8) + 8) + 8)) + ((8+8)/8))$
:= $(9+9)/9 + (9 \times (((9+9)/9)^9) - 9) + 9 \times 9$
- 5259 := $1 + ((1+1) \times (11 \times (((1+1) \times (11^{1+1} - 1)) - 1)))$
:= $2/2 + (22 \times ((22^2-2)/2-2))$
:= $3 + ((3^3-3) \times ((3+3)^3+3))$
:= $4 + (((4+4) \times (4/4+4)^4) - 4/4) + 4^4$
:= $5 + (5555 - (5 \times (55+5) + 5/5))$
:= $666/6 + 66 \times (66+6+6)$
:= $7 + (((77-7) \times (77 - (7+7)/7)) + ((7+7)/7))$
:= $88/8 + (8 \times ((8 \times (88-8) + 8) + 8))$
:= $((9+9+9)/9) + (9 \times (((9+9)/9)^9) - 9) + 9 \times 9$
- 5260 := $(1+1) \times (1 + (11 \times (((1+1) \times (11^{1+1} - 1)) - 1)))$
:= $2 + (22 \times ((22^2-2)/2-2))$
:= $3 + (((3^3-3) \times ((3+3)^3+3)) + 3/3)$
:= $4 + (((4+4) \times (4/4+4)^4) + 4^4)$
:= $5 + (5555 - 5 \times (55+5))$
:= $6 + (((6+6) \times ((6 \times (66+6)) + 6)) - ((6+6)/6))$
:= $((77-7)/7) \times ((7 \times 77 - (7+7)) + 7/7)$
:= $((88+8)/8) + (8 \times ((8 \times (88-8) + 8) + 8))$
:= $(9/9+9) \times ((9 \times 9 \times 99 - 9)/(9+9)) + 9 \times 9$
- 5261 := $1 + ((1+1) \times (1 + (11 \times (((1+1) \times (11^{1+1} - 1)) - 1))))$
:= $2 + ((22 \times ((22^2-2)/2-2)) + 2/2)$
:= $3 \times ((3 \times 3 + 3)^3 + 3^3) - (3/3+3)$
:= $((4-4/4)^4 \times (4^4+4)/4) - 4$
:= $5 + ((5555 - 5 \times (55+5)) + 5/5)$
:= $6 + (((6+6) \times ((6 \times (66+6)) + 6)) - 6/6)$
:= $77 + (((7+7)/7-7) + 77)^{(7+7)/7}$
:= $88 + (8 \times (8 \times (88-8) + 8) - (88/8))$
:= $9 \times 9 + ((9 - (9+9)/9) \times (9 \times 9 \times 9 + (99/9)))$
- 5262 := $(1+1) \times (1 + (1 + (11 \times (((1+1) \times (11^{1+1} - 1)) - 1))))$
:= $2 + ((22 \times ((22^2-2)/2-2)) + 2)$
:= $3 \times ((3 \times 3 + 3)^3 + 3^3) - 3$
:= $4/4 + (((4-4/4)^4 \times (4^4+4)/4) - 4)$
:= $5 + ((5555 - 5 \times (55+5)) + ((5+5)/5))$
:= $6 + ((6+6) \times ((6 \times (66+6)) + 6))$
:= $(7 \times (777-7)) - ((7+7)/7)^7$
:= $(8 - (8+8)/8) \times (888 - 88/8)$
:= $9 + (((99+9)/9 \times ((9+9)/9)^9) - 9 \times 99)$
- 5263 := $((1+111) \times (1 + ((1+1) \times (1 + (11+11)))) - 1$
:= $222 + ((2 \times (2+2+2))^2 - 2/2)^2$
:= $3/3 + (3 \times ((3 \times 3 + 3)^3 + 3^3) - 3)$
:= $((4^4-4)/4) + ((4 \times 4 + 4) \times (4^4+4))$
:= $5 \times 5 \times 55 + ((5/5+5)^5/(5+5)/5)$
:= $6 + (((6+6) \times ((6 \times (66+6)) + 6)) + 6/6)$
:= $(7 \times (777 - (7+7))) - 7/7 - 77$
:= $8 + (((8 \times ((8 \times (88-8) + 8) + 8)) - 8/8) + 8)$
:= $9 \times 9 + ((9 \times 9 - 9)^{(9+9)/9} - ((9+9)/9))$
- 5264 := $(1+111) \times (1 + ((1+1) \times (1 + (11+11))))$
:= $2 \times (2 \times ((2+2+2)^{2+2} - 2) + 22)$
:= $3 \times ((3 \times 3 + 3)^3 + 3^3) - 3/3$
:= $4 \times ((4 \times (4^4+4+4) + 4^4) + 4)$
:= $5^5 + (5 \times 555 - ((55+5^5)/5))$
:= $(66/6 + 6 \times 6) \times (666+6)/6$
:= $(7 \times (777 - (7+7))) - 77$
:= $8 + ((8 \times ((8 \times (88-8) + 8) + 8)) + 8)$
:= $9 \times 9 + ((9 \times 9 - 9)^{(9+9)/9} - 9/9)$
- 5265 := $1 + ((1+111) \times (1 + ((1+1) \times (1 + (11+11))))$
:= $(2/2+2)^{2+2} + (2 \times (2+2+2)^2)^2$
:= $3 \times ((3 \times 3 + 3)^3 + 3^3)$
:= $(4-4/4)^4 \times (4^4+4)/4$
:= $(5 \times (((5-5/5)^5 + 5 \times 5) + 5)) - 5$
:= $6 + (66 \times (66+6+6) + 666/6)$
:= $7/7 + ((7 \times (777 - (7+7))) - 77)$
:= $(8/8+8 \times 8) \times ((8/8-8) + 88)$
:= $9 \times ((9 \times (9 \times 9 - (9+9))) + 9) + 9$
- 5266 := $(1+1) \times ((1+1+1+11)^{1+1+1} - 111)$
:= $2 + (2 \times (2 \times ((2+2+2)^{2+2} - 2) + 22))$
:= $3/3 + 3 \times ((3 \times 3 + 3)^3 + 3^3)$
:= $4/4 + ((4-4/4)^4 \times (4^4+4)/4)$
:= $5/5 + ((5 \times (((5-5/5)^5 + 5 \times 5) + 5)) - 5)$
:= $((66-6)/6) + ((6+6) \times ((6 \times (66+6)) + 6))$
:= $7 \times 7 + (777/7 \times 7 \times 7 - ((7+7)/7))$
:= $8/8 + ((8/8+8 \times 8) \times ((8/8-8) + 88))$
:= $9/9 + ((9 \times 9 - 9)^{(9+9)/9} + 9 \times 9)$
- 5267 := $((1+1+1)^{11-1}) - (1+1111)/11$
:= $(22+2/2) \times (((22^2-22)/2)-2)$
:= $3 + (3 \times ((3 \times 3 + 3)^3 + 3^3) - 3/3)$
:= $4 + (((4 \times 4 + 4) \times (4^4+4)) + ((4^4-4)/4))$
:= $5 \times 5 + (5555 - (5^5+5)/(5+5))$
:= $66/6 + ((6+6) \times ((6 \times (66+6)) + 6))$
:= $7 \times 777 - ((7 \times 7 \times 7 \times 7 + 7)/(7+7))$
:= $8 + ((8 \times ((8 \times (88-8) + 8) + 8)) + (88/8))$
:= $9 \times 9 + ((9 \times 9 - 9)^{(9+9)/9} + ((9+9)/9))$

- 5268 := $(1 + 11) \times (((11 + (11 - 1))^{1+1}) - (1 + 1))$
:= $2 \times ((2 + 2 + 2) \times (((22 - 2/2)^2) - 2))$
:= $3 + 3 \times ((3 \times 3 + 3)^3 + 3^3)$
:= $(4 - 4/4) \times (4 \times (444 - 4) - 4)$
:= $5 \times 5 + (((5 - 5^5)/(5 + 5)) + 5555)$
:= $6 + (((6 + 6) \times ((6 \times (66 + 6)) + 6)) + 6)$
:= $7 \times 777 + ((7 - 7 \times 7 \times 7 \times 7)/(7 + 7))$
:= $(8 - (8 + 8)/8) \times ((8 - 88)/8 + 888)$
:= $9 \times 9 + ((9 \times 9 - 9)^{(9+9)/9} + ((9 + 9 + 9)/9))$
- 5269 := $11 \times (((1 + 1) \times ((1 + 1) \times (11^{1+1} - 1))) - 1)$
:= $22/2 \times (22^2 - (2/2 + 2 + 2))$
:= $3 + (3 \times ((3 \times 3 + 3)^3 + 3^3) + 3/3)$
:= $4 + (((4 - 4/4)^4 \times (4^4 + 4)/4)$
:= $5555 - (5 \times 55 + (55/5))$
:= $6 + (((6 + 6) \times ((6 \times (66 + 6)) + 6)) + 6/6 + 6)$
:= $7 + ((7 \times (777 - 7)) - ((7 + 7)/7)^7)$
:= $(88 \times (8 \times 8 - 8 \times 8/(8 + 8))) - 88/8$
:= $99/9 \times (((9 + 9) \times (9 + 9 + 9) - 9) + ((9 + 9)/9))$
- 5270 := $(11 - 1) \times ((1 + 11 + 11)^{1+1} - (1 + 1))$
:= $(2 \times (2 + 2) + 2) \times ((22 + 2/2)^2 - 2)$
:= $3 + ((3 \times ((3 \times 3 + 3)^3 + 3^3) - 3/3) + 3)$
:= $((4 - 4/4)^4 + 4) \times (4^4 - 4 - 4)/4$
:= $5 \times (((5 - 5/5)^5 + 5 \times 5) + 5)$
:= $6 + ((66/6 + 6 \times 6) \times (666 + 6)/6)$
:= $7 + ((7 \times (777 - (7 + 7))) - (7/7 + 77))$
:= $8 + ((8 - (8 + 8)/8) \times (888 - 88/8))$
:= $(9/9 + 9) \times (((9 \times 9 \times 99 + 9)/(9 + 9)) + 9 \times 9)$
- 5271 := $1 + ((11 - 1) \times ((1 + 11 + 11)^{1+1} - (1 + 1)))$
:= $2 + (22/2 \times (22^2 - (2/2 + 2 + 2)))$
:= $3 + (3 \times ((3 \times 3 + 3)^3 + 3^3) + 3)$
:= $(4 + 4)^4 + ((4444 + 4^4)/4)$
:= $5/5 + (5 \times (((5 - 5/5)^5 + 5 \times 5) + 5))$
:= $6 + ((66 \times (66 + 6 + 6) + 666/6) + 6)$
:= $7 + ((7 \times (777 - (7 + 7))) - 77)$
:= $88 + (8 \times (8 \times (88 - 8) + 8) - 8/8)$
:= $99 + ((99 + 9)/9 \times (((9 + 9)/9)^9 - 9 \times 9))$
- 5272 := $(1 + 1) \times ((1 + 1) \times (11^{1+1+1} - (1 + 1 + 1)))$
:= $2 \times (2 \times ((2 + 2 + 2)^{2+2} + 22))$
:= $(3 \times ((3 \times 3 + 3)^3 + 33)) - 33/3$
:= $((4 + 4) + 4) \times (444 - 4) - 4 - 4$
:= $(5 + 5)/5 + (5 \times (((5 - 5/5)^5 + 5 \times 5) + 5))$
:= $((6 + 6)/6 + 6) \times (666 - 6/6 - 6)$
:= $(7 \times (777 - 7)) - (777/7 + 7)$
:= $88 + 8 \times (8 \times (88 - 8) + 8)$
:= $(9 - 9/9) \times (9 \times (9 \times 9 - 9) + (99/9))$
- 5273 := $((1 + 1)^{1+1+1+1}) - 11111$
:= $2/2 + (2 \times (2 \times ((2 + 2 + 2)^{2+2} + 22)))$
:= $(3 \times (((3 \times 3 + 3)^3 + 3^3) + 3)) - 3/3$
:= $4 + (((4 - 4/4)^4 \times (4^4 + 4)/4) + 4)$
:= $5^5 + (5 \times 555 - (5^5 + 5 + 5)/5)$
:= $6 + (((6 + 6) \times ((6 \times (66 + 6)) + 6)) + (66/6))$
:= $((7 + 7)/7)^7 + (7 \times (7 \times (7 \times (7 + 7) + 7)))$
:= $8 + ((8/8 + 8 \times 8) \times ((8/8 - 8) + 88))$
:= $9 + (((9 \times 9 - 9)^{(9+9)/9} - 9/9) + 9 \times 9)$
- 5274 := $1 + (((1 + 1)^{1+1+1+1}) - 11111)$
:= $2 + (2 \times (2 \times ((2 + 2 + 2)^{2+2} + 22)))$
:= $3 \times (((3 \times 3 + 3)^3 + 3^3) + 3)$
:= $4 + (((4 - 4/4)^4 + 4) \times (4^4 - 4 - 4)/4)$
:= $5^5 + (5 \times 555 - (5^5 + 5)/5)$
:= $((6 + 6)/6 + 6) \times (666 - 6) - 6$
:= $(77/7 + 7) \times (7 \times (7 \times 7 - 7) - 7/7)$
:= $(8 - (8 + 8)/8) \times (888 - 8/8 - 8)$
:= $9 + ((9 \times 9 - 9)^{(9+9)/9} + 9 \times 9)$
- 5275 := $(1 + ((1 + 1) \times (1 + 1))) \times ((1 + 1) \times 111 - 11)$
:= $((22 + 2/2) + 2) \times (222 - 22/2)$
:= $3/3 + (3 \times (((3 \times 3 + 3)^3 + 3^3) + 3))$
:= $(4/4 + 4) \times (4 \times (4^4 + 4 + 4) - 4/4)$
:= $5555 - (5 \times 55 + 5)$
:= $6/6 + (((6 + 6)/6 + 6) \times (666 - 6)) - 6$
:= $77/7 + ((7 \times (777 - (7 + 7))) - 77)$
:= $((8/8 + 8) \times (8 \times (8 \times 8 + 8) + (88/8))) - 8$
:= $9 + (((9 \times 9 - 9)^{(9+9)/9} + 9/9) + 9 \times 9)$
- 5276 := $(1 + 1) \times ((1 + 1) \times (11^{1+1+1} - (1 + 1)))$
:= $22 \times (22^2/2 - 2) - 2 - 2$
:= $33/3 + 3 \times ((3 \times 3 + 3)^3 + 3^3)$
:= $((4 + 4) + 4) \times (444 - 4) - 4$
:= $5^5/5 + ((5/5 + 5)^5 - 5^5)$
:= $6 + (((66/6 + 6 \times 6) \times (666 + 6)/6) + 6)$
:= $7 + (((7 \times (777 - 7)) - ((7 + 7)/7)^7) + 7)$
:= $((88 \times (8 \times (8 + 8) - 8)) - 8)/((8 + 8)/8)$
:= $9 \times 9 + ((9 \times 9 - 9)^{(9+9)/9} + (99/9))$
- 5277 := $1 + ((1 + 1) \times ((1 + 1) \times (11^{1+1+1} - (1 + 1))))$
:= $22 \times (22^2/2 - 2) - 2/2 - 2$
:= $3 + (3 \times (((3 \times 3 + 3)^3 + 3^3) + 3))$
:= $4/4 + (((4 + 4) + 4) \times (444 - 4)) - 4$
:= $(5^5 + 5)/5 + ((5/5 + 5)^5 - 5^5)$
:= $66 + ((666/6 \times (66/6 + 6 \times 6)) - 6)$
:= $77 + ((7/7 + 7 \times 7) \times (777/7 - 7))$
:= $(8 \times 8 - 8) \times (88 + 8) - (88/8 + 88)$
:= $9 \times 9 + ((9 \times 9 - 9)^{(9+9)/9} + (99 + 9)/9)$
- 5278 := $(1 + 1) \times (((1 + 1) \times 11 \times (11^{1+1} - 1)) - 1)$
:= $22 \times (22^2/2 - 2) - 2$
:= $3333 + (((3 \times (3 + 3))^3 + 3)/3)$
:= $(44 \times (4^4 - 4 \times 4) - 4)/((4 + 4)/4)$
:= $5555 - (5 \times 55 + ((5 + 5)/5))$
:= $6 + (((6 + 6)/6 + 6) \times (666 - 6/6 - 6))$
:= $7 \times 777 - ((77 + 77) + 7)$
:= $(88 \times (8 \times 8 - 8 \times 8/(8 + 8))) - (8 + 8)/8$
:= $(99/9 + 9 + 9) \times ((99/9 + 9 \times (9 + 9)) + 9)$
- 5279 := $((11 - 1) \times (1 + 11 + 11)^{1+1}) - 11$
:= $22 \times (22^2/2 - 2) - 2/2$
:= $33333/3 - (3 \times (3 + 3))^3$
:= $((4 + 4) + 4) \times (444 - 4) - 4/4$
:= $5555 - (5 \times 55 + 5/5)$
:= $((6 + 6)/6 + 6) \times (666 - 6) - 6/6$
:= $(7 \times (777 - 7)) - 777/7$
:= $(88 \times (8 \times 8 - 8 \times 8/(8 + 8))) - 8/8$
:= $(9 \times (9 \times (9 - 9 \times 9))) + (99999/9)$
- 5280 := $(1 + 1) \times ((1 + 1) \times 11 \times (11^{1+1} - 1))$
:= $22 \times (22^2/2 - 2)$
:= $(3 \times ((3 \times 3 + 3)^3 + 33)) - 3$
:= $((4 + 4) + 4) \times (444 - 4)$
:= $5555 - 5 \times 55$
:= $((6 + 6)/6 + 6) \times (666 - 6)$
:= $(7 \times 7 - 7/7) \times (777 - 7)/7$
:= $88 \times (8 \times 8 - 8 \times 8/(8 + 8))$
:= $(9 - 9/9) \times (9 \times (9 \times 9 - 9) + (99 + 9)/9)$
- 5281 := $1 + ((1 + 1) \times ((1 + 1) \times 11 \times (11^{1+1} - 1)))$
:= $2/2 + 22 \times (22^2/2 - 2)$
:= $3/3 + ((3 \times ((3 \times 3 + 3)^3 + 33)) - 3)$
:= $4/4 + (((4 + 4) + 4) \times (444 - 4))$
:= $5/5 + (5555 - 5 \times 55)$
:= $6/6 + (((6 + 6)/6 + 6) \times (666 - 6))$
:= $(7 \times (777 - (7 + 7 + 7))) - 77/7$
:= $8/8 + (88 \times (8 \times 8 - 8 \times 8/(8 + 8)))$
:= $9 + ((9 - 9/9) \times (9 \times (9 \times 9 - 9) + (99/9)))$
- 5282 := $(1 + 1) \times (1 + ((1 + 1) \times 11 \times (11^{1+1} - 1)))$
:= $2 + 22 \times (22^2/2 - 2)$
:= $(3 \times ((3 \times 3 + 3)^3 + 33)) - 3/3$
:= $(4 + 4)/4 + (((4 + 4) + 4) \times (444 - 4))$
:= $(5 + 5)/5 + (5555 - 5 \times 55)$
:= $(6 + 6)/6 + (((6 + 6)/6 + 6) \times (666 - 6))$
:= $((7 - 77)/7) + (7 \times (777 - (7 + 7 + 7)))$
:= $8 + ((8 - (8 + 8)/8) \times (888 - 8/8 - 8))$
:= $99 + ((9 \times 9 - 9)^{(9+9)/9} - 9/9)$

$$\begin{aligned}
\blacktriangleright 5283 &:= 1 + ((1+1) \times (1 + ((1+1) \times 11 \times (11^{1+1} - 1)))) \\
&:= 2 + (22 \times (22^2/2 - 2) + 2/2) \\
&:= 3 \times ((3 \times 3 + 3)^3 + 33) \\
&:= 4 + (((4+4) + 4) \times (444 - 4)) - 4/4 \\
&:= 5 + (5555 - (5 \times 55 + ((5+5)/5))) \\
&:= 66 + (666/6 \times (66/6 + 6 \times 6)) \\
&:= ((7+7)/7 + 7) \times (7 \times (77+7) - 7/7) \\
&:= (8/8 + 8) \times (8 \times (8 \times 8 + 8) + (88/8)) \\
&:= 99 + (9 \times 9 - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5284 &:= (1+1) \times (1+1) \times (1+11 \times (11^{1+1} - 1)) \\
&:= 2 + (22 \times (22^2/2 - 2) + 2) \\
&:= 3/3 + (3 \times ((3 \times 3 + 3)^3 + 33)) \\
&:= 4 + (((4+4) + 4) \times (444 - 4)) \\
&:= 5 + (5555 - (5 \times 55 + 5/5)) \\
&:= (66 \times (6 + 6 + 6)) + (((6+6)/6)^{6+6}) \\
&:= 7 \times 777 - (7/7 + 77 + 77) \\
&:= ((88 \times (8 \times (8+8) - 8) + 8)/(8+8)/8) \\
&:= 9/9 + ((9 \times 9 - 9)^{(9+9)/9} + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5285 &:= 1 + (1+1) \times (1+1) \times (1+11 \times (11^{1+1} - 1)) \\
&:= 2 + ((22 \times (22^2/2 - 2) + 2/2) + 2) \\
&:= 3 + ((3 \times ((3 \times 3 + 3)^3 + 33)) - 3/3) \\
&:= 4 + (((4+4) + 4) \times (444 - 4)) + 4/4 \\
&:= 5 + (5555 - 5 \times 55) \\
&:= 6 \times (666 + 6 \times 6 \times 6) - 6/6 - 6 \\
&:= 7 \times 777 - 77 - 77 \\
&:= 8 + ((8 \times 8 - 8) \times (88 + 8) - (88/8 + 88)) \\
&:= 99 + ((9 \times 9 - 9)^{(9+9)/9} + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5286 &:= (1+1) \times (1 + (1+1) \times (1+11 \times (11^{1+1} - 1))) \\
&:= (2/2 + 2) \times ((2 \times 22 - 2)^2 - 2) \\
&:= 3 + (3 \times ((3 \times 3 + 3)^3 + 33)) \\
&:= ((4+4)/4 + 4) \times ((4/4 + 4)^4 + 4^4) \\
&:= 5 + ((5555 - 5 \times 55) + 5/5) \\
&:= 6 \times (666 + 6 \times 6 \times 6) - 6 \\
&:= 7 + ((7 \times (777 - 7)) - 777/7) \\
&:= (8 - (8+8)/8) \times ((888 - 8) + 8/8) \\
&:= 999/9 + ((9 \times 9 - 9)^{(9+9)/9} - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5287 &:= ((11-1) \times (1+11+11)^{1+1}) - 1 - 1 - 1 \\
&:= 2/2 + ((2/2 + 2) \times ((2 \times 22 - 2)^2 - 2)) \\
&:= 3 + ((3 \times ((3 \times 3 + 3)^3 + 33)) + 3/3) \\
&:= 4 + (((4+4) + 4) \times (444 - 4)) - 4/4 + 4 \\
&:= 5 + ((5555 - 5 \times 55) + ((5+5)/5)) \\
&:= 6/6 + (6 \times (666 + 6 \times 6 \times 6) - 6) \\
&:= 7 + ((7 \times 7 - 7/7) \times (777 - 7)/7) \\
&:= (8 \times 8 - 8) \times (88 + 8) - (8/8 + 88) \\
&:= ((999 + 9)/9) + ((9 \times 9 - 9)^{(9+9)/9} - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5288 &:= ((11-1) \times (1+11+11)^{1+1}) - 1 - 1 \\
&:= 2 + ((2/2 + 2) \times ((2 \times 22 - 2)^2 - 2)) \\
&:= (3/3 + 3) \times ((33/3)^3 - 3 \times 3) \\
&:= 4 + (((4+4) + 4) \times (444 - 4)) + 4 \\
&:= ((5 - 5^5)/(5+5)) + ((5+5) \times (555 + 5)) \\
&:= ((6+6)/6 + 6) \times ((666 - 6) + 6/6) \\
&:= 7 + ((7 \times (777 - (7+7+7))) - (77/7)) \\
&:= (8 \times 8 - 8) \times (88 + 8) - 88 \\
&:= 9 \times (9 \times 9 \times 9 - 9 - 9) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5289 &:= ((11-1) \times (1+11+11)^{1+1}) - 1 \\
&:= (2/2 + 2) \times ((2 \times 22 - 2)^2 - 2/2) \\
&:= 3 + ((3 \times ((3 \times 3 + 3)^3 + 33)) + 3) \\
&:= 4 + (((4+4) + 4) \times (444 - 4)) + 4/4 + 4 \\
&:= ((5+5) \times (555 - 5 \times 5)) - 55/5 \\
&:= 666/6 + ((6 \times (6 \times (6+6) \times (6+6))) - 6) \\
&:= (7 \times 7 - (7/7 + 7)) \times (((7+7)/7)^7 + 7/7) \\
&:= 8/8 + ((8 \times 8 - 8) \times (88 + 8) - 88) \\
&:= 9 + ((9 - 9/9) \times (9 \times (9 \times 9 - 9) + (99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5290 &:= (11-1) \times (1+11+11)^{1+1} \\
&:= (2 \times (2+2) + 2) \times ((22 + 2/2)^2) \\
&:= 3 + (((3 \times ((3 \times 3 + 3)^3 + 33)) + 3/3) + 3) \\
&:= (444/4 + 4) \times ((4+4)/4 + 44) \\
&:= 5 + ((5555 - 5 \times 55) + 5) \\
&:= 6 \times (666 + 6 \times 6 \times 6) - (6+6)/6 \\
&:= (7 \times (777 - (7+7+7))) - (7+7)/7 \\
&:= (8+8)/8 + ((8 \times 8 - 8) \times (88 + 8) - 88) \\
&:= (9/9 + 9) \times (((((9+9)/9)^9) - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5291 &:= 1 + ((11-1) \times (1+11+11)^{1+1}) \\
&:= 22/2 \times (22^2 - (2/2 + 2)) \\
&:= ((3/3 + 3) \times (33/3)^3) - 33 \\
&:= 44/4 + (((4+4) + 4) \times (444 - 4)) \\
&:= 55/5 + (5555 - 5 \times 55) \\
&:= 6 \times (666 + 6 \times 6 \times 6) - 6/6 \\
&:= (7 \times (777 - (7+7+7))) - 7/7 \\
&:= 8 + ((8/8 + 8) \times (8 \times (8 \times 8 + 8) + (88/8))) \\
&:= 9 \times 9 + ((9/9 + 9) \times (((9+9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5292 &:= (1+11) \times ((11 + (11-1))^{1+1}) \\
&:= (2/2 + 2) \times (2 \times 22 - 2)^2 \\
&:= 3 \times (((3 \times 3 + 3)^3 + 33) + 3) \\
&:= (4^4 - 4) \times ((4 \times 4 + 4/4) + 4) \\
&:= 5555 + (((55+5)/5) - 5 \times 55) \\
&:= 6 \times (666 + 6 \times 6 \times 6) \\
&:= 7 \times (777 - (7+7+7)) \\
&:= (8/8 - 8 \times 8) \times (8 \times 8/(8+8) - 88) \\
&:= 9 + ((9 \times 9 - 9)^{(9+9)/9} + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5293 &:= 1 + ((1+11) \times ((11 + (11-1))^{1+1})) \\
&:= 2 + (22/2 \times (22^2 - (2/2 + 2))) \\
&:= 3/3 + (3 \times (((3 \times 3 + 3)^3 + 33) + 3)) \\
&:= 4/4 + ((4^4 - 4) \times ((4 \times 4 + 4/4) + 4)) \\
&:= ((5+5) \times (555 - 5 \times 5)) - ((5+5)/5 + 5) \\
&:= 6/6 + 6 \times (666 + 6 \times 6 \times 6) \\
&:= 7/7 + (7 \times (777 - (7+7+7))) \\
&:= ((8/8 - 88) + 8) \times (8 - (88/8 + 8 \times 8)) \\
&:= 9 + (((9 \times 9 - 9)^{(9+9)/9} + 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5294 &:= 1 + (1 + ((1+11) \times ((11 + (11-1))^{1+1}))) \\
&:= 2 + ((2/2 + 2) \times (2 \times 22 - 2)^2) \\
&:= 3 + (((3/3 + 3) \times (33/3)^3) - 33) \\
&:= 4 + ((444/4 + 4) \times ((4+4)/4 + 44)) \\
&:= ((5+5) \times (555 - 5 \times 5)) - (5/5 + 5) \\
&:= (6+6)/6 + 6 \times (666 + 6 \times 6 \times 6) \\
&:= (7+7)/7 + (7 \times (777 - (7+7+7))) \\
&:= 8 + ((8 - (8+8)/8) \times ((888 - 8) + 8/8)) \\
&:= 99 + ((9 \times 9 - 9)^{(9+9)/9} + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5295 &:= 111 + ((1+1+1) \times ((1+11)^{1+1+1})) \\
&:= (2/2 + 2) \times ((2 \times 22 - 2)^2 + 2/2) \\
&:= 3 + (3 \times (((3 \times 3 + 3)^3 + 33) + 3)) \\
&:= 4^4 + (((4 \times 4 + 4) \times (4^4 - 4)) - 4/4) \\
&:= ((5+5) \times (555 - 5 \times 5)) - 5 \\
&:= 666/6 + (6 \times (6 \times (6+6) \times (6+6))) \\
&:= (7+7+7)/7 + (7 \times (777 - (7+7+7))) \\
&:= 888/8 + 8 \times (8 \times (88 - 8) + 8) \\
&:= 999/9 + (9 \times 9 - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5296 &:= 1 + (111 + ((1+1+1) \times ((1+11)^{1+1+1}))) \\
&:= 2 + (((2/2 + 2) \times (2 \times 22 - 2)^2) + 2) \\
&:= ((333 + 3)/3) + (3 \times (3 \times 3 + 3)^3) \\
&:= 4 \times ((4 \times 4^4 + 44) + 4^4) \\
&:= 5/5 + (((5+5) \times (555 - 5 \times 5)) - 5) \\
&:= 6 + (6 \times (666 + 6 \times 6 \times 6) - ((6+6)/6)) \\
&:= 77/7 + (7 \times 777 - (77 + 77)) \\
&:= 8 + ((8 \times 8 - 8) \times (88 + 8) - 88) \\
&:= ((999 + 9)/9) + (9 \times 9 - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5297 &:= (1+1)^{11} + ((1 + (1+111)/(1+1))^{1+1}) \\
&:= (((22 \times (22^2 - 2)) - 2)/2) - 2 - 2 \\
&:= ((3/3 + 3) \times (33/3)^3) - 3^3 \\
&:= 4/4 + (((4 \times 4 + 4) \times (4^4 - 4)) + 4^4) \\
&:= 55 + (5555 - (5^5 + 5)/(5+5)) \\
&:= 6 + (6 \times (666 + 6 \times 6 \times 6) - 6/6) \\
&:= 7 \times 777 - (((7+7)/7)^7 + 7) + 7) \\
&:= 8 + (((8 \times 8 - 8) \times (88 + 8) - 88) + 8/8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9 - 9) - 9999/9)
\end{aligned}$$

- 5298 := $(1+1) \times (((1+1) \times (11^{1+1+1} - 1)) - 11)$
:= $(2/2 + 2) \times ((2 \times 22 - 2)^2 + 2)$
:= $33 + 3 \times ((3 \times 3 + 3)^3 + 3^3)$
:= $4^4 + (((4 \times 4 + 4) \times (4^4 - 4)) + (4 + 4)/4)$
:= $((5+5) \times (555 - 5 \times 5)) - (5+5)/5$
:= $6 + 6 \times (666 + 6 \times 6 \times 6)$
:= $7 + ((7 \times (777 - (7+7+7))) - 7/7)$
:= $8 + (((8 \times 8 - 8) \times (88 + 8) - 88) + ((8+8)/8))$
:= $(9 - ((9+9+9)/9)) \times ((9 \times 99 - 9) + 9/9)$
- 5299 := $((11 - 1) \times (1 + (1 + 11 + 11)^{1+1})) - 1$
:= $((22 \times (22^2 - 2) - 2)/2) - 2$
:= $3 + (((333 + 3)/3) + (3 \times (3 \times 3 + 3)^3))$
:= $((4/4 + 4) \times 4444/4) - 4^4$
:= $((5+5) \times (555 - 5 \times 5)) - 5/5$
:= $6 + (6 \times (666 + 6 \times 6 \times 6) + 6/6)$
:= $7 + (7 \times (777 - (7+7+7)))$
:= $(8 - 8/8) \times (8 \times (88 + 8) - (88/8))$
:= $((9/9 + 9) \times (((9+9)/9)^9 + 9) + 9) - 9/9$
- 5300 := $(11 - 1) \times (1 + (1 + 11 + 11)^{1+1})$
:= $(22 \times (22^2 - 2)/2) - 2$
:= $(3/3 + 3) \times ((33/3)^3 - (3 + 3))$
:= $4 + (((4 \times 4 + 4) \times (4^4 - 4)) + 4^4)$
:= $(5+5) \times (555 - 5 \times 5)$
:= $6 + (6 \times (666 + 6 \times 6 \times 6) + ((6+6)/6))$
:= $7 + ((7 \times (777 - (7+7+7))) + 7/7)$
:= $8 + ((8/8 - 8 \times 8) \times (8 \times 8/(8+8) - 88))$
:= $(9/9 + 9) \times (((9+9)/9)^9 + 9) + 9$
- 5301 := $(11 \times (((11 + 11)^{1+1} - (1 + 1))) - 1$
:= $((22 \times (22^2 - 2) - 2)/2)$
:= $3 \times (((3 \times 3 + 3)^3 + 33) + 3) + 3$
:= $4 + (((4 \times 4 + 4) \times (4^4 - 4)) + 4^4) + 4/4$
:= $5/5 + ((5+5) \times (555 - 5 \times 5))$
:= $6 + ((6 \times (6 \times (6+6) \times (6+6))) + 666/6)$
:= $((7+7)/7 + 7) \times (7 \times (77 + 7) + 7/7)$
:= $(8 \times (8 \times (8 \times 8 + 8) + 88)) - 88/8$
:= $9 + (((9 \times 9 - 9)^{(9+9)/9} + 99) + 9)$
- 5302 := $11 \times (((11 + 11)^{1+1} - (1 + 1)))$
:= $22 \times (22^2 - 2)/2$
:= $((((3+3)^3 + 3)/3)^{3-3/3} - 3^3)$
:= $44/4 \times ((44 \times 44 - (4+4))/4)$
:= $(5+5)/5 + ((5+5) \times (555 - 5 \times 5))$
:= $((66 - 6)/6) + 6 \times (666 + 6 \times 6 \times 6)$
:= $77/7 \times (7 \times (77 - 7) - (7/7 + 7))$
:= $(8 - 88)/8 + (8 \times (8 \times (8 \times 8 + 8) + 88))$
:= $9 \times 9 \times (9 \times 9 - 9) - (((9+9)/9)^9 + 9) + 9$
- 5303 := $1 + (11 \times (((11 + 11)^{1+1} - (1 + 1)))$
:= $((22 \times (22^2 - 2) + 2)/2)$
:= $3 + ((3/3 + 3) \times ((33/3)^3 - (3 + 3)))$
:= $4 + (((4/4 + 4) \times 4444/4) - 4^4)$
:= $5 + (((5+5) \times (555 - 5 \times 5)) - ((5+5)/5))$
:= $66/6 + 6 \times (666 + 6 \times 6 \times 6)$
:= $77/7 + (7 \times (777 - (7+7+7)))$
:= $(8 \times (8 \times (8 \times 8 + 8) + 88)) - (8/8 + 8)$
:= $9 + (((9 \times 9 - 9)^{(9+9)/9} + (99/9)) + 99)$
- 5304 := $(1 + 1) \times ((1 + 11) \times ((1 + 1) \times 111 - 1))$
:= $2 + (22 \times (22^2 - 2)/2)$
:= $3 + (3 \times (((3 \times 3 + 3)^3 + 33) + 3) + 3)$
:= $(4 - 4/4) \times (4 \times 444 - (4 + 4))$
:= $5 + (((5+5) \times (555 - 5 \times 5)) - 5/5)$
:= $6 + (6 \times (666 + 6 \times 6 \times 6) + 6)$
:= $7 \times 777 - (((7+7)/7)^7 + 7)$
:= $(8 \times (8 \times (8 \times 8 + 8) + 88)) - 8$
:= $9 + ((9 \times 9 - 9)^{(9+9)/9} + 999/9)$
- 5305 := $1 + ((1 + 1) \times ((1 + 11) \times ((1 + 1) \times 111 - 1)))$
:= $2 + (((22 \times (22^2 - 2) + 2)/2)$
:= $3 + (((((3+3)^3 + 3)/3)^{3-3/3} - 3^3)$
:= $44 + (((4 - 4/4)^4 \times (4^4 + 4)/4) - 4)$
:= $5 + ((5+5) \times (555 - 5 \times 5))$
:= $6 + ((6 \times (666 + 6 \times 6 \times 6) + 6/6) + 6)$
:= $(7 \times (777 - 7)) - (7/7 + 77 + 7)$
:= $8/8 + ((8 \times (8 \times (8 \times 8 + 8) + 88)) - 8)$
:= $9 + ((9 \times 9 - 9)^{(9+9)/9} + ((999 + 9)/9))$
- 5306 := $((1 + 1)^{1+1+1} + (11 \times (111 - 1)))$
:= $(222 \times (22 + 2)) - 22$
:= $((3/3 + 3) \times (33/3)^3 - (3 \times (3 + 3)))$
:= $4 + (44/4 \times ((44 \times 44 - (4 + 4))/4))$
:= $5 + (((5+5) \times (555 - 5 \times 5)) + 5/5)$
:= $((6+6)/6 + 6) \times (666 - ((6+6)/6)) - 6$
:= $(7 \times (777 - 7)) - 77 - 7$
:= $(8 + 8)/8 + ((8 \times (8 \times (8 \times 8 + 8) + 88)) - 8)$
:= $((9+9)/9) \times (99 \times (9+9+9) - (99/9+9))$
- 5307 := $1 + (((1 + 1)^{1+1+1} + (11 \times (111 - 1)))$
:= $2 + (((22 \times (22^2 - 2) + 2)/2) + 2)$
:= $((3+3) \times ((33 \times 3^3) - (3+3))) - 3$
:= $(4 \times (((44/4)^{4-4/4} - 4)) - 4/4)$
:= $5555 - (((5 - (5+5)/5)^5) + 5)$
:= $6 + (((6 \times (6 \times (6+6) \times (6+6))) + 666/6) + 6)$
:= $7/7 + ((7 \times (777 - 7)) - (77 + 7))$
:= $(8/8 - 88) \times (88/8 - (8 \times 8 + 8))$
:= $9 + ((9 - ((9+9+9)/9)) \times ((9 \times 99 - 9) + 9/9))$
- 5308 := $1 + (1 + (((1 + 1)^{1+1+1} + (11 \times (111 - 1))))$
:= $2 + ((222 \times (22 + 2)) - 22)$
:= $(3/3 + 3) \times ((33/3)^3 - (3/3 + 3))$
:= $4 \times (((44/4)^{4-4/4} - 4)$
:= $5 + (((5+5) \times (555 - 5 \times 5)) - ((5+5)/5) + 5)$
:= $((6+6)/6 + 6) \times (666 - 6/6) - 6 - 6$
:= $7 + (((7+7)/7 + 7) \times (7 \times (77 + 7) + 7/7))$
:= $(8 \times (8 \times (8 \times 8 + 8) + 88)) - 8 \times 8/(8+8)$
:= $((99/9) \times ((9+9)/9)^9) - (9+9) \times (9+9)$
- 5309 := $((1 + 1) \times ((1 + 1) \times (11^{1+1+1} - 1))) - 11$
:= $((22^{2/2+2} + 2)/2) - 2^{2+2}$
:= $((3/3 + 3) \times ((33/3)^3 - 3)) - 3$
:= $44 + ((4 - 4/4)^4 \times (4^4 + 4)/4)$
:= $5 + (((5+5) \times (555 - 5 \times 5)) - 5/5) + 5)$
:= $6 + (6 \times (666 + 6 \times 6 \times 6) + (66/6))$
:= $((77 - 7) \times (77 - 7/7)) - 77/7$
:= $8 + ((8 \times (8 \times (8 \times 8 + 8) + 88)) - (88/8))$
:= $9 + ((9/9 + 9) \times (((9+9)/9)^9 + 9) + 9)$
- 5310 := $(11 - 1) \times (1 + (1 + (1 + 11 + 11)^{1+1}))$
:= $2 + (((222 \times (22 + 2)) - 22) + 2)$
:= $(3 + 3) \times ((33 \times 3^3) - (3 + 3))$
:= $(4 + 4)/4 + (4 \times (((44/4)^{4-4/4} - 4))$
:= $5 + (((5+5) \times (555 - 5 \times 5)) + 5)$
:= $(6 - 6/6) \times (666 + 6 \times 66)$
:= $((77 - 7)/7) \times (7 \times 77 - (7/7 + 7))$
:= $(8 \times (8 \times (8 \times 8 + 8) + 88)) - (8 + 8)/8$
:= $(9 + 9) \times ((99 \times (9 + 9 + 9) - (9 + 9)/9)$
- 5311 := $(11 \times (((11 + 11)^{1+1} - 1)) - 1 - 1$
:= $(22/2 \times (22^2 - 2/2)) - 2$
:= $3/3 + ((3 + 3) \times ((33 \times 3^3) - (3 + 3)))$
:= $444/4 + ((4 \times 4 + 4) \times (4^4 + 4))$
:= $55/5 + ((5+5) \times (555 - 5 \times 5))$
:= $6/6 + ((6 - 6/6) \times (666 + 6 \times 66))$
:= $7 \times 777 - ((7+7)/7)^7$
:= $(8 \times (8 \times (8 \times 8 + 8) + 88)) - 8/8$
:= $9 \times 9 \times (9 \times 9 - 9) - (((9+9)/9)^9 + 9)$
- 5312 := $(11 \times (((11 + 11)^{1+1} - 1)) - 1$
:= $(222 \times (22 + 2)) - 2^{2+2}$
:= $(3/3 + 3) \times ((33/3)^3 - 3)$
:= $4 \times (((4 - 4/4) \times 444) - 4)$
:= $5555 - ((5 - (5+5)/5)^5)$
:= $((6+6)/6 + 6) \times (666 - ((6+6)/6))$
:= $(7 \times (777 - 7)) - 7/7 - 77$
:= $8 \times (8 \times (8 \times 8 + 8) + 88)$
:= $(9 - 9/9) \times ((9 - 9/9) \times (((9+9)/9) + 9 \times 9))$

$$\begin{aligned}
\blacktriangleright 5313 &:= 11 \times (((11 + 11)^{1+1}) - 1) \\
&:= 22/2 \times (22^2 - 2/2) \\
&:= 33 \times ((3 + 3) \times 3^3 - 3/3) \\
&:= 44/4 \times ((44 + 44 - 4)/4) \\
&:= 5/5 + (5555 - ((5 - (5 + 5)/5)^5)) \\
&:= (6/6 + 6) \times (((6 \times 6/(6 + 6))^6) - 6) + 6 \times 6 \\
&:= 77 \times (77 - (7/7 + 7)) \\
&:= 8/8 + (8 \times (8 \times (8 \times 8 + 8) + 88)) \\
&:= ((9 + 9 + 9)/9) \times ((9 + 9) \times 99 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5314 &:= 1 + (11 \times (((11 + 11)^{1+1}) - 1)) \\
&:= ((22 \times (22^2 - 2/2)) + 2)/2 \\
&:= 3/3 + (33 \times ((3 + 3) \times 3^3 - 3/3)) \\
&:= (4 + 4)/4 \times (((4 - 4/4) + 4)^4) + 4^4 \\
&:= 5 + (((5 + 5) \times (555 - 5 \times 5)) - 5/5) + 5 + 5 \\
&:= (((6 + 6)/6 + 6) \times (666 - 6/6)) - 6 \\
&:= 7/7 + (77 \times (77 - (7/7 + 7))) \\
&:= (8 + 8)/8 + (8 \times (8 \times (8 \times 8 + 8) + 88)) \\
&:= (((9 + 9)/9) - 9) + 9 \times 9^{(9+9)/9} - 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5315 &:= 1 + (1 + (11 \times (((11 + 11)^{1+1}) - 1))) \\
&:= 2 + (22/2 \times (22^2 - 2/2)) \\
&:= 3 + ((3/3 + 3) \times ((33/3)^3 - 3)) \\
&:= ((4 - 4/4) \times (4 \times 444 - 4)) - 4/4 \\
&:= 5 + (((5 + 5) \times (555 - 5 \times 5)) + 5) + 5 \\
&:= (6 - 6/6) \times ((666 + 6 \times 66) + 6/6) \\
&:= (7 + 7)/7 + (77 \times (77 - (7/7 + 7))) \\
&:= 8 + ((8/8 - 88) \times (88/8 - (8 \times 8 + 8))) \\
&:= 9 \times (((9 + 9)/9)^9 + 9 \times 9) - ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5316 &:= (1 + 1) \times (1 + 1) \times (11^{1+1+1} - 1 - 1) \\
&:= 2 \times (2 \times ((22/2)^{2/2+2} - 2)) \\
&:= 3 + (33 \times ((3 + 3) \times 3^3 - 3/3)) \\
&:= (4 - 4/4) \times (4 \times 444 - 4) \\
&:= 5 + (((5 + 5) \times (555 - 5 \times 5)) + (55/5)) \\
&:= (6 + 6) \times ((6 \times (66 + 6)) + (66/6)) \\
&:= 7 + (((77 - 7) \times (77 - 7/7)) - (77/7)) \\
&:= (8 - (8 + 8)/8) \times (888 - ((8 + 8)/8)) \\
&:= ((9 + 9 + 9)/9) \times ((9 + 9) \times 99 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5317 &:= 11 \times 111 + ((1 + 1)^{1+1+1}) \\
&:= (222 \times (22 + 2)) - 22/2 \\
&:= (3 \times (3 + 3))^3 - (((3 - 3/3)^{3 \times 3}) + 3) \\
&:= (((4 + 4) + 4) \times 444) - 44/4 \\
&:= 5 + (5555 - ((5 - (5 + 5)/5)^5)) \\
&:= (666 \times ((6 + 6)/6 + 6)) - 66/6 \\
&:= 7 \times 777 - (777 + 77)/7 \\
&:= (888 \times (8 - (8 + 8)/8)) - 88/8 \\
&:= 9 \times (((9 + 9)/9)^9 + 9 \times 9) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5318 &:= 1 + (11 \times 111 + ((1 + 1)^{1+1+1})) \\
&:= (22 \times 22^2/2) - 2 - 2 - 2 \\
&:= ((3/3 + 3) \times (33/3)^3) - 3 - 3 \\
&:= (4 - 44)/4 + (((4 + 4) + 4) \times 444) \\
&:= 5 + (5555 - ((5 - (5 + 5)/5)^5)) + 5/5 \\
&:= 6 + (((6 + 6)/6 + 6) \times (666 - ((6 + 6)/6))) \\
&:= 7 + (7 \times 777 - ((7 + 7)/7)^7) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 + 8) + 88)) - ((8 + 8)/8)) \\
&:= 9 + (((9/9 + 9) \times (((9 + 9)/9)^9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5319 &:= ((1 + 1) \times ((1 + 1) \times (11^{1+1+1} - 1))) - 1 \\
&:= (((22^{2/2+2}) - 2)/2) - 2 - 2 \\
&:= 3 \times (3 \times (3 \times 33 \times (3 + 3) - 3)) \\
&:= (4 - 4/4) \times ((4 \times 444 - 4) + 4/4) \\
&:= 5555 - (555/5 + 5 \times 5 \times 5) \\
&:= 6 \times 6 \times 6 + ((6/6 + 6) \times ((6 \times 6/(6 + 6))^6)) \\
&:= ((77 - 7) \times (77 - 7/7)) - 7/7 \\
&:= 8 + ((8 \times (8 \times (8 \times 8 + 8) + 88)) - 8/8) \\
&:= (9 + 9 + 9) \times ((99 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5320 &:= (1 + 1) \times ((1 + 1) \times (11^{1+1+1} - 1)) \\
&:= 2 \times ((22 \times (22/2)^2) - 2) \\
&:= (3/3 + 3) \times ((33/3)^3 - 3/3) \\
&:= (((4 + 4) + 4) \times 444) - 4 - 4 \\
&:= (55 + 5/5) \times (5 \times (5 \times 5 - 5) - 5) \\
&:= ((6 + 6)/6 + 6) \times (666 - 6/6) \\
&:= (77 - 7) \times (77 - 7/7) \\
&:= 8 + (8 \times (8 \times (8 \times 8 + 8) + 88)) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - ((9 + 9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5321 &:= 1 + ((1 + 1) \times ((1 + 1) \times (11^{1+1+1} - 1))) \\
&:= (((22^{2/2+2}) - 2)/2) - 2 \\
&:= ((3/3 + 3) \times (33/3)^3) - 3 \\
&:= 4 + (((4 + 4) + 4) \times 444) - 44/4 \\
&:= (((55 + 5)/5) + 5) \times (5^5 + 5)/(5 + 5) \\
&:= (666 \times ((6 + 6)/6 + 6)) - 6/6 - 6 \\
&:= 7/7 + ((77 - 7) \times (77 - 7/7)) \\
&:= (((8/8 + 8 \times 8) + 8)^{(8+8)/8}) - 8 \\
&:= 9/9 + (9 \times 9 \times (9 \times 9 - 9) - ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5322 &:= (1 + 1) \times (((1 + 1) \times 11^{1+1+1}) - 1) \\
&:= (22 \times 22^2/2) - 2 \\
&:= 3 + (3 \times (3 \times (3 \times 33 \times (3 + 3) - 3))) \\
&:= (4 - 4/4) \times (4 \times 444 - (4 + 4)/4) \\
&:= 5 + (5555 - ((5 - (5 + 5)/5)^5)) + 5 \\
&:= (666 \times ((6 + 6)/6 + 6)) - 6 \\
&:= (7 + 7)/7 + ((77 - 7) \times (77 - 7/7)) \\
&:= (8 - (8 + 8)/8) \times (888 - 8/8) \\
&:= ((9 + 9 + 9)/9) \times (((9 + 9) \times 99 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5323 &:= (11 \times ((11 + 11)^{1+1})) - 1 \\
&:= ((22^{2/2+2}) - 2)/2 \\
&:= ((3/3 + 3) \times (33/3)^3) - 3/3 \\
&:= (((4 + 4) + 4) \times 444) - 4/4 - 4 \\
&:= (555/5 \times (55 - ((5 + 5)/5 + 5))) - 5 \\
&:= (((66 + 6/6 + 6)^{(6+6)/6}) - 6) \\
&:= (7 \times (777 - (7 + 7))) - (77/7 + 7) \\
&:= 88/8 + (8 \times (8 \times (8 \times 8 + 8) + 88)) \\
&:= 9999/9 + ((9 + 9) \times (9 \times (9 + 9 + 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5324 &:= 11 \times ((11 + 11)^{1+1}) \\
&:= 22 \times 22^2/2 \\
&:= (3/3 + 3) \times (33/3)^3 \\
&:= 4 \times ((44/4)^{4-4/4}) \\
&:= (5 - 5/5) \times ((55/5)^{5-(5+5)/5}) \\
&:= 6/6 + (((66 + 6/6 + 6)^{(6+6)/6}) - 6) \\
&:= 77/7 + (77 \times (77 - (7/7 + 7))) \\
&:= 88/8 \times 88 \times 88/(8 + 8) \\
&:= 99/9 \times (((99 + 99)/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5325 &:= 1 + (11 \times ((11 + 11)^{1+1})) \\
&:= ((22^{2/2+2}) + 2)/2 \\
&:= ((3 + 3) \times ((33 \times 3^3) - 3)) - 3 \\
&:= 4/4 + (4 \times ((44/4)^{4-4/4})) \\
&:= 5 \times (((5 + 5) \times (555/5 - 5)) + 5) \\
&:= ((66 - 6/6) + 6) \times (666/6 - 6 \times 6) \\
&:= 7 + ((7 \times 777 - ((7 + 7)/7)^7) + 7) \\
&:= (88/8 + 8 \times 8) \times ((8 \times 8 - 8/8) + 8) \\
&:= 9 \times (((9 + 9)/9)^9 + 9 \times 9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5326 &:= 1 + (1 + (11 \times ((11 + 11)^{1+1}))) \\
&:= 2 + (22 \times 22^2/2) \\
&:= (((3 + 3)^3 + 3/3)^{3-3/3}) - 3 \\
&:= (((4 + 4) + 4) \times 444) - (4 + 4)/4 \\
&:= 5 + (((55 + 5)/5) + 5) \times (5^5 + 5)/(5 + 5) \\
&:= 6 + (((6 + 6)/6 + 6) \times (666 - 6/6)) \\
&:= 7 + (((77 - 7) \times (77 - 7/7)) - 7/7) \\
&:= (888 \times (8 - (8 + 8)/8)) - (8 + 8)/8 \\
&:= 9 \times (((9 + 9)/9)^9 + 9 \times 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5327 &:= 1 + (1 + (1 + (11 \times ((11 + 11)^{1+1})))) \\
&:= 2 + (((22^{2/2+2}) + 2)/2) \\
&:= 3 + ((3/3 + 3) \times (33/3)^3) \\
&:= (((4 + 4) + 4) \times 444) - 4/4 \\
&:= 5 + (((5555 - ((5 - (5 + 5)/5)^5)) + 5) + 5) \\
&:= (666 \times ((6 + 6)/6 + 6)) - 6/6 \\
&:= 7 + ((77 - 7) \times (77 - 7/7)) \\
&:= (888 \times (8 - (8 + 8)/8)) - 8/8 \\
&:= 9 \times (((9 + 9)/9)^9 + 9 \times 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5328 &:= (1+1) \times ((1+1) \times 1 + 11^{1+1+1}) \\
&:= 222 \times (22+2) \\
&:= (3+3) \times ((33 \times 3^3) - 3) \\
&:= ((4+4)+4) \times 444 \\
&:= 555/5 \times (55 - ((5+5)/5+5)) \\
&:= 666 \times ((6+6)/6+6) \\
&:= (7 \times 7 - 7/7) \times 777/7 \\
&:= 888 \times (8 - (8+8)/8) \\
&:= 9 \times (((9+9)/9)^9 + 9 \times 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5329 &:= (1 + ((1+11)^{1+1}/(1+1)))^{1+1} \\
&:= 2/2 + (222 \times (22+2)) \\
&:= (((3+3)^3 + 3)/3)^{3-3/3} \\
&:= 4/4 + (((4+4)+4) \times 444) \\
&:= ((5 \times (5+5+5)) - ((5+5)/5))^{(5+5)/5} \\
&:= (66+6/6+6)^{(6+6)/6} \\
&:= 7 \times 777 + ((7-777)/7) \\
&:= ((8/8+8 \times 8) + 8)^{(8+8)/8} \\
&:= ((9/9-9) + 9 \times 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5330 &:= 1 + ((1 + ((1+11)^{1+1}/(1+1)))^{1+1}) \\
&:= 2 + (222 \times (22+2)) \\
&:= 3 + (((3/3+3) \times (33/3)^3) + 3) \\
&:= (4+4)/4 + (((4+4)+4) \times 444) \\
&:= 5555 + (5 \times ((5-55)+5)) \\
&:= 6/6 + ((66+6/6+6)^{(6+6)/6}) \\
&:= (7 \times (777 - (7+7))) - 77/7 \\
&:= 8 + ((8 - (8+8)/8) \times (888 - 8/8)) \\
&:= 9/9 + (((9/9-9) + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5331 &:= 1 + (1 + ((1 + ((1+11)^{1+1}/(1+1)))^{1+1})) \\
&:= 2 + ((222 \times (22+2)) + 2/2) \\
&:= 3 + ((3+3) \times ((33 \times 3^3) - 3)) \\
&:= 4 + (((4+4)+4) \times 444) - 4/4 \\
&:= 55 + (((5/5+5)^5 - 5^5) + 5^5/5) \\
&:= (6+6)/6 + ((66+6/6+6)^{(6+6)/6}) \\
&:= 77/7 + ((77-7) \times (77-7/7)) \\
&:= 8 + ((8 \times (8 \times (8 \times 8+8) + 88)) + (88/8)) \\
&:= (9+9)/9 + (((9/9-9) + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5332 &:= (1+1) \times (1+1) \times (1+1+11^{1+1+1}) \\
&:= 2 + ((222 \times (22+2)) + 2) \\
&:= 3 + (((3+3)^3 + 3)/3)^{3-3/3} \\
&:= 4 + (((4+4)+4) \times 444) \\
&:= ((5+5)/5)^5 + ((5+5) \times (555 - 5 \times 5)) \\
&:= 6 + (((6+6)/6+6) \times (666 - 6/6)) + 6 \\
&:= (7 \times (777 - (7+7))) - ((7+7)/7+7) \\
&:= 8 + (88/8 \times 88 \times 88/(8+8)) \\
&:= ((9+9)/9) \times ((99 \times (9+9+9) - 9) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5333 &:= (11 \times (1 + ((11+11)^{1+1}))) - 1 - 1 \\
&:= (22/2 \times (22^2 + 2/2)) - 2 \\
&:= 3 \times 3 + ((3/3+3) \times (33/3)^3) \\
&:= 4 + (((4+4)+4) \times 444) + 4/4 \\
&:= 5 + (555/5 \times (55 - ((5+5)/5+5))) \\
&:= 6 + ((666 \times ((6+6)/6+6)) - 6/6) \\
&:= (7 \times (777 - (7+7))) - (7/7+7) \\
&:= 8 + ((88/8+8 \times 8) \times ((8 \times 8 - 8/8) + 8)) \\
&:= 9 + ((99/9) \times (((99+99)/9)^{(9+9)/9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5334 &:= (11 \times (1 + ((11+11)^{1+1}))) - 1 \\
&:= 2 + (((222 \times (22+2)) + 2) + 2) \\
&:= 3 + (((3+3) \times ((33 \times 3^3) - 3)) + 3) \\
&:= 4 + (((4+4)+4) \times 444) + (4+4)/4 \\
&:= 5 + (((5 \times (5+5+5)) - ((5+5)/5))^{(5+5)/5}) \\
&:= 6 + (666 \times ((6+6)/6+6)) \\
&:= (7 \times (777 - (7+7))) - 7 \\
&:= (8 - (8+8)/8) \times (888 + 8/8) \\
&:= (9 - ((9+9+9)/9)) \times (9 \times 99 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5335 &:= 11 \times (1 + ((11+11)^{1+1})) \\
&:= 22/2 \times (22^2 + 2/2) \\
&:= (33 \times (3+3) \times 3^3) - 33/3 \\
&:= 44/4 \times ((44+44+4)/4) \\
&:= 55 + (5555 - 5 \times 55) \\
&:= 6 + ((66+6/6+6)^{(6+6)/6}) \\
&:= 7 + ((7 \times 7 - 7/7) \times 777/7) \\
&:= 8 + ((888 \times (8 - (8+8)/8)) - 8/8) \\
&:= 99/9 \times (((9+9)/9)^9) - (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5336 &:= 1 + (11 \times (1 + ((11+11)^{1+1}))) \\
&:= 2 \times (2 \times (((2+2+2) \times 222) + 2)) \\
&:= (3/3+3) \times ((33/3)^3 + 3) \\
&:= 4 + (((4+4)+4) \times 444) + 4 \\
&:= 55 + ((5555 - 5 \times 55) + 5/5) \\
&:= ((6+6)/6+6) \times (666+6/6) \\
&:= 7 + (((7-777)/7) + 7 \times 777) \\
&:= 8 + (888 \times (8 - (8+8)/8)) \\
&:= 9 \times (((9+9)/9)^9 + 9 \times 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5337 &:= 1 + (1 + (11 \times (1 + ((11+11)^{1+1})))) \\
&:= 2 + (22/2 \times (22^2 + 2/2)) \\
&:= 3 \times ((3 \times 3 \times 33 \times (3+3)) - 3) \\
&:= 4 + (((4+4)+4) \times 444) + 4/4 + 4 \\
&:= 5 \times 5 + (5555 - ((5 - (5+5)/5)^5)) \\
&:= 6/6 + (((6+6)/6+6) \times (666+6/6)) \\
&:= 7 + ((7 \times (777 - (7+7))) - (77/7)) \\
&:= 8 + (((8/8+8 \times 8) + 8)^{(8+8)/8}) \\
&:= 9 \times (((9+9)/9)^9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5338 &:= 1 + (1 + (1 + (11 \times (1 + ((11+11)^{1+1})))))) \\
&:= 2 + ((222 \times (22+2)) + 2 \times (2+2)) \\
&:= 3 + ((33 \times (3+3) \times 3^3) - 33/3) \\
&:= (44-4)/4 + (((4+4)+4) \times 444) \\
&:= ((5 - (5+5)/5)^5) + (5 \times ((5-5/5)^5 - 5)) \\
&:= ((66-6)/6) + (666 \times ((6+6)/6+6)) \\
&:= 7 \times 777 - (7777/77) \\
&:= 8 + (((8 - (8+8)/8) \times (888 - 8/8)) + 8) \\
&:= 9 + (((9/9-9) + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5339 &:= 11 + (1+1) \times (1+1) \times (1+11^{1+1+1}) \\
&:= 22/2 + (222 \times (22+2)) \\
&:= 3 + ((3/3+3) \times ((33/3)^3 + 3)) \\
&:= 44/4 + (((4+4)+4) \times 444) \\
&:= 5^5 + ((5-5/5) \times 555 - (5/5+5)) \\
&:= 66/6 + (666 \times ((6+6)/6+6)) \\
&:= (7 \times (777 - (7+7))) - (7+7)/7 \\
&:= 88/8 + (888 \times (8 - (8+8)/8)) \\
&:= (9+9)/9 + 9 \times (((9+9)/9)^9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5340 &:= (1+11) \times (1 + ((1+1) \times (1+1) \times 111)) \\
&:= 2^{2+2} + (22 \times 22^2/2) \\
&:= (3+3) \times ((33 \times 3^3) - 3/3) \\
&:= 4 \times (((44/4)^{4-4/4}) + 4) \\
&:= 5^5 + ((5-5/5) \times 555 - 5) \\
&:= 6 + ((666 \times ((6+6)/6+6)) + 6) \\
&:= (7 \times (777 - (7+7))) - 7/7 \\
&:= (8 - (8+8)/8) \times (888 + ((8+8)/8)) \\
&:= (9 - ((9+9+9)/9)) \times (9 \times 99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5341 &:= 1 + ((1+11) \times (1 + ((1+1) \times (1+1) \times 111))) \\
&:= 2 + ((222 \times (22+2)) + 22/2) \\
&:= 3/3 + ((3+3) \times ((33 \times 3^3) - 3/3)) \\
&:= 4/4 + (4 \times (((44/4)^{4-4/4}) + 4)) \\
&:= 5^5 + ((5-5/5) \times (555 - 5/5)) \\
&:= 6 + (((66+6/6+6)^{(6+6)/6}) + 6) \\
&:= 7 \times (777 - (7+7)) \\
&:= 8 + (((88/8+8 \times 8) \times ((8 \times 8 - 8/8) + 8)) + 8) \\
&:= (9/9+99+9) \times ((9 \times 99 - 9)/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5342 &:= (1+1) \times (11 + ((1+1) \times (11^{1+1+1} - 1))) \\
&:= (22 \times (22^2 + 2)/2) - 2 - 2 \\
&:= (33 \times (3+3) \times 3^3) - (3/3+3) \\
&:= ((4-4/4)^4 \times ((4^4+4+4)/4)) - 4 \\
&:= 5^5 + (((5+5)/5) \times 5555/5) - 5 \\
&:= 6 + (((6+6)/6+6) \times (666+6/6)) \\
&:= 7/7 + (7 \times (777 - (7+7))) \\
&:= 8 + ((8 - (8+8)/8) \times (888 + 8/8)) \\
&:= ((9+9)/9) \times (99 \times (9+9+9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5343 &:= 1 + ((1 + 1) \times (11 + ((1 + 1) \times (11^{1+1+1} - 1)))) \\
&:= ((22 \times (22^2 + 2) - 2)/2) - 2 \\
&:= (33 \times (3 + 3) \times 3^3) - 3 \\
&:= 4 + (((4 + 4) + 4) \times 444) + 44/4 \\
&:= 5^5 + ((5 - 5/5) \times 555 - ((5 + 5)/5)) \\
&:= 6 + (((6 + 6)/6 + 6) \times (666 + 6/6)) + 6/6 \\
&:= (7 + 7)/7 + (7 \times (777 - (7 + 7))) \\
&:= 8 + (((888 \times (8 - (8 + 8)/8)) - 8/8) + 8) \\
&:= (9 + 9 + 9)/9 \times ((9 + 9) \times 99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5344 &:= (1 + 1) \times (11 + (((1 + 1) \times 11^{1+1+1}) - 1)) \\
&:= (22 \times (22^2 + 2)/2) - 2 \\
&:= 3/3 + ((33 \times (3 + 3) \times 3^3) - 3) \\
&:= 4 \times (((4 - 4/4) \times 444) + 4) \\
&:= 5^5 + ((5 - 5/5) \times 555 - 5/5) \\
&:= ((6 + 6)/6 + 6) \times (666 + (6 + 6)/6) \\
&:= (7 + 7 + 7)/7 + (7 \times (777 - (7 + 7))) \\
&:= 8 + ((888 \times (8 - (8 + 8)/8)) + 8) \\
&:= (9 + 9)/9 \times (99 \times (9 + 9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5345 &:= (11 \times (1 + (1 + ((11 + 11)^{1+1})))) - 1 \\
&:= (22 \times (22^2 + 2) - 2)/2 \\
&:= (33 \times (3 + 3) \times 3^3) - 3/3 \\
&:= 4 \times 4 + (((4 + 4) + 4) \times 444) + 4/4 \\
&:= 5^5 + (5 - 5/5) \times 555 \\
&:= 6 + ((666 \times ((6 + 6)/6 + 6)) + (66/6)) \\
&:= 77/7 + ((7 \times (777 - (7 + 7))) - 7) \\
&:= 8 + (((8/8 + 8 \times 8) + 8)^{(8+8)/8} + 8) \\
&:= (99 \times (9 \times 9 - (9 + 9 + 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5346 &:= 11 \times (1 + (1 + ((11 + 11)^{1+1}))) \\
&:= 22 \times (22^2 + 2)/2 \\
&:= 33 \times (3 + 3) \times 3^3 \\
&:= (4 - 4/4)^4 \times ((4^4 + 4 + 4)/4) \\
&:= 5^5 + ((5 - 5/5) \times 555 + 5/5) \\
&:= 66 \times ((666/6 - 6 \times 6) + 6) \\
&:= 7 + ((7 \times (777 - (7 + 7))) - ((7 + 7)/7)) \\
&:= (((8 + 8)/8) + 8 \times 8) \times ((8/8 - 8) + 88) \\
&:= 99 \times (9 \times 9 - (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5347 &:= 1 + (11 \times (1 + (1 + ((11 + 11)^{1+1})))) \\
&:= (22 \times (22^2 + 2) + 2)/2 \\
&:= 3/3 + (33 \times (3 + 3) \times 3^3) \\
&:= 4 + (((4 + 4) + 4) \times 444) + 44/4 + 4 \\
&:= 5^5 + ((5 + 5)/5 \times 5555/5) \\
&:= 6 + (((66 + 6/6 + 6)^{(6+6)/6} + 6) + 6) \\
&:= 7 + ((7 \times (777 - (7 + 7))) - 7/7) \\
&:= 8 + ((888 \times (8 - (8 + 8)/8)) + (88/8)) \\
&:= 9/9 + (99 \times (9 \times 9 - (9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5348 &:= 1 + (1 + (11 \times (1 + (1 + ((11 + 11)^{1+1})))))) \\
&:= 2 + (22 \times (22^2 + 2)/2) \\
&:= 3 + ((33 \times (3 + 3) \times 3^3) - 3/3) \\
&:= 4 + (((4 + 4) + 4) \times 444) + 4 \times 4 \\
&:= 55 \times (55 + 5) + (((5 + 5)/5)^{55/5}) \\
&:= 6 + (((6 + 6)/6 + 6) \times (666 + 6/6)) + 6 \\
&:= 7 + (7 \times (777 - (7 + 7))) \\
&:= 8 + ((8 - (8 + 8)/8) \times (888 + ((8 + 8)/8))) \\
&:= (9 + 9)/9 + (99 \times (9 \times 9 - (9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5349 &:= 1 + (1 + (1 + (11 \times (1 + (1 + ((11 + 11)^{1+1})))))) \\
&:= 2 + ((22 \times (22^2 + 2) + 2)/2) \\
&:= 3 + (33 \times (3 + 3) \times 3^3) \\
&:= 4 + (((4 + 4) + 4) \times 444) + 4 \times 4 + 4/4 \\
&:= 5^5 + ((5 - 5/5) \times (555 + 5/5)) \\
&:= ((6/6 + 6) \times (((6 \times 6/(6 + 6))^6 + 6 \times 6)) - 6) \\
&:= 7 + ((7 \times (777 - (7 + 7))) + 7/7) \\
&:= (8 \times 8 - 8) \times (88 + 8) - (88/8 + 8 + 8) \\
&:= (9 + 9 + 9)/9 \times ((9 + 9) \times 99 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5350 &:= (1 + 1) \times (11 + (1 + 1) \times (1 + 11^{1+1+1})) \\
&:= 22 + (222 \times (22 + 2)) \\
&:= 3 + ((33 \times (3 + 3) \times 3^3) + 3/3) \\
&:= 4 + ((4 - 4/4)^4 \times ((4^4 + 4 + 4)/4)) \\
&:= (5 + 5) \times (555 - 5 \times 5 + 5) \\
&:= 6 + (((6 + 6)/6 + 6) \times (666 + (6 + 6)/6)) \\
&:= 7 + ((7 \times (777 - (7 + 7))) + ((7 + 7)/7)) \\
&:= 8 + (((8 - (8 + 8)/8) \times (888 + 8/8)) + 8) \\
&:= (9/9 + 9) \times ((99 \times 99 - 9)/(9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5351 &:= ((1 + 1) \times ((1 + 11) \times (1 + (1 + 1) \times 111))) - 1 \\
&:= 2 + (((22 \times (22^2 + 2) + 2)/2) + 2) \\
&:= 3^3 + ((3/3 + 3) \times (33/3)^3) \\
&:= ((4 + 4) \times ((4/4 + 4)^4 + 44)) - 4/4 \\
&:= 5/5 + ((5 + 5) \times (555 - 5 \times 5 + 5)) \\
&:= 6 + (((666 \times ((6 + 6)/6 + 6)) + (66/6)) + 6) \\
&:= 7 \times 777 - (77/7 + 77) \\
&:= (8 \times 8 - 8) \times (88 + 8) - (8/8 + 8 + 8 + 8) \\
&:= 9 \times 9 \times 9 \times 9 - (9999/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5352 &:= (1 + 1) \times ((1 + 11) \times (1 + (1 + 1) \times 111)) \\
&:= (22 + 2) \times (222 + 2/2) \\
&:= 3 + ((33 \times (3 + 3) \times 3^3) + 3) \\
&:= (4 + 4) \times ((4/4 + 4)^4 + 44) \\
&:= 5 + (((5 + 5)/5 \times 5555/5) + 5^5) \\
&:= 6 + (((6 + 6) \times (6 \times 66 - 6)) + 666) \\
&:= 77/7 + (7 \times (777 - (7 + 7))) \\
&:= (8 \times 8 - 8) \times (88 + 8) - 8 - 8 - 8 \\
&:= (9 - ((9 + 9 + 9)/9)) \times (9 \times 99 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5353 &:= 1 + ((1 + 1) \times ((1 + 11) \times (1 + (1 + 1) \times 111))) \\
&:= 2/2 + ((22 + 2) \times (222 + 2/2)) \\
&:= 3 + (((33 \times (3 + 3) \times 3^3) + 3/3) + 3) \\
&:= 4/4 + ((4 + 4) \times ((4/4 + 4)^4 + 44)) \\
&:= 5^5 + ((5 - 5/5) \times (555 + (5 + 5)/5)) \\
&:= (6 \times ((6 \times ((6 + 6) \times (6 + 6) + 6)) - 6)) - 66/6 \\
&:= (77 + 7)/7 + (7 \times (777 - (7 + 7))) \\
&:= 8 + (((8/8 + 8 \times 8) + 8)^{(8+8)/8} + 8) + 8 \\
&:= 9 + (((9 + 9)/9) \times (99 \times (9 + 9 + 9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5354 &:= (1 + 1) \times (1 + ((1 + 11) \times (1 + (1 + 1) \times 111))) \\
&:= 2 + ((22 + 2) \times (222 + 2/2)) \\
&:= 3 + (((3/3 + 3) \times (33/3)^3) + 3^3) \\
&:= 4 + (((4 - 4/4)^4 \times ((4^4 + 4 + 4)/4)) + 4) \\
&:= 5 + (((5 - 5/5) \times (555 + 5/5)) + 5^5) \\
&:= 6 + (((6 + 6)/6 + 6) \times (666 + 6/6)) + 6 + 6 \\
&:= 7 \times 777 - (7/7 + 77 + 7) \\
&:= 8 + (((8 + 8)/8) + 8 \times 8) \times ((8/8 - 8) + 88) \\
&:= 9 + ((99 \times (9 \times 9 - (9 + 9 + 9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5355 &:= 1 + ((1 + 1) \times (1 + ((1 + 11) \times (1 + (1 + 1) \times 111)))) \\
&:= (2/2 - 22) \times (2/2 - 2^{2 \times (2+2)}) \\
&:= 3 \times ((3 \times 3 \times 33 \times (3 + 3)) + 3) \\
&:= ((4^4 - 4)/4) \times ((4 - 4/4)^4 + 4) \\
&:= 5 + ((5 + 5) \times (555 - 5 \times 5 + 5)) \\
&:= (6/6 + 6) \times (((6 \times 6/(6 + 6))^6 + 6 \times 6)) \\
&:= 7 \times 777 - 77 - 7 \\
&:= (8/8 - 8 \times 8) \times (88/8 - (88 + 8)) \\
&:= 9 + (99 \times (9 \times 9 - (9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5356 &:= (((1 + 1 + 1)^{11-1} - 1)/11) - 1 - 11 \\
&:= 2 + (((22 + 2) \times (222 + 2/2)) + 2) \\
&:= 3^3 + (((3 + 3)^3 + 3/3)^{3-3/3}) \\
&:= 4 + ((4 + 4) \times ((4/4 + 4)^4 + 44)) \\
&:= 5 + (((5 + 5) \times (555 - 5 \times 5 + 5)) + 5/5) \\
&:= (6 \times (6 \times 6 \times 6 - 6)) + (((6 + 6)/6)^{6+6}) \\
&:= 7/7 + (7 \times 777 - (77 + 7)) \\
&:= (888/8 - 8) \times ((88/(8 + 8)/8) + 8) \\
&:= 9 + ((99 \times (9 \times 9 - (9 + 9 + 9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5357 &:= 11 \times (1 + (1 + (1 + ((11 + 11)^{1+1})))) \\
&:= 22/2 \times ((22^2 + 2/2) + 2) \\
&:= 33 + ((3/3 + 3) \times (33/3)^3) \\
&:= 444 + ((4 \times 4 + 4/4)^{4-4/4}) \\
&:= 5^5 + ((5 + 5)/5 \times (5555/5 + 5)) \\
&:= 66 + (6 \times (666 + 6 \times 6 \times 6) - 6/6) \\
&:= (7 + 7)/7 + (7 \times 777 - (77 + 7)) \\
&:= (8 \times 8 - 8) \times (88 + 8) - (88/8 + 8) \\
&:= 99/9 + (99 \times (9 \times 9 - (9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5358 &:= (((1+1+1)^{11-1}) - 111)/11 \\
&:= (2/2+2) \times ((2 \times 22 - 2)^2 + 22) \\
&:= 3 + ((33 \times (3+3) \times 3^3) + 3 \times 3) \\
&:= (4 - 4/4) \times (4 \times 444 + (44 - 4)/4) \\
&:= ((5 - (5+5)/5)^5) + (5 \times (5 - 5/5)^5 - 5) \\
&:= 66 + 6 \times (666 + 6 \times 6 \times 6) \\
&:= 7 + (7 \times 777 - (77/7 + 77)) \\
&:= (8 - 88)/8 + ((8 \times 8 - 8) \times (88 + 8) - 8) \\
&:= 9 + (((9+9+9)/9) \times ((9+9) \times 99 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5359 &:= 1 + (((1+1+1)^{11-1}) - 111)/11) \\
&:= 2 + (22/2 \times ((22^2 + 2/2) + 2)) \\
&:= 3 + (((33 \times (3+3) \times 3^3) + 3 \times 3) + 3/3) \\
&:= 4 + (((4^4 - 4)/4) \times ((4 - 4/4)^4 + 4)) \\
&:= (5 \times (((5 - 5/5)^5 - 5) + 55)) - 55/5 \\
&:= 6 \times 6 + (((66 + 6/6 + 6)^{(6+6)/6}) - 6) \\
&:= 7 + ((7 \times (777 - (7+7))) + (77/7)) \\
&:= (8 \times 8 - 8) \times (88 + 8) - (8/8 + 8 + 8) \\
&:= 9 + ((9/9 + 9) \times ((99 \times 99 - 9)/(9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5360 &:= 1 + (1 + (((1+1+1)^{11-1}) - 111)/11)) \\
&:= 2 \times (2 \times ((2+2+2)^{2+2} + 2 \times 22)) \\
&:= (3/3 + 3) \times ((33/3)^3 + 3 \times 3) \\
&:= 4 \times (((4+4)/4 + 4)^4 + 44) \\
&:= 5 + (((5+5) \times (555 - 5 \times 5 + 5)) + 5) \\
&:= ((6+6)/6 + 6) \times ((666 - ((6+6)/6)) + 6) \\
&:= 7 \times 777 - ((7+7)/7 + 77) \\
&:= (8 \times 8 - 8) \times (88 + 8) - 8 - 8 \\
&:= (9/9 + 9) \times (((99 \times 99 + 9)/(9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5361 &:= 1 + (1 + (1 + (((1+1+1)^{11-1}) - 111)/11))) \\
&:= 2 + ((22/2 \times ((22^2 + 2/2) + 2)) + 2) \\
&:= ((3+3) \times ((33 \times 3^3) + 3)) - 3 \\
&:= 4/4 + (4 \times (((4+4)/4 + 4)^4 + 44)) \\
&:= 5^5 + ((5 - 5/5) \times (555 - 5/5 + 5)) \\
&:= 6 + ((6/6 + 6) \times (((6 \times 6)/(6+6))^6 + 6 \times 6)) \\
&:= 7 \times 777 - 7/7 - 77 \\
&:= 8/8 + ((8 \times 8 - 8) \times (88 + 8) - (8 + 8)) \\
&:= 9 + ((9 - ((9+9+9)/9)) \times (9 \times 99 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5362 &:= (1+1) \times (((1+1) \times (11 + (11^{1+1+1} - 1))) - 1) \\
&:= 2^{2+2} + (22 \times (22^2 + 2)/2) \\
&:= 3/3 + (((3+3) \times ((33 \times 3^3) + 3)) - 3) \\
&:= 4 \times 4 + ((4 - 4/4)^4 \times ((4^4 + 4 + 4)/4)) \\
&:= 5 + (((5+5)/5 \times (5555/5 + 5)) + 5^5) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 - 6)) + (((6+6)/6)^{6+6})) \\
&:= 7 \times 777 - 77 \\
&:= (8 - 8/8) \times (8 \times (88 + 8) - ((8+8)/8)) \\
&:= ((9+9)/9) \times ((99 \times (9+9+9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5363 &:= 11 + ((1+1) \times ((1+11) \times (1 + (1+1) \times 111))) \\
&:= 2^{2+2} + ((22 \times (22^2 + 2) + 2)/2) \\
&:= ((3+3) \times ((33 \times 3^3) + 3)) - 3/3 \\
&:= 4 + (((4^4 - 4)/4) \times ((4 - 4/4)^4 + 4)) + 4 \\
&:= ((5 - (5+5)/5)^5) + 5 \times (5 - 5/5)^5 \\
&:= (6 \times ((6 \times ((6+6) \times (6+6) + 6)) - 6)) - 6/6 \\
&:= 7/7 + (7 \times 777 - 77) \\
&:= 8 + ((8/8 - 8 \times 8) \times (88/8 - (88 + 8))) \\
&:= 9 + (((99 \times (9 \times 9 - (9+9+9))) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5364 &:= (1+1) \times ((1+1) \times (11 + (11^{1+1+1} - 1))) \\
&:= 2 \times ((2 \times (22 + 2 + 2))^2 - 22) \\
&:= (3+3) \times ((33 \times 3^3) + 3) \\
&:= 4 + (4 \times (((4+4)/4 + 4)^4 + 44)) \\
&:= 5^5 + ((5 - 5/5) \times (555 + 5) - 5/5) \\
&:= 6 \times ((6 \times ((6+6) \times (6+6) + 6)) - 6) \\
&:= (7+7)/7 + (7 \times 777 - 77) \\
&:= ((88 + 8)/8) \times (8 \times (8 \times 8 - 8) - 8/8) \\
&:= 9 + ((99 \times (9 \times 9 - (9+9+9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5365 &:= (1 + (1 + 11)^{1+1}) \times (111/(1+1+1)) \\
&:= 22 \times (22^2/2 + 2) - 2/2 - 2 \\
&:= 3/3 + ((3+3) \times ((33 \times 3^3) + 3)) \\
&:= 4^4 + (4^4 \times (4 \times 4 + 4) - 44/4) \\
&:= 5^5 + (5 - 5/5) \times (555 + 5) \\
&:= 6 \times 6 + ((66 + 6/6 + 6)^{(6+6)/6}) \\
&:= 7 \times 777 + (((7+7+7)/7) - 77) \\
&:= (8 \times 8 - 8) \times (88 + 8) - 88/8 \\
&:= 9 + (((99 \times (9 \times 9 - (9+9+9))) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5366 &:= (((1+1+1)^{11-1}) - 1)/11 - 1 - 1 \\
&:= 22 \times (22^2/2 + 2) - 2 \\
&:= 3 + (((3+3) \times ((33 \times 3^3) + 3)) - 3/3) \\
&:= 4^4 + (4^4 \times (4 \times 4 + 4) + (4 - 44)/4) \\
&:= 5^5 + ((5 - 5/5) \times (555 + 5) + 5/5) \\
&:= (6+6)/6 + (6 \times ((6 \times ((6+6) \times (6+6) + 6)) - 6)) \\
&:= 77/7 + (7 \times 777 - (77 + 7)) \\
&:= (8 - 88)/8 + (8 \times 8 - 8) \times (88 + 8) \\
&:= 9 + ((99 \times (9 \times 9 - (9+9+9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5367 &:= (((1+1+1)^{11-1}) - 1)/11 - 1 \\
&:= 22 \times (22^2/2 + 2) - 2/2 \\
&:= 3 + ((3+3) \times ((33 \times 3^3) + 3)) \\
&:= (44 \times (444 + 44)/4) - 4/4 \\
&:= 55 + (5555 - ((5 - (5+5)/5)^5)) \\
&:= 666/6 + ((6+6) \times ((6 \times (66 + 6)) + 6)) \\
&:= 7 + (7 \times 777 - ((7+7)/7 + 77)) \\
&:= (8 \times 8 - 8) \times (88 + 8) - (8/8 + 8) \\
&:= 9 + (((9+9+9)/9) \times ((9+9) \times 99 + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5368 &:= (((1+1+1)^{11-1}) - 1)/11 \\
&:= 22 \times (22^2/2 + 2) \\
&:= 3 + (((3+3) \times ((33 \times 3^3) + 3)) + 3/3) \\
&:= 44 \times (444 + 44)/4 \\
&:= 5 + (((5 - (5+5)/5)^5) + 5 \times (5 - 5/5)^5) \\
&:= ((6+6)/6 + 6) \times ((666 - 6/6) + 6) \\
&:= 7 + (7 \times 777 - (7/7 + 77)) \\
&:= (8 \times 8 - 8) \times (88 + 8) - 8 \\
&:= 99/9 \times ((9+9) \times (9+9+9) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5369 &:= 1 + (((1+1+1)^{11-1}) - 1)/11) \\
&:= 2/2 + 22 \times (22^2/2 + 2) \\
&:= 33 + (((3/3 + 3) \times ((33/3)^3 + 3)) \\
&:= 4/4 + (44 \times (444 + 44)/4) \\
&:= (5 \times (((5 - 5/5)^5 - 5) + 55)) - 5/5 \\
&:= 6666 - (6 \times 6 \times 6 \times 6 + 6/6) \\
&:= 7 + (7 \times 777 - 77) \\
&:= 8/8 + ((8 \times 8 - 8) \times (88 + 8) - 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5370 &:= 1 + (1 + (((1+1+1)^{11-1}) - 1)/11)) \\
&:= 2 + 22 \times (22^2/2 + 2) \\
&:= 3 + (((3+3) \times ((33 \times 3^3) + 3)) + 3) \\
&:= 44 + (((4+4) + 4) \times 444 - (4+4)/4) \\
&:= 5 \times (((5 - 5/5)^5 - 5) + 55) \\
&:= 6666 - 6 \times 6 \times 6 \times 6 \\
&:= 7 + ((7 \times 777 - 77) + 7/7) \\
&:= (8+8)/8 + ((8 \times 8 - 8) \times (88 + 8) - 8) \\
&:= (9/9 + 9) \times (9 \times (9 \times 9 - 9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5371 &:= 1 + (1 + (1 + (((1+1+1)^{11-1}) - 1)/11))) \\
&:= 2 + (22 \times (22^2/2 + 2) + 2/2) \\
&:= 3 + (((3+3) \times ((33 \times 3^3) + 3)) + 3/3 + 3) \\
&:= 44 + (((4+4) + 4) \times 444 - 4/4) \\
&:= 5/5 + (5 \times (((5 - 5/5)^5 - 5) + 55)) \\
&:= 6/6 + (6666 - 6 \times 6 \times 6 \times 6) \\
&:= 7 + ((7 \times 777 - 77) + ((7+7)/7)) \\
&:= 88/8 + ((8 \times 8 - 8) \times (88 + 8) - (8 + 8)) \\
&:= ((99/9) \times (((9+9)/9)^9 - 9)) - 9 \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5372 &:= (1+1) \times ((1+1) \times (1 + (11 + 11^{1+1+1}))) \\
&:= 2 + (22 \times (22^2/2 + 2) + 2) \\
&:= 3^3 + ((33 \times (3+3) \times 3^3) - 3/3) \\
&:= 44 + (((4+4) + 4) \times 444) \\
&:= (5+5)/5 + (5 \times (((5 - 5/5)^5 - 5) + 55)) \\
&:= 6 \times 6 + (((6+6)/6 + 6) \times (666 + 6/6)) \\
&:= (7 \times (777 - 7)) - (77/7 + 7) \\
&:= (8 \times 8 - 8) \times (88 + 8) - 8 \times 8/(8+8) \\
&:= 999 + (9 \times (9+9) \times (9+9+9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5373 &:= 1 + ((1+1) \times ((1+1) \times (1 + (11 + 11^{1+1+1})))) \\
&:= (22+2) \times (222+2) - 2/2 - 2 \\
&:= 3 \times (3 \times (3 \times 33 \times (3+3) + 3)) \\
&:= 44 + (((4+4) + 4) \times 444) + 4/4 \\
&:= (5 \times (5 \times (5 \times 55 - (55+5)))) - (5+5)/5 \\
&:= 6 + (((6+6) \times ((6 \times (66+6)) + 6)) + 666/6) \\
&:= 77/7 + (7 \times 777 - 77) \\
&:= 8 + ((8 \times 8 - 8) \times (88+8) - (88/8)) \\
&:= 999 + 9 \times (9+9) \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5374 &:= (1+1) \times (((1+1) \times ((1+11) \times (1+111))) - 1) \\
&:= (22+2) \times (222+2) - 2 \\
&:= 3^3 + ((33 \times (3+3) \times 3^3) + 3/3) \\
&:= 4^4 + (4^4 \times (4 \times 4 + 4) - (4+4)/4) \\
&:= (5 \times (5 \times (5 \times 55 - (55+5)))) - 5/5 \\
&:= 6 + (((6+6)/6 + 6) \times ((666 - 6/6) + 6)) \\
&:= 7 \times 777 + ((77+7)/7 - 77) \\
&:= (8 \times 8 - 8) \times (88+8) - (8+8)/8 \\
&:= 9/9 + (9 \times (9+9) \times (9+9+9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5375 &:= ((1+1) \times ((1+1) \times ((1+11) \times (1+111)))) - 1 \\
&:= (22+2) \times (222+2) - 2/2 \\
&:= 33/3 + ((3+3) \times ((33 \times 3^3) + 3)) \\
&:= 4^4 + (4^4 \times (4 \times 4 + 4) - 4/4) \\
&:= 5 \times (5 \times (5 \times 55 - (55+5))) \\
&:= (6 - 6/6) \times ((6666/6) - 6 \times 6) \\
&:= (7 \times (777 - 7)) - (7/7 + 7 + 7) \\
&:= (8 \times 8 - 8) \times (88+8) - 8/8 \\
&:= 9 + (((99 \times (9 \times 9 - (9+9+9))) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5376 &:= (1+1) \times ((1+1) \times ((1+11) \times (1+111))) \\
&:= (22+2) \times (222+2) \\
&:= ((3/3+3)^3) \times (3 \times 3^3 + 3) \\
&:= 4^4 + 4^4 \times (4 \times 4 + 4) \\
&:= 5/5 + (5 \times (5 \times (5 \times 55 - (55+5)))) \\
&:= ((6+6)/6 + 6) \times (666+6) \\
&:= (7 \times 7 - 7) \times ((7+7)/7)^7 \\
&:= (8 \times 8 - 8) \times (88+8) \\
&:= ((9+9+9)/9) \times (((9+9) \times 99 + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5377 &:= 1 + ((1+1) \times ((1+1) \times ((1+11) \times (1+111)))) \\
&:= 2/2 + (22+2) \times (222+2) \\
&:= 3/3 + (((3/3+3)^3) \times (3 \times 3^3 + 3)) \\
&:= 4/4 + (4^4 \times (4 \times 4 + 4) + 4^4) \\
&:= (5+5)/5 + (5 \times (5 \times (5 \times 55 - (55+5)))) \\
&:= 6/6 + (((6+6)/6 + 6) \times (666+6)) \\
&:= 7/7 + ((7 \times 7 - 7) \times ((7+7)/7)^7) \\
&:= 8/8 + (8 \times 8 - 8) \times (88+8) \\
&:= (((((9+9)/9) - 9) + 9 \times 9)^{(9+9)/9}) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5378 &:= 11 + (((((1+1+1)^{11-1}) - 1)/11) - 1) \\
&:= 2 + (22+2) \times (222+2) \\
&:= 33 + ((33 \times (3+3) \times 3^3) - 3/3) \\
&:= 4^4 + (4^4 \times (4 \times 4 + 4) + (4+4)/4) \\
&:= 5 + ((5 \times (5 \times (5 \times 55 - (55+5)))) - ((5+5)/5)) \\
&:= (6+6)/6 + (((6+6)/6 + 6) \times (666+6)) \\
&:= (7 \times (777 - 7)) - (77+7)/7 \\
&:= (8+8)/8 + (8 \times 8 - 8) \times (88+8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) - 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5379 &:= 11 + (((((1+1+1)^{11-1}) - 1)/11)) \\
&:= 2 + (22+2) \times (222+2) + 2/2 \\
&:= 33 + (33 \times (3+3) \times 3^3) \\
&:= 4 + ((4^4 \times (4 \times 4 + 4) - 4/4) + 4^4) \\
&:= 5 + ((5 \times (5 \times (5 \times 55 - (55+5)))) - 5/5) \\
&:= 66/6 \times (666 - (666/6 + 66)) \\
&:= (7 \times (777 - 7)) - 77/7 \\
&:= 88/8 + ((8 \times 8 - 8) \times (88+8) - 8) \\
&:= ((9+9+9)/9) \times ((9+9) \times 99 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5380 &:= 1 + (11 + (((((1+1+1)^{11-1}) - 1)/11)) \\
&:= 2 + (22+2) \times (222+2) + 2 \\
&:= 3/3 + ((33 \times (3+3) \times 3^3) + 33) \\
&:= 4 + (4^4 \times (4 \times 4 + 4) + 4^4) \\
&:= 5 + (5 \times (5 \times (5 \times 55 - (55+5)))) \\
&:= (6 - 6/6) \times ((6666+6)/6 - 6 \times 6) \\
&:= ((7 - 77)/7) + (7 \times (777 - 7)) \\
&:= 8 \times 8/(8+8) + (8 \times 8 - 8) \times (88+8) \\
&:= 9 + (((99/9) \times (((9+9)/9)^9) - 9) - 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5381 &:= (1+1)^{11} + ((1+1+1) \times 1111) \\
&:= 2 + (22+2) \times (222+2) + 2/2 + 2 \\
&:= 3333 + (3 - 3/3)^{33/3} \\
&:= 4 + ((4^4 \times (4 \times 4 + 4) + 4/4) + 4^4) \\
&:= 5 + ((5 \times (5 \times (5 \times 55 - (55+5)))) + 5/5) \\
&:= 6 + ((6 - 6/6) \times ((6666/6) - 6 \times 6)) \\
&:= (7 \times (777 - 7)) - ((7+7)/7 + 7) \\
&:= 8 + (((8 \times 8 - 8) \times (88+8) - (88/8)) + 8) \\
&:= 9 \times 9 + ((9/9+9) \times (((9+9)/9)^9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5382 &:= 1 + ((1+1)^{11} + ((1+1+1) \times 1111)) \\
&:= 2 + (((22+2) \times (222+2) + 2) + 2) \\
&:= (3+3) \times (((33 \times 3^3) + 3) + 3) \\
&:= 4 + ((4^4 \times (4 \times 4 + 4) + (4+4)/4) + 4^4) \\
&:= (5 - 5/5 + 5) \times ((5^5 - 5 - 5)/5 - 5 \times 5) \\
&:= 6 + (((6+6)/6 + 6) \times (666+6)) \\
&:= (7 \times (777 - 7)) - (7/7 + 7) \\
&:= 8 + ((8 \times 8 - 8) \times (88+8) - ((8+8)/8)) \\
&:= 9 + (9 \times (9+9) \times (9+9+9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5383 &:= 1 + (1 + ((1+1)^{11} + ((1+1+1) \times 1111))) \\
&:= 2 + (((((22+2) \times (222+2) + 2/2) + 2) + 2) \\
&:= 3/3 + ((3+3) \times (((33 \times 3^3) + 3) + 3)) \\
&:= 4 + (((4^4 \times (4 \times 4 + 4) - 4/4) + 4^4) + 4) \\
&:= (5 \times ((5 - 5/5)^5 + 55)) - (55+5)/5 \\
&:= 6 + (((6+6)/6 + 6) \times (666+6)) + 6/6) \\
&:= (7 \times (777 - 7)) - 7 \\
&:= 8 + ((8 \times 8 - 8) \times (88+8) - 8/8) \\
&:= ((9 - 9/9) \times (((9+9)/9)^9) + 9 \times (9+9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5384 &:= (1+1)^{11} + ((1+1+1) \times (1+1111)) \\
&:= 2 \times ((2 \times 22+2)^2 + ((22+2)^2)) \\
&:= 3 + ((3 - 3/3)^{33/3} + 3333) \\
&:= 4 + ((4^4 \times (4 \times 4 + 4) + 4^4) + 4) \\
&:= (5 \times ((5 - 5/5)^5 + 55)) - 55/5 \\
&:= ((6+6)/6 + 6) \times (666 + 6/6 + 6) \\
&:= 7/7 + ((7 \times (777 - 7)) - 7) \\
&:= 8 + (8 \times 8 - 8) \times (88+8) \\
&:= 99/9 + (9 \times (9+9) \times (9+9+9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5385 &:= 1 + ((1+1)^{11} + ((1+1+1) \times (1+1111))) \\
&:= 22/2 + ((22+2) \times (222+2) - 2) \\
&:= 3 + ((3+3) \times (((33 \times 3^3) + 3) + 3)) \\
&:= 4 + (((4^4 \times (4 \times 4 + 4) + 4/4) + 4^4) + 4) \\
&:= 5 \times (5^5 - (((5+5)/5)^{55/5})) \\
&:= 6/6 + (((6+6)/6 + 6) \times (666 + 6/6 + 6)) \\
&:= (7+7)/7 + ((7 \times (777 - 7)) - 7) \\
&:= 8 + ((8 \times 8 - 8) \times (88+8) + 8/8) \\
&:= 9 + (((9+9+9)/9) \times (((9+9) \times 99 + 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5386 &:= 1 + (1 + ((1+1)^{11} + ((1+1+1) \times (1+1111)))) \\
&:= (2 \times (2 \times (22+2+2))^2) - 22 \\
&:= 3 + (((3+3) \times (((33 \times 3^3) + 3) + 3)) + 3/3) \\
&:= 4^4 + (4^4 \times (4 \times 4 + 4) + (44 - 4)/4) \\
&:= 5/5 + (5 \times (5^5 - (((5+5)/5)^{55/5}))) \\
&:= 6 \times 6 \times 6 \times 6 + (((6+6)/6)^{6+6}) - 6) \\
&:= 7 + ((7 \times (777 - 7)) - (77/7)) \\
&:= 8 + ((8 \times 8 - 8) \times (88+8) + ((8+8)/8)) \\
&:= 9 + (((((9+9)/9) - 9) + 9 \times 9)^{(9+9)/9}) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5387 &:= 11 + ((1+1) \times ((1+1) \times ((1+11) \times (1+111)))) \\
&:= 22/2 + (22+2) \times (222+2) \\
&:= 3^3 + ((3/3+3) \times ((33/3)^3 + 3 \times 3)) \\
&:= 4^4 + (4^4 \times (4 \times 4 + 4) + 44/4) \\
&:= 5 + ((5 - 5/5 + 5) \times ((5^5 - 5 - 5)/5 - 5 \times 5)) \\
&:= 66/6 + (((6+6)/6 + 6) \times (666+6)) \\
&:= (7 \times (777 - 7)) - (7+7+7)/7 \\
&:= 88/8 + (8 \times 8 - 8) \times (88+8) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 9) - 9999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5388 &:= (1+11) \times (1 + ((1+1) \times ((1+1) \times (1+111)))) \\
&:= 22 \times ((22^2+2)/2+2) - 2 \\
&:= 3 + (((3+3) \times ((33 \times 3^3) + 3) + 3) + 3) \\
&:= 4 \times (((44/4)^{4-4/4}) + 4 \times 4) \\
&:= (5/5+5) \times ((5^5-5-5)/5+5 \times 55) \\
&:= (6 \times (6 \times ((6+6) \times (6+6) + 6))) - 6 - 6 \\
&:= (7 \times (777-7)) - (7+7)/7 \\
&:= ((88+8)/8) + (8 \times 8-8) \times (88+8) \\
&:= 9 \times (((9+9)/9)^9 + 99) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5393 &:= 1 + (11 + ((1+1)^{11} + ((1+1+1) \times 1111))) \\
&:= 2 + (22 \times ((22^2+2)/2+2) + 2/2) \\
&:= 33 + ((3/3+3) \times ((33/3)^3 + 3 \times 3)) \\
&:= 4/4 + (((4+4)/4+4)^4 + (4+4)^4) \\
&:= (5 \times ((5-5/5)^5 + 55)) - (5+5)/5 \\
&:= (6 \times (6 \times ((6+6) \times (6+6) + 6))) - 6/6 - 6 \\
&:= (7+7+7)/7 + (7 \times (777-7)) \\
&:= 8 + (((8 \times 8-8) \times (88+8) + 8/8) + 8) \\
&:= 9/9 + ((9-9/9) \times (((9+9)/9)^9 + 9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5398 &:= (1+1) \times (11 + ((1+1) \times ((1+11) \times (1+111)))) \\
&:= 22 + (22+2) \times (222+2) \\
&:= 3/3 + (((3+3) \times ((33 \times 3^3) + 3) + 3) + 3) \\
&:= 4/4 + ((4/4+4^4) \times ((4 \times 4+4/4) + 4)) \\
&:= ((5 \times 5-5) \times (5 \times 55-5)) - (5+5)/5 \\
&:= 6 + (((6+6)/6)^{6+6} + 6 \times 6 \times 6 \times 6) \\
&:= 7 + ((7 \times (777-7)) + 7/7) \\
&:= 8 + ((8-8/8) \times (8 \times (88+8) + ((8+8)/8))) \\
&:= 9 + (((99/9) \times ((9+9)/9)^9) - 9 \times (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5389 &:= 1 + ((1+11) \times (1 + ((1+1) \times ((1+1) \times (1+111)))))) \\
&:= 22 \times ((22^2+2)/2+2) - 2/2 \\
&:= (3+3)^3 + ((3 \times (3 \times 3+3)^3) - 33/3) \\
&:= 4/4 + (((4+4)/4+4)^4 - 4) + (4+4)^4 \\
&:= 5555 - (555/5+55) \\
&:= (6 \times (6 \times ((6+6) \times (6+6) + 6))) - 66/6 \\
&:= (7 \times (777-7)) - 7/7 \\
&:= (88+8+8)/8 + (8 \times 8-8) \times (88+8) \\
&:= ((99/9) \times ((9+9)/9)^9) - 9 \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5394 &:= (((1+11^{1+1})^{1+1})/(1+1)) - (1+1)^{11} \\
&:= 2 + (22 \times ((22^2+2)/2+2) + 2) \\
&:= (3^3 \times (33 \times (3+3) + 3)) - 33 \\
&:= 4 + (((44+4/4) + 4) \times (444-4)/4) \\
&:= (5 \times ((5-5/5)^5 + 55)) - 5/5 \\
&:= (6 \times (6 \times ((6+6) \times (6+6) + 6))) - 6 \\
&:= 77/7 + ((7 \times (777-7)) - 7) \\
&:= (8/8-88) \times (((8+8)/8) - 8 \times 8) \\
&:= (9 - ((9+9+9)/9)) \times ((9 \times 99-9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5399 &:= ((1+1) \times ((1+11) \times (1 + ((1+1) \times (1+111)))))) - 1 \\
&:= 2 + ((22-2/2) \times (2^{2 \times (2+2)} + 2/2)) \\
&:= (3+3)^3 + ((3 \times (3 \times 3+3)^3) - 3/3) \\
&:= 44 + (((4^4-4)/4) \times ((4-4/4)^4 + 4)) \\
&:= ((5 \times 5-5) \times (5 \times 55-5)) - 5/5 \\
&:= (6 \times (6 \times ((6+6) \times (6+6) + 6))) - 6/6 \\
&:= 7 + ((7 \times (777-7)) + ((7+7)/7)) \\
&:= ((8/8+8) \times (8 \times 8 \times 8+88)) - 8/8 \\
&:= 9 + ((9/9+9) \times (((9+9)/9)^9 + 9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5390 &:= (1+1) \times (11 \times (1 + ((1+1) \times (1+11^{1+1})))) \\
&:= 22 \times ((22^2+2)/2+2) \\
&:= 3^3 + (((3+3) \times ((33 \times 3^3) + 3)) - 3/3) \\
&:= ((44+4/4) + 4) \times (444-4)/4 \\
&:= (5 \times ((5-5/5)^5 + 55)) - 5 \\
&:= (((6+6)/6)^6 + 6) \times (66/6+66) \\
&:= 7 \times (777-7) \\
&:= (8-8/8) \times (8 \times (88+8) + ((8+8)/8)) \\
&:= (9/9+9) \times (((9+9)/9)^9 + 9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5395 &:= 1 + (((1+11^{1+1})^{1+1})/(1+1)) - (1+1)^{11} \\
&:= (2 \times (2 \times (22+2+2))^2) - (22/2+2) \\
&:= 3 + ((3/3+3)^{3+3} + ((3+3)^{3/3+3})) \\
&:= 4 + (((4+4)/4+4)^4 - 4/4) + (4+4)^4 \\
&:= 5 \times ((5-5/5)^5 + 55) \\
&:= 66 + ((66+6/6+6)^{(6+6)/6}) \\
&:= 7 + ((7 \times (777-7)) - ((7+7)/7)) \\
&:= 8 + ((8 \times 8-8) \times (88+8) + (88/8)) \\
&:= (((9+9)/9) - 9) + 9 \times 9^{(9+9)/9} - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5400 &:= (1+1) \times ((1+11) \times (1 + ((1+1) \times (1+111)))) \\
&:= 2 \times (2 \times ((2 \times ((22+2+2)^2) - 2)) \\
&:= 3 \times ((3+3) \times (3 \times 3+33+3)) \\
&:= (44+4^4) \times ((4+4)/4+4 \times 4) \\
&:= (5 \times 5-5) \times (5 \times 55-5) \\
&:= 6 \times (6 \times ((6+6) \times (6+6) + 6)) \\
&:= ((77-7)/7) + (7 \times (777-7)) \\
&:= (8/8+8) \times (8 \times 8 \times 8+88) \\
&:= (99+9) \times ((9 \times 99+9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5391 &:= 1 + ((1+1) \times (11 \times (1 + ((1+1) \times (1+11^{1+1})))))) \\
&:= 2/2 + 22 \times ((22^2+2)/2+2) \\
&:= 3 \times (((3+3) \times (3 \times 3+33+3)) - 3) \\
&:= (4+4)^4 + (((4+4)/4+4)^4 - 4/4) \\
&:= 5/5 + ((5 \times ((5-5/5)^5 + 55)) - 5) \\
&:= 6 \times 6 \times 6 \times 6 + (((6+6)/6)^{6+6} - 6/6) \\
&:= 7/7 + (7 \times (777-7)) \\
&:= 8 + (((8 \times 8-8) \times (88+8) - 8/8) + 8) \\
&:= 9999 - 9 \times ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5396 &:= (1+1) \times (11 + ((1+1) \times ((1+11) \times (1+111))) - 1) \\
&:= 2 \times (2 \times (2 \times ((22+2+2)^2) - 2)) + 2 \\
&:= (3/3+3) \times ((33/3)^3 + (3 \times (3+3))) \\
&:= 4 + (((4+4)/4+4)^4 + (4+4)^4) \\
&:= 5/5 + (5 \times ((5-5/5)^5 + 55)) \\
&:= 6 + (((6+6)/6)^6 + 6) \times (66/6+66) \\
&:= 7 + ((7 \times (777-7)) - 7/7) \\
&:= 8 + ((8 \times 8-8) \times (88+8) + ((88+8)/8)) \\
&:= (9 \times 9 - (9/9+9)) \times (((9-99)/(9+9)) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5401 &:= 1 + ((1+1) \times ((1+11) \times (1 + ((1+1) \times (1+111)))))) \\
&:= 2/2 + (2 \times (2 \times ((2 \times ((22+2+2)^2) - 2))) \\
&:= 3/3 + ((3 \times (3 \times 3+3)^3) + (3+3)^3) \\
&:= 4 + ((4/4+4^4) \times ((4 \times 4+4/4) + 4)) \\
&:= 5/5 + ((5 \times 5-5) \times (5 \times 55-5)) \\
&:= 6/6 + (6 \times (6 \times ((6+6) \times (6+6) + 6))) \\
&:= 77/7 + (7 \times (777-7)) \\
&:= 8/8 + ((8/8+8) \times (8 \times 8 \times 8+88)) \\
&:= 9 \times (9 \times (9 \times 9-9) + 9) - ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5392 &:= 11 + ((1+1)^{11} + ((1+1+1) \times 1111)) \\
&:= 2 + 22 \times ((22^2+2)/2+2) \\
&:= (3/3+3)^{3+3} + ((3+3)^{3/3+3}) \\
&:= 4 \times (4 \times ((4-4/4)^4 + 4^4)) \\
&:= (5+5)/5 + ((5 \times ((5-5/5)^5 + 55)) - 5) \\
&:= 6 \times 6 \times 6 \times 6 + (((6+6)/6)^{6+6}) \\
&:= (7+7)/7 + (7 \times (777-7)) \\
&:= 8 + ((8 \times 8-8) \times (88+8) + 8) \\
&:= (9-9/9) \times (((9+9)/9)^9 + 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5397 &:= (11 + (11-1)) \times (1 + (1+1)^{(1+1) \times (1+1+1)}) \\
&:= (22-2/2) \times (2^{2 \times (2+2)} + 2/2) \\
&:= 33 + ((3+3) \times ((33 \times 3^3) + 3)) \\
&:= (4/4+4^4) \times ((4 \times 4+4/4) + 4) \\
&:= (5+5)/5 + (5 \times ((5-5/5)^5 + 55)) \\
&:= (6/6+6) \times (((6 \times 6/(6+6))^6 + 6 \times 6) + 6) \\
&:= 7 + (7 \times (777-7)) \\
&:= (8-8/8) \times ((8 \times (88+8) - 8) + (88/8)) \\
&:= 9 + (9 \times ((9+9)/9)^9 + 99) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5402 &:= (1+1) \times (1 + ((1+11) \times (1 + ((1+1) \times (1+111)))))) \\
&:= (2 \times ((2 \times (22+2+2))^2 - 2)) - 2 \\
&:= 3 + (((3 \times (3 \times 3+3)^3) - 3/3) + (3+3)^3) \\
&:= 4 + (((4/4+4^4) \times ((4 \times 4+4/4) + 4)) + 4/4) \\
&:= (5+5)/5 + ((5 \times 5-5) \times (5 \times 55-5)) \\
&:= (6+6)/6 + (6 \times (6 \times ((6+6) \times (6+6) + 6))) \\
&:= (77+7)/7 + (7 \times (777-7)) \\
&:= 8 + ((8/8-88) \times (((8+8)/8) - 8 \times 8)) \\
&:= ((9/9-9) + 9 \times 9) \times (((9+9)/9) - 9) + 9 \times 9
\end{aligned}$$

- 5403 := $111 + ((1 + 11) \times ((11 + (11 - 1))^{1+1}))$
:= $(2 \times ((2 \times (22 + 2 + 2))^2 - 2)) - 2/2$
:= $3 + ((3 \times (3 \times 3 + 3)^3) + (3 + 3)^3)$
:= $44/4 + (((4 + 4)/4 + 4)^4 + (4 + 4)^4)$
:= $5 + (((5 \times 5 - 5) \times (5 \times 55 - 5)) - ((5 + 5)/5))$
:= $666/6 + 6 \times (666 + 6 \times 6 \times 6)$
:= $7 + (((7 \times (777 - 7)) - 7/7) + 7)$
:= $8 + (((8 \times 8 - 8) \times (88 + 8) + (88/8)) + 8)$
:= $9 + ((9 - ((9 + 9 + 9)/9)) \times ((9 \times 99 - 9/9) + 9))$
- 5404 := $((1 + 1)^{1+11}) + ((1 + 11) \times (111 - 1 - 1))$
:= $2 \times ((2 \times (22 + 2 + 2))^2 - 2)$
:= $3 + (((3 \times (3 \times 3 + 3)^3) + (3 + 3)^3) + 3/3)$
:= $4444 + (4 \times (4^4 - 4 \times 4))$
:= $5 + (((5 \times 5 - 5) \times (5 \times 55 - 5)) - 5/5)$
:= $6 + (((((6 + 6)/6)^{6+6}) + 6 \times 6 \times 6 \times 6) + 6)$
:= $7 + ((7 \times (777 - 7)) + 7)$
:= $(8 - 8/8) \times (8 \times (88 + 8) + 8 \times 8/(8 + 8))$
:= $9 + (((((9 + 9)/9) - 9) + 9 \times 9)^{(9+9)/9}) - 9 \times 9)$
- 5405 := $11^{1+1+1} + ((1 + 1) \times ((1 + 1)^{11} - 11))$
:= $2/2 + (2 \times ((2 \times (22 + 2 + 2))^2 - 2))$
:= $3 \times 3^3 + ((3/3 + 3) \times (33/3)^3)$
:= $(44 - 4/4 + 4) \times (444/4 + 4)$
:= $5 + ((5 \times 5 - 5) \times (5 \times 55 - 5))$
:= $6 + ((6 \times (6 \times ((6 + 6) \times (6 + 6) + 6))) - 6/6)$
:= $7 + (((7 \times (777 - 7)) + 7/7) + 7)$
:= $(8 \times (8 \times 88 - (8 + 8))) - (88/8 + 88)$
:= $((9 \times 9 + 9)/(9 + 9)) \times ((999 + 9/9) + 9 \times 9)$
- 5406 := $(1 + 1) \times (((1 + 1) \times ((1 + 1) \times (1 + 1 + 11)))^{1+1}) - 1$
:= $(2 \times (2 \times (22 + 2 + 2))^2) - 2$
:= $(3/3 + 33) \times ((3 + 3) \times 3^3 - 3)$
:= $(4 \times 4 + 4/4) \times ((4^4 - 4 - 4)/4 + 4^4)$
:= $5 + (((5 \times 5 - 5) \times (5 \times 55 - 5)) + 5/5)$
:= $6 + (6 \times (6 \times ((6 + 6) \times (6 + 6) + 6)))$
:= $7 + (((7 \times (777 - 7)) + ((7 + 7)/7)) + 7)$
:= $(8 \times 8 - 88/8) \times ((888 - 8)/8 - 8)$
:= $(9 - ((9 + 9 + 9)/9)) \times ((9 \times 99 + 9/9) + 9)$
- 5407 := $((1 + 1) \times (((1 + 1) \times ((1 + 1) \times (1 + 1 + 11)))^{1+1})) - 1$
:= $(2 \times (2 \times (22 + 2 + 2))^2) - 2/2$
:= $3/3 + ((3/3 + 33) \times ((3 + 3) \times 3^3 - 3))$
:= $(4 + 4)^4 + (44 \times 44 - (4/4 + 4)^4)$
:= $5 + (((5 \times 5 - 5) \times (5 \times 55 - 5)) + ((5 + 5)/5))$
:= $6 + ((6 \times (6 \times ((6 + 6) \times (6 + 6) + 6))) + 6/6)$
:= $7 + ((7 \times (777 - 7)) + ((77 - 7)/7))$
:= $8 + (((8/8 + 8) \times (8 \times 8 \times 8 + 88)) - 8/8)$
:= $(9 \times (((((9 + 9)/9)^9) + 9 \times 9) + 9)) - 99/9$
- 5408 := $(1 + 1) \times (((1 + 1) \times ((1 + 1) \times (1 + 1 + 11)))^{1+1})$
:= $2 \times (2 \times (22 + 2 + 2))^2$
:= $3 + (((3/3 + 3) \times (33/3)^3) + 3 \times 3^3)$
:= $4 \times ((4 \times ((4 - 4/4)^4 + 4^4)) + 4)$
:= $(5 \times 5 + 5/5) \times ((5^5 - 5)/(5 + 5 + 5))$
:= $6 + ((6 \times (6 \times ((6 + 6) \times (6 + 6) + 6))) + ((6 + 6)/6))$
:= $7 + ((7 \times (777 - 7)) + (77/7))$
:= $8 + ((8/8 + 8) \times (8 \times 8 \times 8 + 88))$
:= $(9 - 9/9) \times (((9 - 9/9) + 9) + 9)^{(9+9)/9}$
- 5409 := $1 + ((1 + 1) \times (((1 + 1) \times ((1 + 1) \times (1 + 1 + 11)))^{1+1}))$
:= $2/2 + (2 \times (2 \times (22 + 2 + 2))^2)$
:= $3 \times (((3 + 3) \times (3 \times 3 \times 33 + 3)) + 3)$
:= $(4 - 4/4)^4 + (((4 + 4) + 4) \times 444)$
:= $(5 - 5/5 + 5) \times ((5^5 + 5)/5 - 5 \times 5)$
:= $((6 \times 6/(6 + 6))^6) + ((6 + 6) \times (6 \times 66 - 6))$
:= $7 + ((7 \times (777 - 7)) + (77 + 7)/7)$
:= $(8/8 + 8) \times ((8 \times 8 \times 8 + 8/8) + 88)$
:= $(9 \times (((((9 + 9)/9)^9) + 9 \times 9) + 9)) - 9$
- 5410 := $(1 + 1) \times (1 + (((1 + 1) \times ((1 + 1) \times (1 + 1 + 11)))^{1+1}))$
:= $2 + (2 \times (2 \times (22 + 2 + 2))^2)$
:= $((3/3 + 3)^3) + (33 \times (3 + 3) \times 3^3)$
:= $4 + ((4 \times 4 + 4/4) \times ((4^4 - 4 - 4)/4 + 4^4))$
:= $5 + (((5 \times 5 - 5) \times (5 \times 55 - 5)) + 5)$
:= $(6 - 6/6) \times ((6 \times 6 \times (6 \times 6 - 6)) + ((6 + 6)/6))$
:= $(7 \times (777 + 7)) - 7/7 - 77$
:= $((8/8 - 8 \times 8) \times ((8 + 8)/8 - 88)) - 8$
:= $9 \times 9 + (((9/9 - 9) + 9 \times 9)^{(9+9)/9})$
- 5411 := $((11111 - 1)/(1 + 1)) - (1 + 11)^{1+1}$
:= $2 + ((2 \times (2 \times (22 + 2 + 2))^2) + 2/2)$
:= $3 \times 33 + ((3/3 + 3) \times ((33/3)^3 - 3))$
:= $(4 + 4)^4 + (((44/4)^{4-4/4}) - 4 \times 4)$
:= $55/5 + ((5 \times 5 - 5) \times (5 \times 55 - 5))$
:= $66/6 + (6 \times (6 \times ((6 + 6) \times (6 + 6) + 6)))$
:= $(7 \times (777 + 7)) - 77$
:= $88/8 + ((8/8 + 8) \times (8 \times 8 \times 8 + 88))$
:= $9 + (((9/9 - 9) + 9 \times 9) \times (((9 + 9)/9) - 9) + 9 \times 9)$
- 5412 := $(1 + 1) \times ((1 + 1) \times (11 \times (1 + (1 + 11^{1+1}))))$
:= $2 \times ((2 \times (22 + 2 + 2))^2 + 2)$
:= $33 \times (((3 + 3) \times 3^3 - 3/3) + 3)$
:= $44 \times (((444/4 + 4) + 4) + 4)$
:= $(5/5 + 5) \times ((5^5 + 5 + 5)/5 + 5 \times 55)$
:= $6 + ((6 \times (6 \times ((6 + 6) \times (6 + 6) + 6))) + 6)$
:= $7/7 + ((7 \times (777 + 7)) - 77)$
:= $88/8 \times (88 \times 88/(8 + 8) + 8)$
:= $99/9 \times (((9 + 9)/9)^9) - (99/9 + 9)$
- 5413 := $1 + ((1 + 1) \times ((1 + 1) \times (11 \times (1 + (1 + 11^{1+1}))))$
:= $2/2 + (2 \times ((2 \times (22 + 2 + 2))^2 + 2))$
:= $3 + ((33 \times (3 + 3) \times 3^3) + ((3/3 + 3)^3))$
:= $4 + (((4 + 4) + 4) \times 444 + (4 - 4/4)^4)$
:= $5 + ((5 \times 5 + 5/5) \times ((5^5 - 5)/(5 + 5 + 5)))$
:= $6 + (((6 \times (6 \times ((6 + 6) \times (6 + 6) + 6))) + 6/6) + 6)$
:= $(7 + 7)/7 + ((7 \times (777 + 7)) - 77)$
:= $8 + ((8 \times (8 \times 88 - (8 + 8))) - (88/8 + 88))$
:= $9 + ((((((9 + 9)/9) - 9) + 9 \times 9)^{(9+9)/9}) - 9 \times 9) + 9)$
- 5414 := $(1 + 1) \times (1 + ((1 + 1) \times (11 \times (1 + (1 + 11^{1+1}))))$
:= $2 + (2 \times ((2 \times (22 + 2 + 2))^2 + 2))$
:= $3 \times (3^3 + 3) + ((3/3 + 3) \times (33/3)^3)$
:= $(44 \times (4^4 - 4) - (4^4 + 4))/(4 + 4)/4$
:= $5 + ((5 - 5/5 + 5) \times ((5^5 + 5)/5 - 5 \times 5))$
:= $6 + (((6 \times (6 \times ((6 + 6) \times (6 + 6) + 6))) + ((6 + 6)/6)) + 6)$
:= $7 \times 777 - (77/7 + 7 + 7)$
:= $(8 \times (8 \times 88 - (8 + 8))) - ((8 + 8)/8 + 88)$
:= $9 \times (9 \times 9 \times 9 - 99) - (((9 + 9)/9)^{9-9/9})$
- 5415 := $11^{1+1+1} + (((1 + 1)^{1+11}) - (1 + 11))$
:= $2 + ((2 \times ((2 \times (22 + 2 + 2))^2 + 2)) + 2/2)$
:= $3 + (33 \times (((3 + 3) \times 3^3 - 3/3) + 3))$
:= $(4/4 + 4) \times ((4 \times (4^4 + 4) - 4/4) + 44)$
:= $(5 \times (((5 - 5/5)^5 + 55) + 5)) - 5$
:= $6 + (((6 + 6) \times (6 \times 66 - 6)) + ((6 \times 6/(6 + 6))^6))$
:= $7 + (((7 \times (777 - 7)) + (77/7)) + 7)$
:= $((8/8 - 8) + 8 \times 8) \times (88 - 8/8 + 8)$
:= $((99 + 9)/9 \times ((9 + 9)/9)^9) - 9 \times 9 \times 9$
- 5416 := $11^{1+1+1} + (((1 + 1)^{1+11}) - 11)$
:= $2 \times (((2 \times (22 + 2 + 2))^2 + 2) + 2)$
:= $(3^3 \times (33 \times (3 + 3) + 3)) - 33/3$
:= $4 + (44 \times (((444/4 + 4) + 4) + 4))$
:= $5 + (((5 \times 5 - 5) \times (5 \times 55 - 5)) + (55/5))$
:= $((6 + 6)/6 + 6) \times (666 + (66/6))$
:= $7 \times 777 - (((7 + 7)/7 + 7) + 7) + 7$
:= $(8 \times (8 \times 88 - (8 + 8))) - 88$
:= $(9 \times (((((9 + 9)/9)^9) + 9 \times 9) + 9)) - (9 + 9)/9$
- 5417 := $1 + (11^{1+1+1} + (((1 + 1)^{1+11}) - 11))$
:= $2/2 + (2 \times (((2 \times (22 + 2 + 2))^2 + 2) + 2))$
:= $(33/3 + 3)^3 + (3 \times (33 \times 3^3))$
:= $4 + (((4 + 4) + 4) \times 444 + (4 - 4/4)^4) + 4$
:= $5555 - ((5 \times 5 \times 55 + 5)/(5 + 5))$
:= $666 + ((6 \times 66 \times (6 + 6)) - 6/6)$
:= $7 \times 777 - (7/7 + 7 + 7 + 7)$
:= $8/8 + ((8 \times (8 \times 88 - (8 + 8))) - 88)$
:= $(9 \times (((((9 + 9)/9)^9) + 9 \times 9) + 9)) - 9/9$

$$\begin{aligned}
\blacktriangleright 5418 &:= (1+1+1) \times ((1+1)^{11} - ((1+1) \times 11^{1+1})) \\
&:= (22 - 2/2) \times (2^{2 \times (2+2)} + 2) \\
&:= 3 \times (((3 \times 3 + 3)^3 - 3) + 3 \times 3^3) \\
&:= (44 - 4/4) \times ((4^4 - 4)/(4+4)/4) \\
&:= 5555 + ((5 - 5 \times 5 \times 55)/(5+5)) \\
&:= 666 + (6 \times 66 \times (6+6)) \\
&:= 7 \times 777 - (7+7+7) \\
&:= (8/8 - 8 \times 8) \times (((8+8)/8) - 88) \\
&:= 9 \times (((9+9)/9)^9 + 9 \times 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5423 &:= 11 \times (11 + (((11+11)^{1+1}) - (1+1))) \\
&:= 22/2 \times ((22^2 - 2) + 22/2) \\
&:= 3 \times 33 + ((3/3+3) \times (33/3)^3) \\
&:= (4+4)^4 + (((44/4)^{4-4/4}) - 4) \\
&:= 5555 - ((5 \times 5 \times 5 + ((5+5)/5)) + 5) \\
&:= 6 + (((6 \times 66 \times (6+6)) - 6/6) + 666) \\
&:= 7 \times 777 - (((7+7)/7 + 7) + 7) \\
&:= 88/8 \times (8 \times 8 \times 8 - (88/8 + 8)) \\
&:= 99/9 \times (((9+9)/9)^9 - (9/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5428 &:= 1 + (11^{1+1+1} + ((1+1)^{1+1+1})) \\
&:= 2 + (((22+2) \times (222+2+2)) + 2) \\
&:= 3/3 + (3^3 \times (33 \times (3+3) + 3)) \\
&:= 4 + (((4+4) + 4) \times (444+4+4)) \\
&:= 5555 - (5 \times 5 \times 5 + ((5+5)/5)) \\
&:= (6 \times (6 \times 6 \times 6 + 6)) + (((6+6)/6)^{6+6}) \\
&:= 7 \times 777 - 77/7 \\
&:= (8 \times (8 \times 88 - 8 - 8 - 8)) - (88+8)/8 \\
&:= 99 + (((9/9 - 9) + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5419 &:= 1 + ((1+1+1) \times ((1+1)^{11} - ((1+1) \times 11^{1+1}))) \\
&:= 22/2 + (2 \times (2 \times (22+2+2))^2) \\
&:= 3 + (3^3 \times (33 \times (3+3) + 3)) - 33/3 \\
&:= 44 + ((4^4 \times (4 \times 4 + 4) - 4/4) + 4^4) \\
&:= 5555 - (555/5 + 5 \times 5) \\
&:= 6/6 + ((6 \times 66 \times (6+6)) + 666) \\
&:= 7/7 + (7 \times 777 - (7+7+7)) \\
&:= 8/8 + ((8/8 - 8 \times 8) \times (((8+8)/8) - 88)) \\
&:= 9/9 + (9 \times (((9+9)/9)^9 + 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5424 &:= (1+1) \times ((1+1) \times ((1+11) \times (1+1+111))) \\
&:= (22+2) \times (222+2+2) \\
&:= (3^3 \times (33 \times (3+3) + 3)) - 3 \\
&:= ((4+4) + 4) \times (444+4+4) \\
&:= (5 - 5/5)^5 + 55 \times (5 \times 5 + 55) \\
&:= 6 + ((6 \times 66 \times (6+6)) + 666) \\
&:= 7 \times 777 - (7/7 + 7 + 7) \\
&:= 8 + ((8 \times (8 \times 88 - (8+8))) - 88) \\
&:= 9 + (((99+9)/9 \times (9+9)/9)^9 - 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5429 &:= 1 + (1 + (11^{1+1+1} + ((1+1)^{1+1+1}))) \\
&:= 22 + ((2 \times (2 \times (22+2+2))^2) - 2/2) \\
&:= 3 + (3^3 \times (33 \times (3+3) + 3)) - 3/3 \\
&:= (4 \times 4 + 4) \times (4 \times 4 + 4^4) - 44/4 \\
&:= 5555 - (5 \times 5 \times 5 + 5/5) \\
&:= 666 + ((6 \times 66 \times (6+6)) + (66/6)) \\
&:= ((7 - 77)/7) + 7 \times 777 \\
&:= (8/8 + 88) \times ((8 \times 8 - 88/8) + 8) \\
&:= 99/9 + (9 \times (((9+9)/9)^9 + 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5420 &:= (1+1) \times ((1+1) \times (11 + ((1+11) \times (1+111)))) \\
&:= 2 + ((22 - 2/2) \times (2^{2 \times (2+2)} + 2)) \\
&:= (3/3 + 3) \times (((33/3)^3 - 3) + 3^3) \\
&:= 44 + (4^4 \times (4 \times 4 + 4) + 4^4) \\
&:= 5 \times (((5 - 5/5)^5 + 55) + 5) \\
&:= 666 + ((6 \times 66 \times (6+6)) + ((6+6)/6)) \\
&:= 7 \times 777 - ((77+7)/7 + 7) \\
&:= 8 + (88/8 \times (88 \times 88/(8+8) + 8)) \\
&:= (9+9)/9 + (9 \times (((9+9)/9)^9 + 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5425 &:= 11^{1+1+1} + ((1+1) \times ((1+1)^{11} - 1)) \\
&:= 2/2 + ((22+2) \times (222+2+2)) \\
&:= 3/3 + (3^3 \times (33 \times (3+3) + 3)) - 3 \\
&:= 4/4 + (((4+4) + 4) \times (444+4+4)) \\
&:= 5555 - (5 \times 5 \times 5 + 5) \\
&:= (6 \times 6 - 66/6) \times (6 \times 6 \times 6 + 6/6) \\
&:= 7 \times 777 - (7+7) \\
&:= (8 - 8/8) \times ((8 \times (88+8) - 8/8) + 8) \\
&:= ((99/9) \times (((9+9)/9)^9 - (9+9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5430 &:= 1 + (1 + (1 + (11^{1+1+1} + ((1+1)^{1+1+1})))) \\
&:= 22 + (2 \times (2 \times (22+2+2))^2) \\
&:= 3 + (3^3 \times (33 \times (3+3) + 3)) \\
&:= (4/4 + 4) \times ((4^4 - 4 - 4)/4 + 4 \times 4^4) \\
&:= 5555 - 5 \times 5 \times 5 \\
&:= (6 - 6 \times 6) \times ((6 \times (6 - 6 \times 6)) - 6/6) \\
&:= 7 \times 777 - ((7+7)/7 + 7) \\
&:= (8 - 88)/8 + (8 \times (8 \times 88 - 8 - 8 - 8)) \\
&:= (999/9 \times ((9 \times 99 - 9)/(9+9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5421 &:= 1 + ((1+1) \times ((1+1) \times (11 + ((1+11) \times (1+111)))) \\
&:= 2 + ((2 \times (2 \times (22+2+2))^2) + 22/2) \\
&:= (3^3 \times (33 \times (3+3) + 3)) - 3 - 3 \\
&:= 44 + ((4^4 \times (4 \times 4 + 4) + 4/4) + 4^4) \\
&:= 5/5 + (5 \times (((5 - 5/5)^5 + 55) + 5)) \\
&:= 66 + ((6/6 + 6) \times (((6 \times 6/(6+6))^6) + 6 \times 6)) \\
&:= 7 \times 777 - (77/7 + 7) \\
&:= (8 \times (8 \times 88 - 8 - 8 - 8)) - (88/8 + 8) \\
&:= 9 + ((99/9) \times (((9+9)/9)^9 - (99/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5426 &:= 11^{1+1+1} + (((1+1)^{1+1+1}) - 1) \\
&:= 2 + ((22+2) \times (222+2+2)) \\
&:= (3^3 \times (33 \times (3+3) + 3)) - 3/3 \\
&:= (4+4)^4 + (((44/4)^{4-4/4}) - 4/4) \\
&:= 5/5 + (5555 - (5 \times 5 \times 5 + 5)) \\
&:= 6 + (((6 \times 66 \times (6+6)) + 666) + ((6+6)/6)) \\
&:= 7/7 + (7 \times 777 - (7+7)) \\
&:= 8 + ((8/8 - 8 \times 8) \times (((8+8)/8) - 88)) \\
&:= 9 + ((9 \times (((9+9)/9)^9 + 9 \times 9) + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5431 &:= 111 + ((1+1) \times ((1+1) \times (11^{1+1+1} - 1))) \\
&:= 22 + ((2 \times (2 \times (22+2+2))^2) + 2/2) \\
&:= 3 + (3^3 \times (33 \times (3+3) + 3)) + 3/3 \\
&:= 4 + (((44/4)^{4-4/4}) + (4+4)^4) \\
&:= 5/5 + (5555 - 5 \times 5 \times 5) \\
&:= 6 + ((6 \times 6 - 66/6) \times (6 \times 6 \times 6 + 6/6)) \\
&:= 7 \times 777 - (7/7 + 7) \\
&:= (8 \times (8 \times 88 - 8 - 8 - 8)) - (8/8 + 8) \\
&:= ((9/9 + 9) \times (99 \times 99 - 9)/(9+9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5422 &:= (1+1) \times (((1+1) \times ((1+11) \times (1+1+111))) - 1) \\
&:= ((22+2) \times (222+2+2)) - 2 \\
&:= (3 - 3/3) \times ((33/3 + 3)^3 - 33) \\
&:= 4 + ((44 - 4/4) \times ((4^4 - 4)/(4+4)/4)) \\
&:= (5+5)/5 + (5 \times (((5 - 5/5)^5 + 55) + 5)) \\
&:= 6 + (((6+6)/6 + 6) \times (666 + (66/6))) \\
&:= ((7 - 77)/7) + (7 \times 777 - 7) \\
&:= 88 + ((8 - (8+8)/8) \times (888 + 8/8)) \\
&:= ((99/9) \times (((9+9)/9)^9 - 9)) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5427 &:= 11^{1+1+1} + ((1+1)^{1+1+1}) \\
&:= 2 + (((22+2) \times (222+2+2)) + 2/2) \\
&:= 3^3 \times (33 \times (3+3) + 3) \\
&:= (4+4)^4 + ((44/4)^{4-4/4}) \\
&:= (5+5)/5 + (5555 - (5 \times 5 \times 5 + 5)) \\
&:= (66 + 6/6) \times ((666/6 - 6 \times 6) + 6) \\
&:= 7 \times 777 - (77+7)/7 \\
&:= 88/8 + ((8 \times (8 \times 88 - (8+8))) - 88) \\
&:= 9 + (9 \times (((9+9)/9)^9 + 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5432 &:= (11 \times (11 + (((11+11)^{1+1}) - 1))) - 1 - 1 \\
&:= 2 + ((2 \times (2 \times (22+2+2))^2) + 22) \\
&:= (3/3 + 3) \times ((33/3)^3 + 3^3) \\
&:= (4 \times 4 + 4) \times (4 \times 4 + 4^4) - 4 - 4 \\
&:= (5+5)/5 + (5555 - 5 \times 5 \times 5) \\
&:= (6/6 + 6) \times (((666 - 6)/6) + 666) \\
&:= 7 \times 777 - 7 \\
&:= (8 \times 8 - 8) \times ((8/8 + 88) + 8) \\
&:= 9 \times 9 \times 9 - ((9999/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5433 &:= (11 \times (11 + (((11 + 11)^{1+1}) - 1))) - 1 \\
&:= (((22^{2/2+2}) + 222)/2) - 2 \\
&:= 3 + ((3^3 \times (33 \times (3 + 3) + 3)) + 3) \\
&:= 4 + ((4 \times 4 + 4) \times (4 \times 4 + 4^4) - 44/4) \\
&:= 5555 - ((555 + 55)/5) \\
&:= (66 \times ((66 + 6 + 6) + 6)) - 666/6 \\
&:= 7/7 + (7 \times 777 - 7) \\
&:= 8/8 + ((8 \times 8 - 8) \times ((8/8 + 88) + 8)) \\
&:= ((99/9) \times (((9 + 9)/9)^9) - (9 + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5434 &:= 11 \times (11 + (((11 + 11)^{1+1}) - 1)) \\
&:= 22 \times (((22^2 + 2)/2 + 2) + 2) \\
&:= (3 - 3/3) \times ((33/3 + 3)^3 - 3^3) \\
&:= 44/4 \times (((44 \times 44 - 4) + 44)/4) \\
&:= 5 + (5555 - (5 \times 5 \times 5 + 5/5)) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 + 6)) + (((6 + 6)/6)^{6+6})) \\
&:= (7 + 7)/7 + (7 \times 777 - 7) \\
&:= 8 + (((8/8 - 8 \times 8) \times (((8 + 8)/8) - 88)) + 8) \\
&:= 99/9 \times (((9 + 9)/9)^9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5435 &:= 111 + (11 \times ((11 + 11)^{1+1})) \\
&:= ((22^{2/2+2}) + 222)/2 \\
&:= 3 + ((3/3 + 3) \times ((33/3)^3 + 3^3)) \\
&:= (4/4 + 4) \times (((4^4 - 4)/4) + 4 \times 4^4) \\
&:= 5 + (5555 - 5 \times 5 \times 5) \\
&:= (6 \times ((6 \times ((6 + 6) \times (6 + 6) + 6)) + 6)) - 6/6 \\
&:= 7 + (7 \times 777 - (77/7)) \\
&:= 8 + (((8 \times (8 \times 88 - (8 + 8))) - 88) + (88/8)) \\
&:= 9/9 + ((99/9) \times (((9 + 9)/9)^9) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5436 &:= 1 + (111 + (11 \times ((11 + 11)^{1+1}))) \\
&:= 2 + (22 \times (((22^2 + 2)/2 + 2) + 2)) \\
&:= 3 \times (((3 \times 3 + 3)^3 + 3 \times 3^3) + 3) \\
&:= (4 \times 4 + 4) \times (4 \times 4 + 4^4) - 4 \\
&:= 5 + ((5555 - 5 \times 5 \times 5) + 5/5) \\
&:= 6 \times ((6 \times ((6 + 6) \times (6 + 6) + 6)) + 6) \\
&:= 7 \times 777 - (7 + 7 + 7)/7 \\
&:= (8 \times (8 \times 88 - 8 - 8 - 8)) - 8 \times 8/(8 + 8) \\
&:= 99 + 9 \times (((9 + 9)/9)^9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5437 &:= 1 + (1 + (111 + (11 \times ((11 + 11)^{1+1})))) \\
&:= 2 + (((22^{2/2+2}) + 222)/2) \\
&:= 3 + ((3 - 3/3) \times ((33/3 + 3)^3 - 3^3)) \\
&:= 4/4 + ((4 \times 4 + 4) \times (4 \times 4 + 4^4) - 4) \\
&:= 5 + ((5555 - 5 \times 5 \times 5) + ((5 + 5)/5)) \\
&:= 6/6 + (6 \times ((6 \times ((6 + 6) \times (6 + 6) + 6)) + 6)) \\
&:= 7 \times 777 - (7 + 7)/7 \\
&:= 8 + ((8/8 + 88) \times ((8 \times 8 - 88/8) + 8)) \\
&:= 9 + (((9/9 - 9) + 9 \times 9)^{(9+9)/9}) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5438 &:= 11 + (11^{1+1+1} + ((1 + 1)^{1+11})) \\
&:= 2 + ((22 \times (((22^2 + 2)/2 + 2) + 2)) + 2) \\
&:= 33/3 + (3^3 \times (33 \times (3 + 3) + 3)) \\
&:= (4 \times 4 + 4) \times (4 \times 4 + 4^4) - (4 + 4)/4 \\
&:= 5555 - ((555 + 5)/5 + 5) \\
&:= (6 + 6)/6 + (6 \times ((6 \times ((6 + 6) \times (6 + 6) + 6)) + 6)) \\
&:= 7 \times 777 - 7/7 \\
&:= (8 \times (8 \times 88 - 8 - 8 - 8)) - (8 + 8)/8 \\
&:= 9 + ((9 \times (((9 + 9)/9)^9) + 9 \times 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5439 &:= 111 \times (1 + ((1 + 1) \times ((1 + 1) \times (1 + 11)))) \\
&:= 222/2 + (222 \times (22 + 2)) \\
&:= (33 \times ((3 + 3) \times 3^3 + 3)) - 3 - 3 \\
&:= 444/4 \times ((44 + 4/4) + 4) \\
&:= 555/5 \times (55 - (5/5 + 5)) \\
&:= (6/6 + 6) \times (666/6 + 666) \\
&:= 7 \times 777 \\
&:= (8 \times (8 \times 88 - 8 - 8 - 8)) - 8/8 \\
&:= 999/9 \times ((9 \times 99 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5440 &:= 1 + (111 \times (1 + ((1 + 1) \times ((1 + 1) \times (1 + 11)))))) \\
&:= 2 \times ((2 \times (22 + 2 + 2))^2 + 2^{2+2}) \\
&:= (3 - 3/3 + 3) \times (33 \times 33 - 3/3) \\
&:= (4 \times 4 + 4) \times (4 \times 4 + 4^4) \\
&:= (5 + 5) \times (555 - (55/5)) \\
&:= (6 - 6/6) \times ((66/6 + 6) \times ((6 + 6)/6)^6) \\
&:= 7/7 + 7 \times 777 \\
&:= 8 \times (8 \times 88 - 8 - 8 - 8) \\
&:= (9/9 + 9) \times (99 \times 99 - 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5441 &:= 1 + (1 + (111 \times (1 + ((1 + 1) \times ((1 + 1) \times (1 + 11)))))) \blacktriangleright 5446 &:= 1 + (11 \times (11 + ((11 + 11)^{1+1}))) \\
&:= 2 + ((222 \times (22 + 2)) + 222/2) &:= 22 + ((22 + 2) \times (222 + 2 + 2)) \\
&:= (33 \times ((3 + 3) \times 3^3 + 3)) - (3/3 + 3) &:= 3/3 + (33 \times ((3 + 3) \times 3^3 + 3)) \\
&:= 4/4 + (4 \times 4 + 4) \times (4 \times 4 + 4^4) &:= 4 + ((4 \times 4 + 4) \times (4 \times 4 + 4^4) + (4 + 4)/4) \\
&:= 5/5 + ((5 + 5) \times (555 - (55/5))) &:= 5/5 + (55 \times (5 \times (5 \times 5 - 5) - 5/5)) \\
&:= 6 + ((6 \times ((6 \times ((6 + 6) \times (6 + 6) + 6)) + 6)) - 6/6) &:= (6/6 + 6) \times ((666 + 6)/6 + 666) \\
&:= (7 + 7)/7 + 7 \times 777 &:= 7 + 7 \times 777 \\
&:= 8/8 + (8 \times (8 \times 88 - 8 - 8 - 8)) &:= 8 + ((8 \times (8 \times 88 - 8 - 8 - 8)) - ((8 + 8)/8)) \\
&:= 9 \times 9 \times 9 \times 9 - (9999/9 + 9) &:= 9/9 + 99 \times ((999 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5442 &:= ((11111 - 1)/(1 + 1)) - (1 + 1 + 111) \\
&:= 2 + ((2 \times (2 + 2 + 2)^2)^2 + 2^{2 \times (2+2)}) \\
&:= (33 \times ((3 + 3) \times 3^3 + 3)) - 3 \\
&:= (4 + 4)/4 + (4 \times 4 + 4) \times (4 \times 4 + 4^4) \\
&:= 5555 - (555 + 5 + 5)/5 \\
&:= 6 + (6 \times ((6 \times ((6 + 6) \times (6 + 6) + 6)) + 6)) \\
&:= 7 \times 777 + (7 + 7 + 7)/7 \\
&:= (8 + 8)/8 + (8 \times (8 \times 88 - 8 - 8 - 8)) \\
&:= 9 \times 9 \times 9 \times 9 + ((9 - 9999)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5443 &:= ((11111 - 1)/(1 + 1)) - (1 + 111) \\
&:= (22/2 \times (22/2 + 22^2)) - 2 \\
&:= 3/3 + ((33 \times ((3 + 3) \times 3^3 + 3)) - 3) \\
&:= 4 + (444/4 \times ((44 + 4/4) + 4)) \\
&:= 5555 - (555 + 5)/5 \\
&:= 6 + ((6 \times ((6 \times ((6 + 6) \times (6 + 6) + 6)) + 6)) + 6/6) \\
&:= 77/7 + (7 \times 777 - 7) \\
&:= 88/8 + ((8 \times 8 - 8) \times ((8/8 + 88) + 8)) \\
&:= 9 + ((99/9) \times (((9 + 9)/9)^9) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5444 &:= ((11111 - 1)/(1 + 1)) - 111 \\
&:= 2 \times ((2 \times (22 + 2) + 2)^2 + 222) \\
&:= (33 \times ((3 + 3) \times 3^3 + 3)) - 3/3 \\
&:= 4 + (4 \times 4 + 4) \times (4 \times 4 + 4^4) \\
&:= 5555 - 555/5 \\
&:= 6 + ((6 \times ((6 \times ((6 + 6) \times (6 + 6) + 6)) + 6)) + ((6 + 6)/6)) \\
&:= 7 + (7 \times 777 - ((7 + 7)/7)) \\
&:= 8 \times 8/(8 + 8) + (8 \times (8 \times 88 - 8 - 8 - 8)) \\
&:= 99 \times ((999 - 9)/(9 + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5445 &:= 11 \times (11 + ((11 + 11)^{1+1})) \\
&:= 22/2 \times (22/2 + 22^2) \\
&:= 33 \times ((3 + 3) \times 3^3 + 3) \\
&:= 4 + ((4 \times 4 + 4) \times (4 \times 4 + 4^4) + 4/4) \\
&:= 55 \times (5 \times (5 \times 5 - 5) - 5/5) \\
&:= 6 + ((6/6 + 6) \times (666/6 + 666)) \\
&:= 7 + (7 \times 777 - 7/7) \\
&:= 88/8 \times (8 \times 8 \times 8 - (8/8 + 8 + 8)) \\
&:= 99 \times ((999 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5446 &:= 1 + (11 \times (11 + ((11 + 11)^{1+1}))) \\
&:= 22 + ((22 + 2) \times (222 + 2 + 2)) \\
&:= 3/3 + (33 \times ((3 + 3) \times 3^3 + 3)) \\
&:= 4 + ((4 \times 4 + 4) \times (4 \times 4 + 4^4) + (4 + 4)/4) \\
&:= 5/5 + (55 \times (5 \times (5 \times 5 - 5) - 5/5)) \\
&:= (6/6 + 6) \times ((666 + 6)/6 + 666) \\
&:= 7 + 7 \times 777 \\
&:= 8 + ((8 \times (8 \times 88 - 8 - 8 - 8)) - ((8 + 8)/8)) \\
&:= 9/9 + 99 \times ((999 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5447 &:= 1 + (1 + (11 \times (11 + ((11 + 11)^{1+1})))) \\
&:= 2 + (22/2 \times (22/2 + 22^2)) \\
&:= 3 + ((33 \times ((3 + 3) \times 3^3 + 3)) - 3/3) \\
&:= 4 + ((444/4 \times ((44 + 4/4) + 4)) + 4) \\
&:= 5 + (5555 - (555 + 5 + 5)/5) \\
&:= 66/6 + (6 \times ((6 \times ((6 + 6) \times (6 + 6) + 6)) + 6)) \\
&:= 7 + (7 \times 777 + 7/7) \\
&:= 8 + ((8 \times (8 \times 88 - 8 - 8 - 8)) - 8/8) \\
&:= (9 + 9)/9 + 99 \times ((999 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5448 &:= 1 + (1 + (1 + (11 \times (11 + ((11 + 11)^{1+1})))))) \\
&:= 2 \times ((2 \times (22 + 2 + 2))^2 - 2) + 22 \\
&:= 3 + (33 \times ((3 + 3) \times 3^3 + 3)) \\
&:= 4 + ((4 \times 4 + 4) \times (4 \times 4 + 4^4) + 4) \\
&:= 5 + (5555 - (555 + 5)/5) \\
&:= 6 + ((6 \times ((6 \times ((6 + 6) \times (6 + 6) + 6)) + 6)) + 6) \\
&:= 7 + (7 \times 777 + ((7 + 7)/7)) \\
&:= 8 + (8 \times (8 \times 88 - 8 - 8 - 8)) \\
&:= 9 + (999/9 \times ((9 \times 99 - 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5453 &:= 1 + (((1 + 1)^{1+1+1}) + ((1 + 11) \times (1 + 1 + 11))) \\
&:= 2/2 + (2 \times ((2 \times (22 + 2 + 2))^2 + 22)) \\
&:= (3 \times (33 \times 33 + 3^{3+3})) - 3/3 \\
&:= 4/4 + (4 \times (4^4 - 4) + 4444) \\
&:= (((5/5 + 5)^5 + 5^5) + 5)/((5 + 5)/5) \\
&:= 666 + ((6 \times (66 \times (6 + 6) + 6)) - 6/6) \\
&:= 7 + (7 \times 777 + 7) \\
&:= (8 - 8/8) \times (8 \times (88 + 8) + (88/8)) \\
&:= 9 + (99 \times ((999 - 9)/(9 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5458 &:= 1 + (1 + (11 \times (1 + (11 + ((11 + 11)^{1+1})))))) \\
&:= 2 + (2 \times (2 \times (22 \times (2^{2+2+2} - 2)))) \\
&:= 3 + ((3 \times (33 \times 33 + 3^{3+3})) + 3/3) \\
&:= (4 + 4)/4 + 44 \times (4 \times 4 \times (4 + 4) - 4) \\
&:= 5 + (((5/5 + 5)^5 + 5^5) + 5)/((5 + 5)/5) \\
&:= 66 + (((6 + 6)/6)^{6+6}) + 6 \times 6 \times 6 \times 6 \\
&:= 7 + (7 \times 777 + (77 + 7)/7) \\
&:= (8 + 8)/8 + (88 \times (8 \times 8 - ((8 + 8)/8))) \\
&:= 9 + (9 \times 9 \times 9 \times 9 - (9999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5449 &:= 11^{1+1+1} + ((1 + 1) \times (11 + (1 + 1)^{11})) \\
&:= (22/2)^2 + (222 \times (22 + 2)) \\
&:= 3 + ((33 \times ((3 + 3) \times 3^3 + 3)) + 3/3) \\
&:= 4 + (((4 \times 4 + 4) \times (4 \times 4 + 4^4) + 4/4) + 4) \\
&:= 5 + (5555 - 555/5) \\
&:= 6 + (((6 \times ((6 \times ((6 + 6) \times (6 + 6) + 6)) + 6)) + 6/6) + 6) \\
&:= 7 \times 777 + (77 - 7)/7 \\
&:= 8 + ((8 \times (8 \times 88 - 8 - 8 - 8)) + 8/8) \\
&:= 9 \times 9 \times 9 \times 9 - (9999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5454 &:= (1 + 1) \times (((1 + 1)^{1+1+1+1}) - 11)/(1 + 1 + 1) \\
&:= ((2 \times (2 + 2 + 2))^2 + 2^2) - 22 \\
&:= 3 \times (33 \times 33 + 3^{3+3}) \\
&:= 44 \times (4 \times 4 \times (4 + 4) - 4) - (4 + 4)/4 \\
&:= 5 + ((5555 - 555/5) + 5) \\
&:= 666 + (6 \times (66 \times (6 + 6) + 6)) \\
&:= 7 + ((7 \times 777 + 7/7) + 7) \\
&:= (88 \times (8 \times 8 - ((8 + 8)/8))) - (8 + 8)/8 \\
&:= 9 + 99 \times ((999 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5459 &:= (((1 + 1)^{1+1+1+1+1}) - 1)/(1 + 1 + 1) - 1 - 1 \\
&:= 2 + ((22 \times (22^2 + 2) + 222)/2) \\
&:= 3 + ((3/3 + 3) \times ((33/3)^3 + 33)) \\
&:= 4 + (44 \times (4 \times 4 \times (4 + 4) - 4) - 4/4) \\
&:= 5 + (((5555 - 555/5) + 5) + 5) \\
&:= ((6 + 6) \times ((6/6 + 6) \times (66 - 6/6))) - 6/6 \\
&:= 7 + (((7 \times 777 - 7/7) + 7) + 7) \\
&:= (8 \times 8 - 88/8) \times (888/8 - 8) \\
&:= 9 + (9 \times 9 \times 9 \times 9 - 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5450 &:= (11 - 1) \times (((1 + 1111)/(1 + 1)) - 11) \\
&:= ((22 + 2/2) + 2) \times (222 - 2 - 2) \\
&:= (3 - 3/3 + 3) \times (33 \times 33 + 3/3) \\
&:= ((4 - 4/4)^{4+4}) - 4444/4 \\
&:= (5 + 5) \times (555 - 5 - 5) \\
&:= (6 \times 6 - 66/6) \times (6 \times 6 \times 6 + (6 + 6)/6) \\
&:= 77/7 + 7 \times 777 \\
&:= (88/8 - 8)^8 - 8888/8 \\
&:= 9 \times 9 \times 9 \times 9 - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5455 &:= (11 \times (1 + (11 + ((11 + 11)^{1+1})))) - 1 \\
&:= 2/2 + (((2 \times (2 + 2 + 2))^2 + 2^2) - 22) \\
&:= 3/3 + (3 \times (33 \times 33 + 3^{3+3})) \\
&:= 44 \times (4 \times 4 \times (4 + 4) - 4) - 4/4 \\
&:= 5 + (5 + 5) \times (555 - 5 - 5) \\
&:= 6/6 + ((6 \times (66 \times (6 + 6) + 6)) + 666) \\
&:= 7 + ((7 \times 777 + ((7 + 7)/7)) + 7) \\
&:= (88 \times (8 \times 8 - ((8 + 8)/8))) - 8/8 \\
&:= 9 + (99 \times ((999 - 9)/(9 + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5460 &:= (1 + 11) \times (11 + ((1 + 1) \times (1 + 1) \times 11)) \\
&:= ((22 + 2)^2) + 22 \times 222 \\
&:= 33 + (3^3 \times (33 \times (3 + 3) + 3)) \\
&:= 4 + 44 \times (4 \times 4 \times (4 + 4) - 4) \\
&:= 5 + ((5 + 5) \times (555 - 5 - 5) + 5) \\
&:= (6 + 6) \times ((6/6 + 6) \times (66 - 6/6)) \\
&:= 7 + ((7 \times 777 + 7) + 7) \\
&:= (8/8 + 8 \times 8) \times (88 - 8 \times 8/(8 + 8)) \\
&:= 9 + (((9 - 9999)/9) + 9 \times 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5451 &:= 1 + ((11 - 1) \times (((1 + 1111)/(1 + 1)) - 11)) \\
&:= 2 + ((222 \times (22 + 2)) + (22/2)^2) \\
&:= 3 + ((33 \times ((3 + 3) \times 3^3 + 3)) + 3) \\
&:= 44/4 + (4 \times 4 + 4) \times (4 \times 4 + 4^4) \\
&:= 5/5 + (5 + 5) \times (555 - 5 - 5) \\
&:= 6 + (((6/6 + 6) \times (666/6 + 666)) + 6) \\
&:= 7 \times 777 + (77 + 7)/7 \\
&:= 88/8 + (8 \times (8 \times 88 - 8 - 8 - 8)) \\
&:= 9 \times 9 \times 9 \times 9 + ((9 - 9999)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5456 &:= 11 \times (1 + (11 + ((11 + 11)^{1+1}))) \\
&:= 2 \times (2 \times (22 \times (2^{2+2+2} - 2))) \\
&:= (3/3 + 3) \times ((33/3)^3 + 33) \\
&:= 44 \times (4 \times 4 \times (4 + 4) - 4) \\
&:= 5 + ((5 + 5) \times (555 - 5 - 5) + 5/5) \\
&:= 66/6 \times (((6 + 6)/6)^6 + (6 \times (66 + 6))) \\
&:= 7 + (7 \times 777 + ((77 - 7)/7)) \\
&:= 88 \times (8 \times 8 - ((8 + 8)/8)) \\
&:= 99/9 + 99 \times ((999 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5461 &:= (((1 + 1)^{1+1+1+1+1}) - 1)/(1 + 1 + 1) \\
&:= 2/2 + (22 \times 222 + ((22 + 2)^2)) \\
&:= ((3 - 3/3) \times (33/3 + 3)^3) - 3^3 \\
&:= 4 + (44 \times (4 \times 4 \times (4 + 4) - 4) + 4/4) \\
&:= 55/5 + (5 + 5) \times (555 - 5 - 5) \\
&:= 66 \times 66 + ((6666/6) - 6) \\
&:= 7 + (((7 \times 777 + 7/7) + 7) + 7) \\
&:= 8 + ((8 - 8/8) \times (8 \times (88 + 8) + (88/8))) \\
&:= 9 + (((99/9) \times (((9 + 9)/9)^9) - 9) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5452 &:= ((1 + 1)^{1+1+1}) + ((1 + 11) \times (1 + 1 + 11)) \\
&:= 2 \times ((2 \times (22 + 2 + 2))^2 + 22) \\
&:= 3 + (((33 \times ((3 + 3) \times 3^3 + 3)) + 3/3) + 3) \\
&:= 4 \times (4^4 - 4) + 4444 \\
&:= (5 + 5)/5 + (5 + 5) \times (555 - 5 - 5) \\
&:= (66/6 + 6 \times 6) \times (((666 - 6)/6) + 6) \\
&:= 7 + ((7 \times 777 - 7/7) + 7) \\
&:= ((88 + 8)/8) + (8 \times (8 \times 88 - 8 - 8 - 8)) \\
&:= ((99/9) \times (((9 + 9)/9)^9) - 9) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5457 &:= 1 + (11 \times (1 + (11 + ((11 + 11)^{1+1})))) \\
&:= (22 \times (22^2 + 2) + 222)/2 \\
&:= 3 + (3 \times (33 \times 33 + 3^{3+3})) \\
&:= 4/4 + 44 \times (4 \times 4 \times (4 + 4) - 4) \\
&:= 5 + ((5 + 5) \times (555 - 5 - 5) + ((5 + 5)/5)) \\
&:= 6 \times 66 + ((6/6 + 6) \times (((6 \times 6/(6 + 6))^6) - 6)) \\
&:= 7 + (7 \times 777 + (77/7)) \\
&:= 8/8 + (88 \times (8 \times 8 - ((8 + 8)/8))) \\
&:= 999/9 + (99 \times (9 \times 9 - (9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5462 &:= 1 + (((1 + 1)^{1+1+1+1+1}) - 1)/(1 + 1 + 1) \\
&:= 2 + (22 \times 222 + ((22 + 2)^2)) \\
&:= 3 + (((3/3 + 3) \times ((33/3)^3 + 33)) + 3) \\
&:= 4 + (44 \times (4 \times 4 \times (4 + 4) - 4) + (4 + 4)/4) \\
&:= 5555 + (((5 + 5)/5)^5 - 5 \times 5 \times 5) \\
&:= 66 \times 66 + ((6666 + 6)/6 - 6) \\
&:= 7 + (((7 \times 777 + ((7 + 7)/7)) + 7) + 7) \\
&:= 8 + ((88 \times (8 \times 8 - ((8 + 8)/8))) - ((8 + 8)/8)) \\
&:= 9 \times 9 \times 9 \times 9 - ((99 \times 99 + 9)/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5463 &:= 1 + (1 + (((1 + 1)^{1+1+1+1}) - 1) / (1 + 1 + 1)) \\
&:= (22 \times 2^{2 \times (2+2)} - ((22/2 + 2)^2)) \\
&:= 3 \times ((33 \times 33 + 3^{3+3}) + 3) \\
&:= 4^4 + (4444/4 + (4 + 4)^4) \\
&:= (5 - 5/5 + 5) \times (((55 \times 55 + 5) + 5)/5) \\
&:= 6 \times (66 - 6) + ((6/6 + 6) \times ((6 \times 6 / (6 + 6))^6)) \\
&:= 7 + ((7 \times 777 + ((77 - 7)/7)) + 7) \\
&:= 8 + ((88 \times (8 \times 8 - ((8 + 8)/8))) - 8/8) \\
&:= 9 \times 9 \times 9 \times 9 - (999 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5464 &:= (1 + 1) \times (1 + ((1 + 1)^{1+1+1+1}) / (1 + 1 + 1)) \\
&:= 2 \times ((2 \times 22 - 2)^2 + 2 \times 22^2) \\
&:= 3 + (((3 - 3/3) \times (33/3 + 3)^3) - 3^3) \\
&:= 4 \times 4^4 + (4444 - 4) \\
&:= (5 \times (55 \times (5 \times 5 - 5) - 5)) - 55/5 \\
&:= ((6 + 6)/6)^6 + (6 \times (6 \times ((6 + 6) \times (6 + 6) + 6))) \\
&:= 7 + ((7 \times 777 + (77/7)) + 7) \\
&:= 8 + (88 \times (8 \times 8 - ((8 + 8)/8))) \\
&:= 9/9 + (9 \times 9 \times 9 \times 9 - (999 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5465 &:= (11 + ((1 + 1)^{1+1+1+1}) / (1 + 1 + 1)) \\
&:= ((2 \times (2 + 2 + 2)^2 + 2)^2) - 22/2 \\
&:= 3 \times 3 + ((3/3 + 3) \times ((33/3)^3 + 33)) \\
&:= 4/4 + ((4444 - 4) + 4 \times 4^4) \\
&:= (5 \times (55 \times (5 \times 5 - 5) - 5)) - 5 - 5 \\
&:= 66 + ((6 \times (6 \times ((6 + 6) \times (6 + 6) + 6))) - 6/6) \\
&:= 7 + ((7 \times 777 + (77 + 7)/7) + 7) \\
&:= 8 + ((88 \times (8 \times 8 - ((8 + 8)/8))) + 8/8) \\
&:= 9 + (99 \times ((999 - 9) / (9 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5466 &:= (1 + 1) \times ((1 + 1 + 1 + 11)^{1+1+1} - 11) \\
&:= (2 \times (2^{2+2} - 2)^{2/2+2}) - 22 \\
&:= (3 \times (3 + 3))^3 - (333 + 33) \\
&:= 4 \times 4^4 + (4444 - (4 + 4)/4) \\
&:= 5 + ((5 + 5) \times (555 - 5 - 5) + (55/5)) \\
&:= 66 + (6 \times (6 \times ((6 + 6) \times (6 + 6) + 6))) \\
&:= 77 + ((7 \times (777 - 7)) - 7/7) \\
&:= 8 + ((88 \times (8 \times 8 - ((8 + 8)/8))) + ((8 + 8)/8)) \\
&:= 9 + ((99 \times (9 \times 9 - (9 + 9 + 9))) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5467 &:= 11 \times (1 + (1 + (11 + ((11 + 11)^{1+1})))) \\
&:= 22/2 \times (22/2 + 22^2 + 2) \\
&:= 3/3 + ((3 \times (3 + 3))^3 - (333 + 33)) \\
&:= 4 \times 4^4 + (4444 - 4/4) \\
&:= ((5 + 5)/5 + 5) \times ((5^5 - 5/5) / (5 - 5/5)) \\
&:= 66 \times 66 + (6666/6) \\
&:= 77 + (7 \times (777 - 7)) \\
&:= 88/8 + (88 \times (8 \times 8 - ((8 + 8)/8))) \\
&:= (((9 + 9)/9) - 9) + 9 \times 9^{(9+9)/9} - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5468 &:= 1 + (11 \times (1 + (1 + (11 + ((11 + 11)^{1+1})))) \\
&:= 2 \times ((2^{(2/2+2)^2}) + 2222) \\
&:= (3/3 + 3) \times (((33/3)^3 + 33) + 3) \\
&:= 4 \times 4^4 + 4444 \\
&:= 5555 - (((5 + 5)/5)^5 + 55) \\
&:= 66 \times 66 + (6666 + 6)/6 \\
&:= 7/7 + ((7 \times (777 - 7)) + 77) \\
&:= (((8 + 8)/8) + 8 \times 8) + 8^{(8+8)/8} - 8 \\
&:= 9 + ((9 \times 9 \times 9 \times 9 - 9999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5469 &:= (1111 + (((1 + 1 + 1)^{11-1}) - 1)) / 11 \\
&:= 2 + (22/2 \times (22/2 + 22^2 + 2)) \\
&:= (3 \times (3 + 3))^3 - (33 \times 33/3) \\
&:= 4/4 + (4444 + 4 \times 4^4) \\
&:= 5 \times 5 + (5555 - 555/5) \\
&:= 66 \times 66 + (((6666 + 6) + 6)/6) \\
&:= 77 + ((7 \times (777 - 7)) + ((7 + 7)/7)) \\
&:= (8 \times (8 \times 88 - 8)) - (88/8 + 88) \\
&:= 9 + (((9 - 9999)/9) + 9 \times 9 \times 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5470 &:= 1 + ((1111 + (((1 + 1 + 1)^{11-1}) - 1)) / 11) \\
&:= ((2 \times (2 + 2 + 2)^2 + 2)^2) - 2 - 2 - 2 \\
&:= (3 - 3/3) \times ((33/3 + 3)^3 - 3 \times 3) \\
&:= (4 + 4)/4 + (4444 + 4 \times 4^4) \\
&:= (5 \times (55 \times (5 \times 5 - 5) - 5)) - 5 \\
&:= (((6 + 6)/6) + 66) + 6^{(6+6)/6} - 6 \\
&:= (7 \times (777 + 7)) - (77/7 + 7) \\
&:= (8 - 88)/8 + ((8 \times (8 \times 88 - 8)) - 88) \\
&:= ((99/9) \times ((9 + 9)/9)^9) - 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5471 &:= (11111 - (1 + 1 + 11)^{1+1}) / (1 + 1) \\
&:= ((2 \times (2 + 2 + 2)^2 + 2)^2) - 2/2 - 2 - 2 \\
&:= 3 + ((3/3 + 3) \times (((33/3)^3 + 33) + 3)) \\
&:= 4 + ((4444 - 4/4) + 4 \times 4^4) \\
&:= 5/5 + ((5 \times (55 \times (5 \times 5 - 5) - 5)) - 5) \\
&:= ((6 + 6) \times ((6 \times 66 - 6) + 66)) - 6/6 \\
&:= 7 + (((7 \times 777 + (77/7)) + 7) + 7) \\
&:= (8 \times (8 \times 88 - 8)) - ((8/8 + 88) + 8) \\
&:= 9 \times 9 \times 9 \times 9 - ((99 \times 99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5472 &:= (1 + 11)^{1+1} \times (1 + (111/(1 + 1 + 1))) \\
&:= (22 + 2) \times (222 + 2 + 2 + 2) \\
&:= 3 \times (((3 \times 3 + 3)^3 - 3) + 3 \times 33) \\
&:= 4 + (4444 + 4 \times 4^4) \\
&:= (5 + 5)/5 + ((5 \times (55 \times (5 \times 5 - 5) - 5)) - 5) \\
&:= (6 + 6) \times ((6 \times 66 - 6) + 66) \\
&:= (7/7 + 7) \times ((7 \times 7 \times (7 + 7)) - ((7 + 7)/7)) \\
&:= (88 + 8) \times ((8/8 - 8) + 8 \times 8) \\
&:= 9 \times 9 \times 9 \times 9 - (99 \times (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5473 &:= 1 + ((1 + 11)^{1+1} \times (1 + (111/(1 + 1 + 1)))) \\
&:= ((2 \times (2 + 2 + 2)^2 + 2)^2) - 2/2 - 2 \\
&:= (((3 + 3)^3 - 3)/3 + 3)^{3-3/3} - 3 \\
&:= 4 + ((4444 + 4 \times 4^4) + 4/4) \\
&:= (5 \times (55 \times (5 \times 5 - 5) - 5)) - (5 + 5)/5 \\
&:= 6 + ((6666/6) + 66 \times 66) \\
&:= (7 \times (777 + 7)) - (7/7 + 7 + 7) \\
&:= ((8/8 - 88) \times (8/8 - 8 \times 8)) - 8 \\
&:= 9 \times 9 \times 9 \times 9 + (9 - 99 \times 99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5474 &:= (((1 + 1) \times (111/(1 + 1 + 1)))^{1+1}) - 1 - 1 \\
&:= ((2 \times (2 + 2 + 2)^2 + 2)^2) - 2 \\
&:= (3/3 + 33) \times ((3 + 3) \times 3^3 - 3/3) \\
&:= 4 + ((4444 + 4 \times 4^4) + (4 + 4)/4) \\
&:= (5 \times (55 \times (5 \times 5 - 5) - 5)) - 5/5 \\
&:= 6 + ((6666 + 6)/6 + 66 \times 66) \\
&:= (7 \times (777 + 7)) - (7 + 7) \\
&:= 8/8 + (((8/8 - 88) \times (8/8 - 8 \times 8)) - 8) \\
&:= 9 \times 9 \times 9 \times 9 + ((9 - 99 \times 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5475 &:= (((1 + 1) \times (111/(1 + 1 + 1)))^{1+1}) - 1 \\
&:= ((2 \times (2 + 2 + 2)^2 + 2)^2) - 2/2 \\
&:= ((3 + 3)^3 + 3) \times ((3/3 - 3) + 3^3) \\
&:= (4/4 + 4) \times (4444/4 - 4 \times 4) \\
&:= 5 \times (55 \times (5 \times 5 - 5) - 5) \\
&:= (6 \times 66 \times (6 + 6)) + (((6 \times 6 / (6 + 6))^6) - 6) \\
&:= 7/7 + ((7 \times (777 + 7)) - (7 + 7)) \\
&:= ((8/8 + 8 \times 8) + 8) \times (88/8 + 8 \times 8) \\
&:= (((9 + 9)/9) - 9) + 9 \times 9^{(9+9)/9} - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5476 &:= ((1 + 1) \times (111/(1 + 1 + 1)))^{1+1} \\
&:= (2 \times (2 + 2 + 2)^2 + 2)^2 \\
&:= (((3 + 3)^3 - 3)/3 + 3)^{3-3/3} \\
&:= 4 + ((4444 + 4 \times 4^4) + 4) \\
&:= 5/5 + (5 \times (55 \times (5 \times 5 - 5) - 5)) \\
&:= (((6 + 6)/6) + 66) + 6^{(6+6)/6} \\
&:= (7 \times (777 + 7)) - (77 + 7)/7 \\
&:= (((8 + 8)/8) + 8 \times 8) + 8^{(8+8)/8} \\
&:= (((9 + 9)/9) - 9) + 9 \times 9^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5477 &:= 1 + (((1 + 1) \times (111/(1 + 1 + 1)))^{1+1}) \\
&:= 2/2 + ((2 \times (2 + 2 + 2)^2 + 2)^2) \\
&:= 3 + ((3/3 + 33) \times ((3 + 3) \times 3^3 - 3/3)) \\
&:= 4 + (((4444 + 4 \times 4^4) + 4/4) + 4) \\
&:= (5 + 5)/5 + (5 \times (55 \times (5 \times 5 - 5) - 5)) \\
&:= 66 \times (66/6 + 66 + 6) - 6/6 \\
&:= (7 \times (777 + 7)) - 77/7 \\
&:= 8 + ((8 \times (8 \times 88 - 8)) - (88/8 + 88)) \\
&:= 9/9 + (((9 + 9)/9) - 9) + 9 \times 9^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5478 &:= 1 + (1 + (((1 + 1) \times (111 / (1 + 1 + 1)))^{1+1})) \\
&:= 2 + ((2 \times (2 + 2 + 2)^2 + 2)^2) \\
&:= 33 + (33 \times ((3 + 3) \times 3^3 + 3)) \\
&:= (4 + 4)^4 + ((44 \times (4^4 - 4) / (4 + 4)) - 4) \\
&:= 5 + ((5 \times (55 \times (5 \times 5 - 5) - 5)) - ((5 + 5) / 5)) \\
&:= 66 \times (66 / 6 + 66 + 6) \\
&:= ((7 - 77) / 7) + (7 \times (777 + 7)) \\
&:= (8 \times (8 \times 88 - 8)) - ((8 + 8) / 8 + 88) \\
&:= 9 \times (9 \times 9 \times 9 - 99 - 9) - 999 / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5479 &:= 111 + (((1 + 1 + 1)^{11-1} - 1) / 11) \\
&:= 2 + (((2 \times (2 + 2 + 2)^2 + 2)^2) + 2 / 2) \\
&:= 3 + (((3 \times 3 + 3)^3 - 3) / 3 + 3)^{3-3/3} \\
&:= 44 / 4 + (4444 + 4 \times 4^4) \\
&:= 5 + ((5 \times (55 \times (5 \times 5 - 5) - 5)) - 5 / 5) \\
&:= 6 / 6 + 66 \times (66 / 6 + 66 + 6) \\
&:= (7 \times (777 + 7)) - ((7 + 7) / 7 + 7) \\
&:= (8 \times (8 \times 88 - 8)) - (8 / 8 + 88) \\
&:= 9 + (((99 / 9) \times ((9 + 9) / 9)^9) - 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5480 &:= 1 + (111 + (((1 + 1 + 1)^{11-1} - 1) / 11)) \\
&:= 2 + (((2 \times (2 + 2 + 2)^2 + 2)^2) + 2) \\
&:= (3 \times ((3 \times 3 + 3)^3 + 3 \times 33)) - 3 / 3 \\
&:= 4444 + (4 \times (4^4 + 4) - 4) \\
&:= 5 + (5 \times (55 \times (5 \times 5 - 5) - 5)) \\
&:= (6 + 6) / 6 + 66 \times (66 / 6 + 66 + 6) \\
&:= (7 \times (777 + 7)) - (7 / 7 + 7) \\
&:= (8 \times (8 \times 88 - 8)) - 88 \\
&:= 9 \times (9 \times 9 \times 9 - 9) - (999 + 9 / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5481 &:= (1 + 1 + 1) \times (1 + ((1 + 1)^{11} - (1 + 1) \times 111)) \\
&:= 2 + (((2 \times (2 + 2 + 2)^2 + 2)^2) + 2 / 2) + 2) \\
&:= 3 \times ((3 \times 3 + 3)^3 + 3 \times 33) \\
&:= (4 / 4 + 4 + 4) \times ((4 / 4 + 4)^4 - 4 \times 4) \\
&:= 5 + ((5 \times (55 \times (5 \times 5 - 5) - 5)) + 5 / 5) \\
&:= (6 \times 66 \times (6 + 6)) + ((6 \times 6 / (6 + 6))^6) \\
&:= (7 \times (777 + 7)) - 7 \\
&:= (8 / 8 - 88) \times (8 / 8 - 8 \times 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5482 &:= (1 + 1) \times ((1 + 1 + 1 + 11)^{1+1+1} - (1 + 1 + 1)) \\
&:= 2 + (((2 \times (2 + 2 + 2)^2 + 2)^2) + 2) + 2) \\
&:= (3 - 3 / 3) \times ((33 / 3 + 3)^3 - 3) \\
&:= (4 + 4)^4 + (44 \times (4^4 - 4) / (4 + 4)) \\
&:= 5 + ((5 \times (55 \times (5 \times 5 - 5) - 5)) + ((5 + 5) / 5)) \\
&:= 6 + (((6 + 6) / 6 + 66) + 6)^{(6+6)/6} \\
&:= 7 / 7 + ((7 \times (777 + 7)) - 7) \\
&:= 8 / 8 + ((8 / 8 - 88) \times (8 / 8 - 8 \times 8)) \\
&:= 9 / 9 + (9 \times (9 \times 9 \times 9 - 9) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5483 &:= (11111 - (1 + (1 + 11)^{1+1})) / (1 + 1) \\
&:= 22^2 + (((2 \times (2 + 2) + 2)^{2+2} - 2) / 2) \\
&:= 3 + ((3 \times ((3 \times 3 + 3)^3 + 3 \times 33)) - 3 / 3) \\
&:= 4444 + (4 \times (4^4 + 4) - 4 / 4) \\
&:= 5555 - (((55 + 5) / 5) + 55) + 5) \\
&:= 6 + (66 \times (66 / 6 + 66 + 6) - 6 / 6) \\
&:= (7 + 7) / 7 + ((7 \times (777 + 7)) - 7) \\
&:= 8 + (((8 / 8 + 8 \times 8) + 8) \times (88 / 8 + 8 \times 8)) \\
&:= (9 + 9) / 9 + (9 \times (9 \times 9 \times 9 - 9) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5484 &:= (1 + 1) \times ((1 + 1 + 1 + 11)^{1+1+1} - (1 + 1)) \\
&:= 2 \times ((2^{2+2} - 2)^{2/2+2} - 2) \\
&:= 3 + (3 \times ((3 \times 3 + 3)^3 + 3 \times 33)) \\
&:= 4444 + 4 \times (4^4 + 4) \\
&:= (5 - 5 / 5) \times ((5 \times 5 \times 55 - 5) + 5 / 5) \\
&:= 6 + 66 \times (66 / 6 + 66 + 6) \\
&:= 7 + ((7 \times (777 + 7)) - (77 / 7)) \\
&:= 8 + (((8 + 8) / 8) + 8 \times 8 + 8)^{(8+8)/8} \\
&:= 9 + (((9 + 9) / 9) - 9) + 9 \times 9^{(9+9)/9} - 9 / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5485 &:= ((1 + 1) \times ((1 + 1 + 1 + 11)^{1+1+1} - 1)) - 1 \\
&:= 2 / 2 + (2 \times ((2^{2+2} - 2)^{2/2+2} - 2)) \\
&:= ((3 - 3 / 3) \times ((33 / 3 + 3)^3) - 3) \\
&:= 4 / 4 + (4444 + 4 \times (4^4 + 4)) \\
&:= 5 + ((5 \times (55 \times (5 \times 5 - 5) - 5)) + 5) \\
&:= 6 + (66 \times (66 / 6 + 66 + 6) + 6 / 6) \\
&:= (7 \times (777 + 7)) - (7 + 7 + 7) / 7 \\
&:= (8 \times (8 \times 88 - (8 + 8))) - (88 / 8 + 8) \\
&:= 9 + (((9 + 9) / 9) - 9) + 9 \times 9^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5486 &:= (1 + 1) \times ((1 + 1 + 1 + 11)^{1+1+1} - 1) \\
&:= (2 \times (2^{2+2} - 2)^{2/2+2}) - 2 \\
&:= (3 - 3 / 3) \times ((33 / 3 + 3)^3 - 3 / 3) \\
&:= 4 + ((44 \times (4^4 - 4) / (4 + 4)) + (4 + 4)^4) \\
&:= 55 / 5 + (5 \times (55 \times (5 \times 5 - 5) - 5)) \\
&:= 6 + (66 \times (66 / 6 + 66 + 6) + ((6 + 6) / 6)) \\
&:= (7 \times (777 + 7)) - (7 + 7) / 7 \\
&:= 8 + ((8 \times (8 \times 88 - 8)) - ((8 + 8) / 8 + 88)) \\
&:= 9 + (((9 + 9) / 9) - 9) + 9 \times 9^{(9+9)/9} + 9 / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5487 &:= ((1 + 1) \times (1 + 1 + 1 + 11)^{1+1+1}) - 1 \\
&:= 22 / 2 + ((2 \times (2 + 2 + 2)^2 + 2)^2) \\
&:= ((3^3 + 3) \times ((3 + 3)^3 - 33)) - 3 \\
&:= (4 \times 44 + 4 / 4) \times (4 \times (4 + 4) - 4 / 4) \\
&:= ((55 + 5) / 5) + (5 \times (55 \times (5 \times 5 - 5) - 5)) \\
&:= 6 + ((6 \times 66 \times (6 + 6)) + ((6 \times 6 / (6 + 6))^6)) \\
&:= (7 \times (777 + 7)) - 7 / 7 \\
&:= 8 + ((8 \times (8 \times 88 - 8)) - (8 / 8 + 88)) \\
&:= 9 \times (((9 + 9) / 9)^9 + 99) - (99 + 9) / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5488 &:= (1 + 1) \times (1 + 1 + 1 + 11)^{1+1+1} \\
&:= 2 \times (2^{2+2} - 2)^{2/2+2} \\
&:= (3 - 3 / 3) \times ((33 / 3 + 3)^3) \\
&:= 4 \times ((4 + 4) \times (4 \times 44 - 4) - 4) \\
&:= 5555 - (((55 + 5) / 5) + 55) \\
&:= 6 + (((6 + 6) / 6 + 66) + 6)^{(6+6)/6} + 6) \\
&:= 7 \times (777 + 7) \\
&:= 8 + ((8 \times (8 \times 88 - 8)) - 88) \\
&:= (99 - 9 / 9) \times ((999 + 9) / (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5489 &:= 1 + ((1 + 1) \times (1 + 1 + 1 + 11)^{1+1+1}) \\
&:= 2 / 2 + (2 \times (2^{2+2} - 2)^{2/2+2}) \\
&:= (3 \times (3 + 3))^3 - ((3 / 3 + 3 + 3)^3) \\
&:= 4 / 4 + (4 \times ((4 + 4) \times (4 \times 44 - 4) - 4)) \\
&:= 5555 - (55 / 5 + 55) \\
&:= (6 - 6 / 6) \times 6666 / 6 - 66 \\
&:= 7 / 7 + (7 \times (777 + 7)) \\
&:= 8 + ((8 / 8 - 88) \times (8 / 8 - 8 \times 8)) \\
&:= 99 / 9 \times ((9 \times 999 - 9) / (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5490 &:= (1 + 1) \times (1 + (1 + 1 + 1 + 11)^{1+1+1}) \\
&:= 2 + (2 \times (2^{2+2} - 2)^{2/2+2}) \\
&:= (3^3 + 3) \times ((3 + 3)^3 - 33) \\
&:= (44 + 4 / 4) \times (444 + 44) / 4 \\
&:= (5 + 5) \times (555 - (5 / 5 + 5)) \\
&:= 666 + ((6 + 6) \times (6 \times 66 + 6)) \\
&:= (7 + 7) / 7 + (7 \times (777 + 7)) \\
&:= 8 + (((8 / 8 - 88) \times (8 / 8 - 8 \times 8)) + 8 / 8) \\
&:= 9 \times (((9 + 9) / 9)^9 + 99) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5491 &:= 1 + ((1 + 1) \times (1 + (1 + 1 + 1 + 11)^{1+1+1})) \\
&:= 2 + ((2 \times (2^{2+2} - 2)^{2/2+2}) + 2 / 2) \\
&:= 3 + ((3 - 3 / 3) \times ((33 / 3 + 3)^3)) \\
&:= 4 + ((4 \times 44 + 4 / 4) \times (4 \times (4 + 4) - 4 / 4)) \\
&:= 5 / 5 + ((5 + 5) \times (555 - (5 / 5 + 5))) \\
&:= 6 / 6 + (((6 + 6) \times (6 \times 66 + 6)) + 666) \\
&:= (7 + 7 + 7) / 7 + (7 \times (777 + 7)) \\
&:= 88 / 8 + ((8 \times (8 \times 88 - 8)) - 88) \\
&:= 9 / 9 + (9 \times (((9 + 9) / 9)^9 + 99) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5492 &:= (1 + 1) \times (1 + (1 + (1 + 1 + 1 + 11)^{1+1+1})) \\
&:= 2 \times ((2^{2+2} - 2)^{2/2+2} + 2) \\
&:= 3 + ((3 \times (3 + 3))^3 - ((3 / 3 + 3 + 3)^3)) \\
&:= 4 + (4 \times ((4 + 4) \times (4 \times 44 - 4) - 4)) \\
&:= (5 - 5 / 5) \times (5 \times 5 \times 55 - ((5 + 5) / 5)) \\
&:= 666 + (((6 + 6) \times (6 \times 66 + 6)) + ((6 + 6) / 6)) \\
&:= 77 / 7 + ((7 \times (777 + 7)) - 7) \\
&:= (8 \times (8 \times 88 - (8 + 8))) - (88 + 8) / 8 \\
&:= (9 + 9) / 9 + (9 \times (((9 + 9) / 9)^9 + 99) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5493 &:= 1 + ((1+1) \times (1 + (1 + (1+1+1+11)^{1+1+1}))) \\
&:= 2/2 + (2 \times ((2^{2+2} - 2)^{2/2+2} + 2)) \\
&:= 3 + ((3^3 + 3) \times ((3+3)^3 - 33)) \\
&:= ((4-4/4)^{4+4}) - (4 \times 4^4 + 44) \\
&:= 5555 + ((5-5^5/5)/(5+5)) \\
&:= ((66/6 + 6 \times 6) \times (666/6 + 6)) - 6 \\
&:= 7 + ((7 \times (777+7)) - ((7+7)/7)) \\
&:= (8 \times (8 \times 88 - (8+8))) - 88/8 \\
&:= (99+9)/9 + (9 \times (9 \times 9 \times 9 - 9) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5494 &:= ((11 \times (111 \times (11-1-1))) - 1)/(1+1) \\
&:= 2 + (2 \times ((2^{2+2} - 2)^{2/2+2} + 2)) \\
&:= (3-3/3) \times ((33/3+3)^3 + 3) \\
&:= 4 + ((44+4/4) \times (444+44)/4) \\
&:= 5555 - ((55+5/5) + 5) \\
&:= (66+6/6) \times (((6+6)/6)^6 + 6) + 6 \\
&:= 7 + ((7 \times (777+7)) - 7/7) \\
&:= (8-88)/8 + (8 \times (8 \times 88 - (8+8))) \\
&:= 9 + (((((9+9)/9) - 9) + 9 \times 9)^{(9+9)/9} + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5495 &:= (11111 - 11^{1+1})/(1+1) \\
&:= ((22+2/2) \times ((22^2-2)/2-2)) - 2 \\
&:= (3 \times (3+3))^3 - ((333+3/3) + 3) \\
&:= 44/4 + (4444+4 \times (4^4+4)) \\
&:= 5555 - 55 - 5 \\
&:= (6-6/6) \times ((6666/6) - (6+6)) \\
&:= 7 + (7 \times (777+7)) \\
&:= (8 \times (8 \times 88 - (8+8))) - (8/8+8) \\
&:= ((99 \times 999/9) + 9/9)/(9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5496 &:= 1 + ((11111 - 11^{1+1})/(1+1)) \\
&:= 2 \times (((2^{2+2} - 2)^{2/2+2} + 2) + 2) \\
&:= (3 \times (3+3))^3 - 333 - 3 \\
&:= (4+4) \times ((4 \times (4 \times 44 - 4)) - 4/4) \\
&:= 5/5 + (5555 - (55+5)) \\
&:= ((6/6+6) \times (66 \times (6+6) - 6)) - 6 \\
&:= 7 + ((7 \times (777+7)) + 7/7) \\
&:= (8 \times (8 \times 88 - (8+8))) - 8 \\
&:= 9 \times (((9+9)/9)^9 + 99) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5497 &:= 1 + (1 + ((11111 - 11^{1+1})/(1+1))) \\
&:= (22+2/2) \times ((22^2-2)/2-2) \\
&:= 3 + ((3-3/3) \times ((33/3+3)^3 + 3)) \\
&:= 4 + (((4-4/4)^{4+4}) - (4 \times 4^4 + 44)) \\
&:= (5+5)/5 + (5555 - (55+5)) \\
&:= 6/6 + (((6/6+6) \times (66 \times (6+6) - 6)) - 6) \\
&:= 7 + ((7 \times (777+7)) + ((7+7)/7)) \\
&:= 8/8 + ((8 \times (8 \times 88 - (8+8))) - 8) \\
&:= 9 \times (((9+9)/9)^9 + 99) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5498 &:= (11 \times ((11-1)^{1+1+1}/(1+1))) - 1 - 1 \\
&:= 22 + ((2 \times (2+2+2)^2 + 2)^2) \\
&:= (3 \times (3+3))^3 - (333+3/3) \\
&:= 4 \times (4+4) \times (4 \times 44 - 4) - ((4+4)/4+4) \\
&:= 5555 - ((5+5)/5 + 55) \\
&:= (6+6)/6 + (((6/6+6) \times (66 \times (6+6) - 6)) - 6) \\
&:= ((77-7)/7) + (7 \times (777+7)) \\
&:= (8+8)/8 + ((8 \times (8 \times 88 - (8+8))) - 8) \\
&:= 9 \times (((9+9)/9)^9 + 99) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5499 &:= (11 \times ((11-1)^{1+1+1}/(1+1))) - 1 \\
&:= ((22 \times (2^{2+2} + 22^2)) - 2)/2 \\
&:= (3 \times (3+3))^3 - 333 \\
&:= 4 \times (4+4) \times (4 \times 44 - 4) - 4/4 - 4 \\
&:= 5555 - (55+5/5) \\
&:= (66/6 + 6 \times 6) \times (666/6 + 6) \\
&:= 77/7 + (7 \times (777+7)) \\
&:= 8 + (((8 \times (8 \times 88 - 8)) - 88) + (88/8)) \\
&:= 9 \times (((9+9)/9)^9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5500 &:= 11 \times ((11-1)^{1+1+1}/(1+1)) \\
&:= 2 \times (22 \times (((22/2)^2 + 2) + 2)) \\
&:= 3/3 + ((3 \times (3+3))^3 - 333) \\
&:= 44 \times ((4-4/4)^4 + 44) \\
&:= 5 \times 55 \times (5 \times 5 - 5) \\
&:= (6-6/6) \times ((6666-66)/6) \\
&:= (77+7)/7 + (7 \times (777+7)) \\
&:= 88/8 \times (8 \times 8 \times 8 - ((88+8)/8)) \\
&:= 9/9 + 9 \times (((9+9)/9)^9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5501 &:= 1 + (11 \times ((11-1)^{1+1+1}/(1+1))) \\
&:= ((22 \times (2^{2+2} + 22^2)) + 2)/2 \\
&:= 3 + ((3 \times (3+3))^3 - (333+3/3)) \\
&:= 4/4 + (44 \times ((4-4/4)^4 + 44)) \\
&:= 5/5 + (5 \times 55 \times (5 \times 5 - 5)) \\
&:= 6 \times 6 \times 66 + ((6-6/6)^{6-6/6}) \\
&:= 7 + (((7 \times (777+7)) - 7/7) + 7) \\
&:= 8 + ((8 \times (8 \times 88 - (8+8))) - (88/8)) \\
&:= (9+9)/9 + 9 \times (((9+9)/9)^9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5502 &:= 1 + (1 + (11 \times ((11-1)^{1+1+1}/(1+1)))) \\
&:= 2 + (2 \times (22 \times (((22/2)^2 + 2) + 2))) \\
&:= 3 + ((3 \times (3+3))^3 - 333) \\
&:= (4^4 \times (44-4/4) - 4)/(4+4)/4 \\
&:= (5+5)/5 + (5 \times 55 \times (5 \times 5 - 5)) \\
&:= (6/6+6) \times (66 \times (6+6) - 6) \\
&:= 7 + ((7 \times (777+7)) + 7) \\
&:= (8 \times (8 \times 88 - (8+8))) - (8+8)/8 \\
&:= ((9+9+9)/9) + 9 \times (((9+9)/9)^9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5503 &:= 1 + (1 + (1 + (11 \times ((11-1)^{1+1+1}/(1+1)))))) \\
&:= 2 + (((22 \times (2^{2+2} + 22^2)) + 2)/2) \\
&:= 3 + (((3 \times (3+3))^3 - 333) + 3/3) \\
&:= 4 \times (4+4) \times (4 \times 44 - 4) - 4/4 \\
&:= 5 + (5555 - ((5+5)/5 + 55)) \\
&:= 6/6 + (((6/6+6) \times (66 \times (6+6) - 6)) - 6) \\
&:= 7 + (((7 \times (777+7)) + 7/7) + 7) \\
&:= (8 \times (8 \times 88 - (8+8))) - 8/8 \\
&:= 9 + ((((((9+9)/9) - 9) + 9 \times 9)^{(9+9)/9} + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5504 &:= (1+1)^{11} + ((1+1) \times ((1+11)^{1+1+1})) \\
&:= 2^{2+2+2} \times (2 \times 2 \times 22 - 2) \\
&:= 3 + (((3 \times (3+3))^3 - (333+3/3)) + 3) \\
&:= 4 \times (4+4) \times (4 \times 44 - 4) \\
&:= 5 + (5555 - (55+5/5)) \\
&:= (6+6)/6 + ((6/6+6) \times (66 \times (6+6) - 6)) \\
&:= ((7+7)/7)^7 \times ((7/7-7) + 7 \times 7) \\
&:= 8 \times (8 \times 88 - (8+8)) \\
&:= 9 + (((99 \times 999/9) + 9/9)/(9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5505 &:= (1 + (1 + 1 + 1 + 1)) \times (1 + (1111 - 11)) \\
&:= 2/2 + (2^{2+2+2} \times (2 \times 2 \times 22 - 2)) \\
&:= 3 + (((3 \times (3+3))^3 - 333) + 3) \\
&:= 4/4 + 4 \times (4+4) \times (4 \times 44 - 4) \\
&:= 5 + (5 \times 55 \times (5 \times 5 - 5)) \\
&:= 6 + ((66/6 + 6 \times 6) \times (666/6 + 6)) \\
&:= 77 + (7 \times 777 - (77/7)) \\
&:= 8/8 + (8 \times (8 \times 88 - (8+8))) \\
&:= 9 + (9 \times (((9+9)/9)^9 + 99) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5506 &:= (1 + (11 \times (1 + (11-1)^{1+1+1}))) / (1+1) \\
&:= 2 + (2^{2+2+2} \times (2 \times 2 \times 22 - 2)) \\
&:= (3-3/3) \times ((33/3+3)^3 + 3 \times 3) \\
&:= (4+4)/4 + 4 \times (4+4) \times (4 \times 44 - 4) \\
&:= 5 + ((5 \times 55 \times (5 \times 5 - 5)) + 5/5) \\
&:= 6 + ((6-6/6) \times ((6666-66)/6)) \\
&:= 7 + ((7 \times (777+7)) + (77/7)) \\
&:= (8+8)/8 + (8 \times (8 \times 88 - (8+8))) \\
&:= 9 + (9 \times (((9+9)/9)^9 + 99) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5507 &:= 1 + ((1 + (11 \times (1 + (11-1)^{1+1+1}))) / (1+1)) \\
&:= 2 + ((2^{2+2+2} \times (2 \times 2 \times 22 - 2)) + 2/2) \\
&:= (3 \times (3 \times ((3+3) \times (3 \times 33 + 3)))) - 3/3 \\
&:= 4 + (4 \times (4+4) \times (4 \times 44 - 4) - 4/4) \\
&:= 5 + ((5 \times 55 \times (5 \times 5 - 5)) + ((5+5)/5)) \\
&:= (6 \times (6 \times (6 \times 6 + 6) + 666)) - 6/6 \\
&:= 7 + ((7 \times (777+7)) + (77+7)/7) \\
&:= 88/8 + ((8 \times (8 \times 88 - (8+8))) - 8) \\
&:= 9 + (9 \times (((9+9)/9)^9 + 99) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5508 &:= (1+1) \times (11 + ((1+1+1+11)^{1+1+1} - 1)) \\
&:= (2^{2+2} + 2/2) \times ((2^{2+2} + 2)^2) \\
&:= 3 \times (3 \times ((3+3) \times (3 \times 33 + 3))) \\
&:= 4 + 4 \times (4+4) \times (4 \times 44 - 4) \\
&:= (5 - 5/5) \times (5 \times 5 \times 55 + ((5+5)/5)) \\
&:= 6 \times (6 \times (6 \times 6 + 6) + 666) \\
&:= 77 + (7 \times 777 - (7/7 + 7)) \\
&:= 8 \times 8 / (8+8) + (8 \times (8 \times 88 - (8+8))) \\
&:= 9 + 9 \times (((9+9)/9)^9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5509 &:= (11 \times ((1+1)^{11-1-1} - 11)) - 1 - 1 \\
&:= 22 \times 222 + ((2/2 + 2 + 2)^{2+2}) \\
&:= 3/3 + (3 \times (3 \times ((3+3) \times (3 \times 33 + 3)))) \\
&:= 4 + (4 \times (4+4) \times (4 \times 44 - 4) + 4/4) \\
&:= 5 + ((5555 - (55 + 5/5)) + 5) \\
&:= 6/6 + (6 \times (6 \times (6 \times 6 + 6) + 666)) \\
&:= 77 + (7 \times 777 - 7) \\
&:= 8 + (((8 \times (8 \times 88 - (8+8))) - (88/8)) + 8) \\
&:= 9 + (9 \times (((9+9)/9)^9 + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5510 &:= (11 \times ((1+1)^{11-1-1} - 11)) - 1 \\
&:= 22 + (2 \times (2^{2+2} - 2)^{2/2+2}) \\
&:= 33/3 + ((3 \times (3+3))^3 - 333) \\
&:= 4 + (4 \times (4+4) \times (4 \times 44 - 4) + (4+4)/4) \\
&:= 5 + ((5 \times 55 \times (5 \times 5 - 5)) + 5) \\
&:= (6+6)/6 + (6 \times (6 \times (6 \times 6 + 6) + 666)) \\
&:= 7/7 + ((7 \times 777 - 7) + 77) \\
&:= 8 + ((8 \times (8 \times 88 - (8+8))) - ((8+8)/8)) \\
&:= 99/9 + 9 \times (((9+9)/9)^9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5511 &:= 11 \times ((1+1)^{11-1-1} - 11) \\
&:= (22 \times 2^{2 \times (2+2)}) - (22/2)^2 \\
&:= 3 + (3 \times (3 \times ((3+3) \times (3 \times 33 + 3)))) \\
&:= 44/4 \times ((4^4 - 44/4) + 4^4) \\
&:= 55/5 + (5 \times 55 \times (5 \times 5 - 5)) \\
&:= 66/6 \times ((666/6 - 6) + 6 \times 66) \\
&:= 7 + (((7+7)/7)^7 \times ((7/7 - 7) + 7 \times 7)) \\
&:= 8 + ((8 \times (8 \times 88 - (8+8))) - 8/8) \\
&:= 99/9 \times (((9+9)/9)^9 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5512 &:= 1 + (11 \times ((1+1)^{11-1-1} - 11)) \\
&:= 2 \times (2 \times ((2 \times (22 - 2))^2 - 222)) \\
&:= (3^3 - 3/3) \times ((3+3)^3 - (3/3 + 3)) \\
&:= 4 + (4 \times (4+4) \times (4 \times 44 - 4) + 4) \\
&:= 5555 + (((55+5)/5) - 55) \\
&:= 6 \times 6 + (((((6+6)/6) + 66) + 6)^{(6+6)/6}) \\
&:= 7 + ((7 \times 777 - (77/7)) + 77) \\
&:= 8 + (8 \times (8 \times 88 - (8+8))) \\
&:= ((9 \times 9 - ((9+9)/9))^{(9+9)/9}) - 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5513 &:= 1 + (1 + (11 \times ((1+1)^{11-1-1} - 11))) \\
&:= 2 + ((22 \times 2^{2 \times (2+2)}) - (22/2)^2) \\
&:= 3 + (((3 \times (3+3))^3 - 333) + 33/3) \\
&:= 4 + ((4 \times (4+4) \times (4 \times 44 - 4) + 4/4) + 4) \\
&:= 5555 - (((5+5)/5)^5 + 5) + 5 \\
&:= 6 + ((6 \times (6 \times (6 \times 6 + 6) + 666)) - 6/6) \\
&:= 7 + (((7 \times (777 + 7)) + (77/7)) + 7) \\
&:= 8 + ((8 \times (8 \times 88 - (8+8))) + 8/8) \\
&:= ((99/9) \times (((9+9)/9)^9 - (9/9 + 9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5514 &:= 1 + (1 + (1 + (11 \times ((1+1)^{11-1-1} - 11)))) \\
&:= 2 + (2 \times (2 \times ((2 \times (22 - 2))^2 - 222))) \\
&:= 333 + ((3 \times (3 \times 3 + 3))^3 - 3) \\
&:= (44 - 4)/4 + 4 \times (4+4) \times (4 \times 44 - 4) \\
&:= 5^5 + (5^5 - (555 + 5^5)/5) \\
&:= 6 + (6 \times (6 \times (6 \times 6 + 6) + 666)) \\
&:= 77 + (7 \times 777 - ((7+7)/7)) \\
&:= 8 + ((8 \times (8 \times 88 - (8+8))) + ((8+8)/8)) \\
&:= (9 - ((9+9+9)/9)) \times ((999 - 9 \times 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5515 &:= (11111 - (11 - 1 - 1)^{1+1}) / (1+1) \\
&:= 2 + (((22 \times 2^{2 \times (2+2)}) - (22/2)^2) + 2) \\
&:= 3^3 + ((3 - 3/3) \times (33/3 + 3)^3) \\
&:= 44/4 + 4 \times (4+4) \times (4 \times 44 - 4) \\
&:= 5 + (((5 \times 55 \times (5 \times 5 - 5)) + 5) + 5) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 + 6) + 666)) + 6/6) \\
&:= 77 + (7 \times 777 - 7/7) \\
&:= 88/8 + (8 \times (8 \times 88 - (8+8))) \\
&:= ((99/9) \times (((9+9)/9)^9 - 9)) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5516 &:= ((1+1+1) \times (111 + ((1+11)^{1+1+1}))) - 1 \\
&:= 2 \times (2 \times ((2 \times (22 - 2))^2 - 222)) + 2) \\
&:= 333 + ((3 \times (3 \times 3 + 3))^3 - 3/3) \\
&:= (4 \times ((4+4) \times (4 \times 44 - 4) + 4)) - 4 \\
&:= 5 + ((5 \times 55 \times (5 \times 5 - 5)) + (55/5)) \\
&:= (6/6 + 6) \times ((66 \times (6+6) - 6) + ((6+6)/6)) \\
&:= 77 + 7 \times 777 \\
&:= ((88 + 8)/8) + (8 \times (8 \times 88 - (8+8))) \\
&:= 9 + (9 \times (((9+9)/9)^9 + 99) - 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5517 &:= (1+1+1) \times (111 + ((1+11)^{1+1+1})) \\
&:= 222/2 + ((2 \times (2 \times (22 + 2 + 2))^2) - 2) \\
&:= 333 + (3 \times (3 \times 3 + 3)^3) \\
&:= ((4 - 4/4)^{4+4}) - (4 \times (4^4 + 4) + 4) \\
&:= (5 - 5/5 + 5) \times ((5^5 - (55 + 5))/5) \\
&:= ((6 \times 6 / (6+6))^6) + (6 \times (66 \times (6+6) + 6)) \\
&:= 7/7 + (7 \times 777 + 77) \\
&:= 8 \times 8 \times 88 - (((88/8 + 88) + 8) + 8) \\
&:= 9 + (9 \times (((9+9)/9)^9 + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5518 &:= 1 + ((1+1+1) \times (111 + ((1+11)^{1+1+1}))) \\
&:= ((22 + 2) \times (222 + 2 \times (2 + 2))) - 2 \\
&:= 3/3 + ((3 \times (3 \times 3 + 3))^3 + 333) \\
&:= (4 \times (4+4) - 4/4) \times (4 \times 44 + (4+4)/4) \\
&:= 5555 - (((5+5)/5)^5 + 5) \\
&:= 6 + ((((((6+6)/6) + 66) + 6)^{(6+6)/6}) + 6 \times 6) \\
&:= 77 + (7 \times 777 + ((7+7)/7)) \\
&:= (8/8 + 88) \times (8 \times 8 - ((8+8)/8)) \\
&:= 9 + (9 \times (((9+9)/9)^9 + 99) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5519 &:= (11 \times (1+1)^{11-1-1}) - (1+1+111) \\
&:= 222/2 + (2 \times (2 \times (22 + 2 + 2))^2) \\
&:= 3 \times 3^{3+3} + (3333 - 3/3) \\
&:= (4^4 \times ((4 \times 4 + 4) + 4)) - (4/4 + 4)^4 \\
&:= 5555 - (55/5 + 5 \times 5) \\
&:= (6 - 6/6) \times 6666/6 - 6 \times 6 \\
&:= 77 + (7 \times 777 + ((7+7+7)/7)) \\
&:= 8 + (((8 \times (8 \times 88 - (8+8))) - 8/8) + 8) \\
&:= 9 + (9 \times (((9+9)/9)^9 + 99) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5520 &:= (1+1) \times ((1 + (11 + 11)) \times (11^{1+1} - 1)) \\
&:= (22 + 2) \times (222 + 2 \times (2 + 2)) \\
&:= 3 \times 3^{3+3} + 3333 \\
&:= 4 \times ((4+4) \times (4 \times 44 - 4) + 4) \\
&:= (5 - 5/5) \times (5 \times 5 \times 55 + 5) \\
&:= (6+6) \times (((6+6)/6)^6 + 6 \times 66) \\
&:= 77 + ((7 \times 777 - 7) + (77/7)) \\
&:= 8 + ((8 \times (8 \times 88 - (8+8))) + 8) \\
&:= (9/9 - 9 \times 9) \times ((99 + 9)/9 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5521 &:= (11 \times (1+1)^{11-1-1}) - 111 \\
&:= (22 \times 2^{2 \times (2+2)}) - 222/2 \\
&:= 3/3 + (3 \times 3^{3+3} + 3333) \\
&:= ((4 - 4/4)^{4+4}) - 4 \times (4^4 + 4) \\
&:= 5^5 + (((5+5)/5 + 5)^{5-5/5}) - 5) \\
&:= 6/6 + ((6+6) \times (((6+6)/6)^6 + 6 \times 66)) \\
&:= 7 + ((7 \times 777 - ((7+7)/7)) + 77) \\
&:= 8 \times 8 \times 88 - 888/8 \\
&:= ((99/9) \times ((9+9)/9)^9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5522 &:= 11 \times (1 + ((1+1)^{11-1-1} - 11)) \\
&:= 22 \times (((22^2 + 22)/2) - 2) \\
&:= 3 + ((3333 - 3/3) + 3 \times 3^{3+3}) \\
&:= (44 / ((4+4)/4)) \times (4^4 - 4/4 - 4) \\
&:= 5555 - (((5+5)/5)^5 + 5/5) \\
&:= 66/6 \times ((6+6) \times (6 \times 6 + 6) - ((6+6)/6)) \\
&:= 7 + ((7 \times 777 - 7/7) + 77) \\
&:= 8 \times 8 \times 88 + ((8 - 888)/8) \\
&:= 99/9 \times (((9+9)/9)^9 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5523 &:= 1 + (11 \times (1 + ((1+1)^{11-1-1} - 11))) \\
&:= 2 + ((22 \times 2^{2 \times (2+2)} - 222/2) \\
&:= 3 + (3 \times 3^{3+3} + 3333) \\
&:= 4 + ((4^4 \times ((4 \times 4 + 4) + 4) - (4/4 + 4)^4) \\
&:= 5555 - ((5+5)/5)^5 \\
&:= (6/6 + 6) \times (((6 \times 6/(6+6))^6 - 6) + 66) \\
&:= 7 + (7 \times 777 + 77) \\
&:= 8 + ((8 \times (8 \times 88 - (8+8))) + (88/8)) \\
&:= ((99/9) \times (((9+9)/9)^9 - 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5524 &:= 1 + (1 + (11 \times (1 + ((1+1)^{11-1-1} - 11)))) \\
&:= 2 + (22 \times (((22^2 + 22)/2) - 2)) \\
&:= 3 + ((3 \times 3^{3+3} + 3333) + 3/3) \\
&:= 4 + (4 \times ((4+4) \times (4 \times 44 - 4) + 4)) \\
&:= 5555 - ((5 \times 5 + 5/5) + 5) \\
&:= ((6 - 6/6) \times ((6666/6) - 6)) - 6/6 \\
&:= 7 + ((7 \times 777 + 77) + 7/7) \\
&:= (8 \times (8 \times 88 - 8)) - (88/((8+8)/8)) \\
&:= ((99/9) \times (((9+9)/9)^9 - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5525 &:= (1 + ((1+1) \times (1+11))) \times ((1+1) \times 111 - 1) \\
&:= ((22 + 2/2) + 2) \times (222 - 2/2) \\
&:= 3^3 + ((3 \times (3+3))^3 - (333 + 3/3)) \\
&:= (4^4 + 4)/4 \times ((4 - 4/4)^4 + 4) \\
&:= 5 \times (55 \times (5 \times 5 - 5) + 5) \\
&:= (6 - 6/6) \times ((6666/6) - 6) \\
&:= 7 + ((7 \times 777 + ((7+7)/7)) + 77) \\
&:= 8 \times 8 \times 88 - ((88/8 + 88) + 8) \\
&:= ((9 - 9/9) + 9) \times ((9+9) \times (9+9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5526 &:= 1 + ((1 + ((1+1) \times (1+11))) \times ((1+1) \times 111 - 1)) \\
&:= 2 + ((22 \times (((22^2 + 22)/2) - 2)) + 2) \\
&:= 3 \times ((3 \times (3 \times (3+3)^3 - 33)) - 3) \\
&:= 4 + ((44/((4+4)/4)) \times (4^4 - 4/4 - 4)) \\
&:= 5^5 + (((5+5)/5 + 5)^{5-5/5}) \\
&:= 6 + ((6+6) \times (((6+6)/6)^6 + 6 \times 66)) \\
&:= (7 \times (777 + 7 + 7)) - 77/7 \\
&:= 8 + ((8/8 + 88) \times (8 \times 8 - ((8+8)/8))) \\
&:= 999 + (9 \times (((9+9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5527 &:= 1 + (1 + ((1 + ((1+1) \times (1+11))) \times ((1+1) \times 111 - 1))) \\
&:= 2 + (((22 + 2/2) + 2) \times (222 - 2/2)) \\
&:= ((3/3 + 3 + 3)^3) + (3 \times (3 \times 3 + 3)^3) \\
&:= (4 \times ((44 \times (4^4 - 4)/(4+4) - 4) - 4)/4) \\
&:= (5+5)/5 + (5 \times (55 \times (5 \times 5 - 5) + 5)) \\
&:= (66 \times ((66 + 6 + 6) + 6)) - (66/6 + 6) \\
&:= 77 + (7 \times 777 + (77/7)) \\
&:= 8 \times 8 \times 88 - (((8/8 + 88) + 8) + 8) \\
&:= 9/9 + ((9 \times (((9+9)/9)^9 - 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5528 &:= (1+1) \times ((1+1)^{1+11} - 1 - 11^{1+1+1}) \\
&:= (222 \times ((22 + 2/2) + 2)) - 22 \\
&:= (((3 \times (3+3)) + 3/3)^3) - (33/3)^3 \\
&:= 4 \times ((44 \times (4^4 - 4)/(4+4) - 4) \\
&:= 5 + (5555 - ((5+5)/5)^5) \\
&:= 6 + ((66/6) \times ((6+6) \times (6 \times 6 + 6) - ((6+6)/6))) \\
&:= 77 + (7 \times 777 + (77 + 7)/7) \\
&:= 8 \times 8 \times 88 - (88 + 8 + 8) \\
&:= 9 \times 9 \times 9 \times 9 - (((9+9)/9)^{9/9+9}) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5529 &:= ((11 - 1) \times (((1111 - 1)/(1+1)) - 1)) - 11 \\
&:= (22/2)^2 + (2 \times (2 \times (22 + 2 + 2))^2) \\
&:= 3333 + (3 \times (3^{3+3} + 3)) \\
&:= 4 + ((4^4 + 4)/4 \times ((4 - 4/4)^4 + 4)) \\
&:= 5555 - (5 \times 5 + 5/5) \\
&:= 6 + ((6/6 + 6) \times (((6 \times 6/(6+6))^6 - 6) + 66)) \\
&:= (7 \times (777 + 7 + 7)) - (7/7 + 7) \\
&:= 8 + (8 \times 8 \times 88 - 888/8) \\
&:= 9 + ((9/9 - 9 \times 9) \times ((99 + 9)/9 - 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5530 &:= (1+1) \times (((1+1)^{1+11}) - 11^{1+1+1}) \\
&:= 2 + ((222 \times ((22 + 2/2) + 2)) - 22) \\
&:= 3333 + (((3 \times 3 + 3/3) + 3)^3) \\
&:= (4/4 + 4) \times ((4444 - 4)/4 - 4) \\
&:= 5555 - 5 \times 5 \\
&:= (6 - 6/6) \times ((6666 + 6)/6 - 6) \\
&:= (7 \times (777 + 7 + 7)) - 7 \\
&:= 8 + (((8 - 888)/8) + 8 \times 8 \times 88) \\
&:= (9 \times 9 - 99/9) \times (9 \times 9 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5531 &:= 1 + ((1+1) \times (((1+1)^{1+11}) - 11^{1+1+1})) \\
&:= 2 + ((2 \times (2 \times (22 + 2 + 2))^2) + (22/2)^2) \\
&:= 3 + (((3 \times (3+3)) + 3/3)^3) - (33/3)^3 \\
&:= ((4/4 + 4) \times (4444/4 - 4) - 4) \\
&:= 5/5 + (5555 - 5 \times 5) \\
&:= 6 + ((6 - 6/6) \times ((6666/6) - 6)) \\
&:= 7/7 + ((7 \times (777 + 7 + 7)) - 7) \\
&:= 8 \times 8 \times 88 - (8888/88) \\
&:= 9 \times (9 \times 9 \times 9 + 9) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5532 &:= (11 \times (1 + (1+1)^{11-1-1})) - 111 \\
&:= 2 \times ((2^{2+2} - 2)^{2/2+2} + 22) \\
&:= 33 + ((3 \times (3+3))^3 - 333) \\
&:= 4444 + (4 \times (4 \times 4 + 4^4)) \\
&:= (5+5)/5 + (5555 - 5 \times 5) \\
&:= (6+6) \times ((6 \times 66 - 6/6) + 66) \\
&:= (7+7)/7 + ((7 \times (777 + 7 + 7)) - 7) \\
&:= 8 \times 8 \times 88 + ((88 - 888)/8) \\
&:= ((99/9) \times (((9+9)/9)^9 - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5533 &:= 11 \times (1 + (1 + ((1+1)^{11-1-1} - 11))) \\
&:= 22/2 \times ((22^2 - (2/2 + 2)) + 22) \\
&:= 33/3 \times (((3 - 3/3)^{3 \times 3}) - 3 \times 3) \\
&:= ((4 - 4/4)^{4+4}) - (4 \times 4^4 + 4) \\
&:= 5555 - (55 + 55)/5 \\
&:= 66/6 \times ((6+6) \times (6 \times 6 + 6) - 6/6) \\
&:= 7 + ((7 \times (777 + 7 + 7)) - (77/7)) \\
&:= 88/8 \times (8 \times 8 \times 8 - (8/8 + 8)) \\
&:= 99/9 \times (((9+9)/9)^9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5534 &:= ((1 + 11111)/(1+1)) - 11 - 11 \\
&:= 2 + (2 \times ((2^{2+2} - 2)^{2/2+2} + 22)) \\
&:= (3 \times (3+3))^3 - (3 \times 3 \times 33 + 3/3) \\
&:= 4 + ((4/4 + 4) \times ((4444 - 4)/4 - 4)) \\
&:= 5 + (5555 - (5 \times 5 + 5/5)) \\
&:= ((6+6)/6) \times (((66 \times (6 \times 6 + 6)) - 6) + 6/6) \\
&:= 7 + ((7 \times 777 + (77/7)) + 77) \\
&:= (8 - 88)/8 + (88 \times (8 \times 8 - 8/8)) \\
&:= 9/9 + ((99/9) \times (((9+9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5535 &:= 1 + (((1 + 11111)/(1+1)) - (11 + 11)) \\
&:= (2 \times 22 + 2/2) \times ((22/2)^2 + 2) \\
&:= 3 \times (3 \times (3 \times (3+3)^3 - 33)) \\
&:= (4/4 + 4) \times (4444/4 - 4) \\
&:= 5 + (5555 - 5 \times 5) \\
&:= (6 - 6/6) \times (((6666 + 6) + 6)/6) - 6 \\
&:= (7 \times (777 + 7 + 7)) - (7 + 7)/7 \\
&:= 8 \times 8 \times 88 - ((8/8 + 88) + 8) \\
&:= (99 \times ((999 + 9)/(9+9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5536 &:= ((1+1)^{1+11}) + ((11 - 1) \times (1+11)^{1+1}) \\
&:= 2^{2+2} \times (((2^{2+2} + 2)^2) + 22) \\
&:= 3/3 + (3 \times (3 \times (3 \times (3+3)^3 - 33))) \\
&:= (4+4) \times ((4 \times (4 \times 44 - 4) + 4) \\
&:= 5 + ((5555 - 5 \times 5) + 5/5) \\
&:= 6 + ((6 - 6/6) \times ((6666 + 6)/6 - 6)) \\
&:= (7 \times (777 + 7 + 7)) - 7/7 \\
&:= 8 \times 8 \times 88 - (88 + 8) \\
&:= 9/9 + ((99 \times ((999 + 9)/(9+9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5537 &:= ((1+1)^{1+11}) + (11 \times ((11 \times (1+11)) - 1)) \\
&:= 2 + ((2 \times 22 + 2/2) \times ((22/2)^2 + 2)) \\
&:= ((3^3 - 3/3) \times ((3+3)^3 - 3)) - 3/3 \\
&:= ((4 - 4/4)^{4+4}) - 4 \times 4^4 \\
&:= 5 + ((5555 - 5 \times 5) + ((5+5)/5)) \\
&:= (6/6 + 6) \times (66 \times (6+6) - 6/6) \\
&:= 7 \times (777 + 7 + 7) \\
&:= 8/8 + (8 \times 8 \times 88 - (88 + 8)) \\
&:= 9 \times 9 \times 9 \times 9 - ((9+9)/9)^{9/9+9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5538 &:= ((11111 - 11)/(1 + 1)) - 1 - 11 \\
&:= 2 + (2^{2+2} \times ((2^{2+2} + 2)^2) + 22) \\
&:= (3^3 - 3/3) \times ((3 + 3)^3 - 3) \\
&:= 4/4 + (((4 - 4/4)^{4+4}) - 4 \times 4^4) \\
&:= 5555 - ((55 + 5)/5) + 5 \\
&:= (66 \times ((66 + 6 + 6) + 6)) - 6 \\
&:= 7/7 + (7 \times (777 + 7 + 7)) \\
&:= (8 + 8)/8 + (8 \times 8 \times 88 - (88 + 8)) \\
&:= (9 \times 9 - (9/9 + 9)) \times (9 \times 9 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5539 &:= ((11111 - 11)/(1 + 1)) - 11 \\
&:= (222 \times ((22 + 2/2) + 2)) - 22/2 \\
&:= 3/3 + ((3^3 - 3/3) \times ((3 + 3)^3 - 3)) \\
&:= 4 + ((4/4 + 4) \times (4444/4 - 4)) \\
&:= 5555 - (55/5 + 5) \\
&:= 6/6 + ((66 \times ((66 + 6 + 6) + 6)) - 6) \\
&:= (7 + 7)/7 + (7 \times (777 + 7 + 7)) \\
&:= 8 + (8 \times 8 \times 88 - (8888/88)) \\
&:= 9 + ((9 \times 9 - 99/9) \times (9 \times 9 - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5540 &:= (11 - 1) \times (((1111 - 1)/(1 + 1)) - 1) \\
&:= 2 \times ((22 \times ((2 \times 2^{2+2+2}) - 2)) - 2) \\
&:= (3 + 3)^3 + ((3/3 + 3) \times (33/3)^3) \\
&:= 4 + ((4 + 4) \times ((4 \times (4 \times 44 - 4)) + 4)) \\
&:= (5 + 5) \times (555 - 5/5) \\
&:= (6 + 6)/6 + ((66 \times ((66 + 6 + 6) + 6)) - 6) \\
&:= 7 \times 777 + (7777/7) \\
&:= 8 \times 8 \times 88 - (8 \times 8/(8 + 8) + 88) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 9) - 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5541 &:= 1 + ((11 - 1) \times (((1111 - 1)/(1 + 1)) - 1)) \\
&:= (2/2 + 2) \times (((2 \times 22) - 2/2)^2) - 2 \\
&:= 3 + ((3^3 - 3/3) \times ((3 + 3)^3 - 3)) \\
&:= 4 + (((4 - 4/4)^{4+4}) - 4 \times 4^4) \\
&:= 5/5 + ((5 + 5) \times (555 - 5/5)) \\
&:= (66 \times ((66 + 6 + 6) + 6)) - 6 \times 6/(6 + 6) \\
&:= 77/7 + ((7 \times (777 + 7 + 7)) - 7) \\
&:= 8 + (88/8 \times (8 \times 8 \times 8 - (8/8 + 8))) \\
&:= 9 + (((99/9) \times (((9 + 9)/9)^9) - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5542 &:= ((11111 - 1)/(1 + 1)) - 1 - 1 - 11 \\
&:= (22 \times (2^{2 \times (2+2)} - (2 + 2))) - 2 \\
&:= (3 - 3/3) \times ((33/3 + 3)^3 + 3^3) \\
&:= (44 \times (4^4 - 4) - 4)/(4 + 4)/4 \\
&:= 5555 - (55 + 5 + 5)/5 \\
&:= ((6 + 6)/6) \times ((66 \times (6 \times 6 + 6)) - 6/6) \\
&:= 7 + ((7 \times (777 + 7 + 7)) - ((7 + 7)/7)) \\
&:= 8 \times 8 \times 88 - ((8 + 8)/8 + 88) \\
&:= 9 + ((99/9) \times (((9 + 9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5543 &:= ((11111 - 1)/(1 + 1)) - 1 - 11 \\
&:= (22 + 2/2) \times (22^2 - 2)/2 \\
&:= (33 \times (((3 + 3) \times 3^3 + 3) + 3)) - 3/3 \\
&:= (4 \times (44 \times (4^4 - 4)/(4 + 4))) - 4/4 \\
&:= 5555 - (55 + 5)/5 \\
&:= (66 \times ((66 + 6 + 6) + 6)) - 6/6 \\
&:= 7 + ((7 \times (777 + 7 + 7)) - 7/7) \\
&:= 8 \times 8 \times 88 - (8/8 + 88) \\
&:= (99 \times ((999 + 9)/(9 + 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5544 &:= ((11111 - 1)/(1 + 1)) - 11 \\
&:= 22 \times (2^{2 \times (2+2)} - (2 + 2)) \\
&:= 33 \times (((3 + 3) \times 3^3 + 3) + 3) \\
&:= 4 \times (44 \times (4^4 - 4)/(4 + 4)) \\
&:= 5555 - 55/5 \\
&:= 66 \times ((66 + 6 + 6) + 6) \\
&:= 7 + (7 \times (777 + 7 + 7)) \\
&:= 88 \times (8 \times 8 - 8/8) \\
&:= 99 \times ((999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5545 &:= ((1 + 11111)/(1 + 1)) - 11 \\
&:= 2 + ((22 + 2/2) \times (22^2 - 2)/2) \\
&:= 3/3 + (33 \times (((3 + 3) \times 3^3 + 3) + 3)) \\
&:= 4 + (((4 - 4/4)^{4+4}) - 4 \times 4^4) + 4 \\
&:= 5555 - 5 - 5 \\
&:= 6/6 + (66 \times ((66 + 6 + 6) + 6)) \\
&:= 7 + ((7 \times (777 + 7 + 7)) + 7/7) \\
&:= 8/8 + (88 \times (8 \times 8 - 8/8)) \\
&:= 9/9 + (99 \times ((999 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5546 &:= 1 + (((1 + 11111)/(1 + 1)) - 11) \\
&:= 2 + (22 \times (2^{2 \times (2+2)} - (2 + 2))) \\
&:= 3 + ((33 \times (((3 + 3) \times 3^3 + 3) + 3)) - 3/3) \\
&:= (44 \times (4^4 - 4) + 4)/(4 + 4)/4 \\
&:= 5/5 + (5555 - (5 + 5)) \\
&:= (6 + 6)/6 + (66 \times ((66 + 6 + 6) + 6)) \\
&:= 7 + ((7 \times (777 + 7 + 7)) + ((7 + 7)/7)) \\
&:= (8 + 8)/8 + (88 \times (8 \times 8 - 8/8)) \\
&:= 9 + (9 \times 9 \times 9 \times 9 - (((9 + 9)/9)^{9+9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5547 &:= 1 + (1 + (((1 + 11111)/(1 + 1)) - 11)) \\
&:= (2/2 + 2) \times (((2 \times 22) - 2/2)^2) \\
&:= 3 + (33 \times (((3 + 3) \times 3^3 + 3) + 3)) \\
&:= (4 - 4/4) \times ((44 - 4/4)^{(4+4)/4}) \\
&:= (5 + 5)/5 + (5555 - (5 + 5)) \\
&:= (6 \times 6/(6 + 6)) + (66 \times ((66 + 6 + 6) + 6)) \\
&:= ((77 - 7)/7) + (7 \times (777 + 7 + 7)) \\
&:= 88/8 + (8 \times 8 \times 88 - (88 + 8)) \\
&:= 9 + ((9 \times 9 - (9/9 + 9)) \times (9 \times 9 - ((9 + 9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5548 &:= ((11111 - 11)/(1 + 1)) - 1 - 1 \\
&:= (222 \times ((22 + 2/2) + 2)) - 2 \\
&:= 3 + ((33 \times (((3 + 3) \times 3^3 + 3) + 3)) + 3/3) \\
&:= 4 + (4 \times (44 \times (4^4 - 4)/(4 + 4))) \\
&:= 5555 - ((5 + 5)/5 + 5) \\
&:= 6 + (((6 + 6)/6) \times ((66 \times (6 \times 6 + 6)) - 6/6)) \\
&:= 77/7 + (7 \times (777 + 7 + 7)) \\
&:= 8 \times 8/(8 + 8) + (88 \times (8 \times 8 - 8/8)) \\
&:= 9 + (((9 \times 9 - 99/9) \times (9 \times 9 - ((9 + 9)/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5549 &:= ((11111 - 11)/(1 + 1)) - 1 \\
&:= 2 + ((2/2 + 2) \times (((2 \times 22) - 2/2)^2)) \\
&:= 33/3 + ((3^3 - 3/3) \times ((3 + 3)^3 - 3)) \\
&:= (4 \times (4 - 4^4)) + (((4 - 4/4)^{4+4}) - 4) \\
&:= 5555 - (5/5 + 5) \\
&:= (6 - 6/6) \times 6666/6 - 6 \\
&:= 7 \times 777 + (777 - 7)/7 \\
&:= (8 \times (8 \times 88 - 8)) - (88/8 + 8) \\
&:= 99 + (9 \times 9 \times 9 \times 9 - 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5550 &:= (11111 - 11)/(1 + 1) \\
&:= 222 \times ((22 + 2/2) + 2) \\
&:= 3 + ((33 \times (((3 + 3) \times 3^3 + 3) + 3)) + 3) \\
&:= (4/4 + 4) \times (4444 - 4)/4 \\
&:= (5 + 5) \times 555 \\
&:= 6 + (66 \times ((66 + 6 + 6) + 6)) \\
&:= 777/7 + 7 \times 777 \\
&:= 8 + (8 \times 8 \times 88 - ((8 + 8)/8 + 88)) \\
&:= (9/9 + 9) \times (9999 - 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5551 &:= 1 + ((11111 - 11)/(1 + 1)) \\
&:= 2/2 + (222 \times ((22 + 2/2) + 2)) \\
&:= (3/3 + 3 + 3) \times ((33 \times (3^3 - 3)) + 3/3) \\
&:= ((4/4 + 4) \times 4444/4) - 4 \\
&:= 5/5 + ((5 + 5) \times 555) \\
&:= (6/6 + 6) \times (66 \times (6 + 6) + 6/6) \\
&:= 7 + ((7 \times (777 + 7 + 7)) + 7) \\
&:= 8 + (8 \times 8 \times 88 - (8/8 + 88)) \\
&:= ((99/9) \times ((9 + 9)/9)^9) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5552 &:= 1 + (1 + (((11111 - 11)/(1 + 1)))) \\
&:= 2 + (222 \times ((22 + 2/2) + 2)) \\
&:= ((3 - 3/3 + 3) \times 3333/3) - 3 \\
&:= 4 \times ((4 \times (4 + 4) \times 44 - 4) - 4) \\
&:= (5 + 5)/5 + ((5 + 5) \times 555) \\
&:= 6 + ((66 \times ((66 + 6 + 6) + 6)) + ((6 + 6)/6)) \\
&:= 7 + (((7 \times (777 + 7 + 7)) + 7/7) + 7) \\
&:= 8 + (88 \times (8 \times 8 - 8/8)) \\
&:= 9 \times 9 \times 9 \times 9 - ((999 + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5553 &:= ((11111 - 1)/(1 + 1)) - 1 - 1 \\
&:= (2/2 + 2) \times (((2 \times 22) - 2/2)^2) + 2 \\
&:= 3 \times (3 \times 3^{3+3} - 333 - 3) \\
&:= (4 \times (4 - 4^4)) + ((4 - 4/4)^{4+4}) \\
&:= 5555 - (5 + 5)/5 \\
&:= 6666 - (((6666 + 6) + 6)/6) \\
&:= 7 \times 777 + (((7 + 7)/7)^7 - (7 + 7)) \\
&:= 8 + ((88 \times (8 \times 8 - 8/8)) + 8/8) \\
&:= 9 \times 9 \times 9 \times 9 - (999 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5554 &:= ((11111 - 1)/(1 + 1)) - 1 \\
&:= 2 + ((222 \times ((22 + 2/2) + 2)) + 2) \\
&:= (3 - 3/3) \times ((33/3 + 3)^3 + 33) \\
&:= 4 + ((4/4 + 4) \times (4444 - 4)/4) \\
&:= 5555 - 5/5 \\
&:= 6666 - (6666 + 6)/6 \\
&:= 77 + ((7 \times (777 + 7)) - (77/7)) \\
&:= 8 + ((88 \times (8 \times 8 - 8/8)) + ((8 + 8)/8)) \\
&:= 9/9 + (9 \times 9 \times 9 \times 9 - (999 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5555 &:= (11111 - 1)/(1 + 1) \\
&:= (2/2 + 2 + 2) \times (2222/2) \\
&:= (3 - 3/3 + 3) \times 3333/3 \\
&:= (4/4 + 4) \times 4444/4 \\
&:= 5555 \\
&:= (6 - 6/6) \times (6666/6) \\
&:= (7 - ((7 + 7)/7)) \times 7777/7 \\
&:= 88/8 + (88 \times (8 \times 8 - 8/8)) \\
&:= ((9 \times 9 + 9)/(9 + 9)) \times 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5556 &:= (1 + 11111)/(1 + 1) \\
&:= (2 + 2 + 2) \times ((2 \times (22^2 - 22)) + 2) \\
&:= (3^3 \times ((3 + 3)^3 - 3 \times 3)) - 33 \\
&:= 4 + (4 \times ((4 \times (4 + 4) \times 44 - 4) - 4)) \\
&:= 5/5 + 5555 \\
&:= 6 + ((66 \times ((66 + 6 + 6) + 6)) + 6) \\
&:= 7 + ((777 - 7)/7 + 7 \times 777) \\
&:= (8 \times (8 \times 88 - 8)) - (88 + 8)/8 \\
&:= 9/9 + (((9 \times 9 + 9)/(9 + 9)) \times 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5557 &:= 1 + ((1 + 11111)/(1 + 1)) \\
&:= 2 + ((2/2 + 2 + 2) \times (2222/2)) \\
&:= 3 + ((3 - 3/3) \times ((33/3 + 3)^3 + 33)) \\
&:= 4 + (((4 - 4/4)^{4+4}) + (4 \times (4 - 4^4))) \\
&:= (5 + 5)/5 + 5555 \\
&:= 6 + (((66 \times ((66 + 6 + 6) + 6)) + 6) + 6) \\
&:= 7 + (777/7 + 7 \times 777) \\
&:= (8 \times (8 \times 88 - 8)) - 88/8 \\
&:= 9 \times 9 + (((((9 + 9)/9) - 9) + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5558 &:= 1 + (1 + ((1 + 11111)/(1 + 1))) \\
&:= ((22 - 2) \times (2^{2 \times (2+2)} + 22)) - 2 \\
&:= 3 + ((3 - 3/3 + 3) \times 3333/3) \\
&:= 4 + (((4/4 + 4) \times (4444 - 4)/4) + 4) \\
&:= 5 + (5555 - ((5 + 5)/5)) \\
&:= (6/6 + 6) \times (66 \times (6 + 6) + ((6 + 6)/6)) \\
&:= 77 + ((7 \times (777 + 7)) - 7) \\
&:= (8 - 88)/8 + (8 \times (8 \times 88 - 8)) \\
&:= 9 \times (9 \times 9 \times 9 - 99) - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5559 &:= 1 + (1 + (1 + ((1 + 11111)/(1 + 1)))) \\
&:= 2 + (((2/2 + 2 + 2) \times (2222/2)) + 2) \\
&:= (3 \times (3 \times 3^{3+3} - 333)) - 3 \\
&:= 4 + ((4/4 + 4) \times 4444/4) \\
&:= 5 + (5555 - 5/5) \\
&:= (66/6 + 6) \times (666/6 + 6 \times 6 \times 6) \\
&:= 7/7 + (((7 \times (777 + 7)) - 7) + 77) \\
&:= (8 \times (8 \times 88 - 8)) - (8/8 + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 99) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5560 &:= (11 - 1) \times ((1 + 1111)/(1 + 1)) \\
&:= (22 - 2) \times (2^{2 \times (2+2)} + 22) \\
&:= (3 - 3/3 + 3) \times ((3333 + 3)/3) \\
&:= 4 \times ((44 \times (4^4 - 4)/(4 + 4)) + 4) \\
&:= 5 + 5555 \\
&:= (6 - 6/6) \times (6666 + 6)/6 \\
&:= 7 \times 777 + (((7 + 7)/7)^7 - 7) \\
&:= (8 \times (8 \times 88 - 8)) - 8 \\
&:= 9 + (((99/9) \times ((9 + 9)/9)^9) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5561 &:= (11 + 11111)/(1 + 1) \\
&:= 2/2 + ((22 - 2) \times (2^{2 \times (2+2)} + 22)) \\
&:= 3 \times (3 + 3)^3 + (33/3 + 3 + 3)^3 \\
&:= 4 + (((4 - 4/4)^{4+4}) + (4 \times (4 - 4^4))) + 4 \\
&:= 5 + (5555 + 5/5) \\
&:= 6 + (6 - 6/6) \times 6666/6 \\
&:= 7 \times 777 + (777 + 77)/7 \\
&:= 8/8 + ((8 \times (8 \times 88 - 8)) - 8) \\
&:= 9 \times 9 \times 9 \times 9 - (999 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5562 &:= 1 + ((11 + 11111)/(1 + 1)) \\
&:= 2 + ((22 - 2) \times (2^{2 \times (2+2)} + 22)) \\
&:= 3 \times (3 \times 3^{3+3} - 333) \\
&:= 4 \times 4 + ((44 \times (4^4 - 4) + 4)/((4 + 4)/4)) \\
&:= 5 + (5555 + ((5 + 5)/5)) \\
&:= 6 + (((66 \times ((66 + 6 + 6) + 6)) + 6) + 6) \\
&:= 7 + ((7 - ((7 + 7)/7)) \times 7777/7) \\
&:= (8 + 8)/8 + ((8 \times (8 \times 88 - 8)) - 8) \\
&:= 9 \times 9 \times 9 \times 9 - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5563 &:= 1 + (1 + ((11 + 11111)/(1 + 1))) \\
&:= (22 \times ((22^2 + 22)/2)) - 2/2 - 2 \\
&:= 3/3 + (3 \times (3 \times 3^{3+3} - 333)) \\
&:= 4 + (((4/4 + 4) \times 4444/4) + 4) \\
&:= 5 + ((5555 - ((5 + 5)/5)) + 5) \\
&:= 6 + (((6/6 + 6) \times (66 \times (6 + 6) + 6/6)) + 6) \\
&:= 77 + ((7 \times (777 + 7)) - ((7 + 7)/7)) \\
&:= 8 + ((88 \times (8 \times 8 - 8/8)) + (88/8)) \\
&:= 9/9 + (9 \times 9 \times 9 \times 9 - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5564 &:= 1 + (1 + (1 + ((11 + 11111)/(1 + 1)))) \\
&:= (22 \times ((22^2 + 22)/2)) - 2 \\
&:= (3^3 - 3/3) \times (((3 + 3)^3 - 3) + 3/3) \\
&:= 444 + 4^4 \times (4 \times 4 + 4) \\
&:= 5 + ((5555 - 5/5) + 5) \\
&:= 6 + ((6/6 + 6) \times (66 \times (6 + 6) + ((6 + 6)/6))) \\
&:= 77 + ((7 \times (777 + 7)) - 7/7) \\
&:= (8 \times (8 \times 88 - 8)) - 8 \times 8/(8 + 8) \\
&:= (9 + 9)/9 + (9 \times 9 \times 9 \times 9 - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5565 &:= 11 + (((11111 - 1)/(1 + 1)) - 1) \\
&:= (2/2 + 2 + 2) \times ((2222/2) + 2) \\
&:= 3 + (3 \times (3 \times 3^{3+3} - 333)) \\
&:= 4/4 + (4^4 \times (4 \times 4 + 4) + 444) \\
&:= 5 + (5555 + 5) \\
&:= (6 - 6/6) \times (((6666 + 6) + 6)/6) \\
&:= 77 + (7 \times (777 + 7)) \\
&:= 8 + ((8 \times (8 \times 88 - 8)) - (88/8)) \\
&:= 9 \times 9 \times 9 \times 9 + (((9 + 9 + 9)/9) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5566 &:= 11 + ((11111 - 1)/(1 + 1)) \\
&:= 22 \times ((22^2 + 22)/2) \\
&:= 33/3 \times (((3 - 3/3)^{3 \times 3}) - (3 + 3)) \\
&:= (44/((4 + 4)/4)) \times ((4/4 - 4) + 4^4) \\
&:= 55/5 + 5555 \\
&:= 6 + ((6 - 6/6) \times (6666 + 6)/6) \\
&:= 7/7 + ((7 \times (777 + 7)) + 77) \\
&:= (8 \times (8 \times 88 - 8)) - (8 + 8)/8 \\
&:= 9 + ((((((9 + 9)/9) - 9) + 9 \times 9)^{(9+9)/9}) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5567 &:= 11 + ((1 + 11111)/(1 + 1)) \\
&:= 2/2 + (22 \times ((22^2 + 22)/2)) \\
&:= 3 + ((3^3 - 3/3) \times (((3 + 3)^3 - 3) + 3/3)) \\
&:= (4 \times (4 \times (4 + 4) \times 44 - 4)) - 4/4 \\
&:= 5555 + (55 + 5)/5 \\
&:= 6 + ((6 - 6/6) \times 6666/6 + 6) \\
&:= 7 \times 777 + ((7 + 7)/7)^7 \\
&:= (8 \times (8 \times 88 - 8)) - 8/8 \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 99) - ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5568 &:= 1 + (11 + ((1 + 11111)/(1 + 1))) \\
&:= 2 + (22 \times ((22^2 + 22)/2)) \\
&:= (3^3 - 3) \times ((3^{3+3} - 33)/3) \\
&:= 4 \times (4 \times (4 + 4) \times 44 - 4) \\
&:= 5555 + (55 + 5 + 5)/5 \\
&:= 6 \times ((6 \times (6 + 6) \times (6 + 6)) + ((6 + 6)/6)^6) \\
&:= 7/7 + (7 \times 777 + ((7 + 7)/7)^7) \\
&:= 8 \times (8 \times 88 - 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 99) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5569 &:= 1 + (1 + (11 + ((1 + 11111)/(1 + 1)))) \\
&:= 2 + ((22 \times ((22^2 + 22)/2)) + 2/2) \\
&:= 3 + (33/3 \times (((3 - 3/3)^{3 \times 3}) - (3 + 3))) \\
&:= 4/4 + (4 \times (4 \times (4 + 4) \times 44 - 4)) \\
&:= 5 + (((5555 - 5/5) + 5) + 5) \\
&:= (6 \times ((6 \times (6 + 6) \times (6 + 6)) + 66)) - 66/6 \\
&:= 7 + (((7 - ((7 + 7)/7)) \times 7777/7) + 7) \\
&:= 8/8 + (8 \times (8 \times 88 - 8)) \\
&:= 9 + (((99/9) \times ((9 + 9)/9)^9) - 9 \times 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5570 &:= (11 - 1) \times (1 + ((1 + 1111)/(1 + 1))) \\
&:= 2 + ((22 \times ((22^2 + 22)/2)) + 2) \\
&:= (3 - 3/3 + 3) \times (3333/3 + 3) \\
&:= (4 + 4)/4 + (4 \times (4 \times (4 + 4) \times 44 - 4)) \\
&:= 5 + (5555 + 5) + 5 \\
&:= (6 - 6/6) \times (((6666 + 6) + 6) + 6)/6 \\
&:= 7 + (((7 \times (777 + 7)) - ((7 + 7)/7)) + 77) \\
&:= (8 + 8)/8 + (8 \times (8 \times 88 - 8)) \\
&:= 9 + (9 \times 9 \times 9 \times 9 - (999 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5571 &:= 1 + ((11 - 1) \times (1 + ((1 + 1111)/(1 + 1)))) \\
&:= (22^2 + 2)/2 + (222 \times (22 + 2)) \\
&:= 3 \times ((3 \times 3^{3+3} - 333) + 3) \\
&:= 4 + ((4 \times (4 \times (4 + 4) \times 44 - 4)) - 4/4) \\
&:= 5 + (5555 + (55/5)) \\
&:= 6 + ((6 - 6/6) \times (((6666 + 6) + 6) + 6)/6) \\
&:= 7 + (((7 \times (777 + 7)) - 7/7) + 77) \\
&:= 88/8 + ((8 \times (8 \times 88 - 8)) - 8) \\
&:= 9 + (9 \times 9 \times 9 \times 9 - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5572 &:= 11 + ((11 + 11111)/(1 + 1)) \\
&:= (2^{2+2} - 2) \times ((22 - 2)^2 - 2) \\
&:= (3^3 + 3/3) \times (33 \times (3 + 3) + 3/3) \\
&:= 4 + (4 \times (4 \times (4 + 4) \times 44 - 4)) \\
&:= 5 + (5555 + ((55 + 5)/5)) \\
&:= 6 + (((6 - 6/6) \times (6666 + 6)/6) + 6) \\
&:= 7 + ((7 \times (777 + 7)) + 77) \\
&:= 8 \times 8/(8 + 8) + (8 \times (8 \times 88 - 8)) \\
&:= 9 + ((9 \times 9 \times 9 \times 9 - 999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5573 &:= 1 + (11 + ((11 + 11111)/(1 + 1))) \\
&:= 2/2 + ((2^{2+2} - 2) \times ((22 - 2)^2 - 2)) \\
&:= 3 + ((3 - 3/3 + 3) \times (3333/3 + 3)) \\
&:= 4 + ((4 \times (4 \times (4 + 4) \times 44 - 4)) + 4/4) \\
&:= 5 + ((55 + 5 + 5)/5 + 5555) \\
&:= 6 + (((6 - 6/6) \times 6666/6 + 6) + 6) \\
&:= 7 + (((7 \times (777 + 7)) + 77) + 7/7) \\
&:= 8 + (((8 \times (8 \times 88 - 8)) - (88/8)) + 8) \\
&:= 99/9 + (9 \times 9 \times 9 \times 9 - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5574 &:= (1 + 1 + 1) \times ((11 \times (1 + 1 + 11)^{1+1}) - 1) \\
&:= 2 + ((2^{2+2} - 2) \times ((22 - 2)^2 - 2)) \\
&:= 3 + (3 \times ((3 \times 3^{3+3} - 333) + 3)) \\
&:= 4 + ((4 \times (4 \times (4 + 4) \times 44 - 4)) + (4 + 4)/4) \\
&:= 5 \times 5 + (5555 - (5/5 + 5)) \\
&:= (6 \times ((6 \times (6 + 6) \times (6 + 6)) + 66)) - 6 \\
&:= 7 + (7 \times 777 + ((7 + 7)/7)^7) \\
&:= 8 + ((8 \times (8 \times 88 - 8)) - ((8 + 8)/8)) \\
&:= 9 \times 9 \times 9 \times 9 + ((99 + 9)/9 - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5575 &:= (1 + ((1 + 1) \times (1 + 11))) \times (1 + (1 + 1) \times 111) \\
&:= ((22 + 2/2) + 2) \times (222 + 2/2) \\
&:= 3 + ((3^3 + 3/3) \times (33 \times (3 + 3) + 3/3)) \\
&:= (4/4 + 4) \times (4444/4 + 4) \\
&:= 5 \times 5 + ((5 + 5) \times 555) \\
&:= 6/6 + ((6 \times ((6 \times (6 + 6) \times (6 + 6)) + 66)) - 6) \\
&:= 77 \times 77 - (7 \times 7 \times 7 + (77/7)) \\
&:= 8 + ((8 \times (8 \times 88 - 8)) - 8/8) \\
&:= 99 + (((9 + 9)/9) - 9) + 9 \times 9^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5576 &:= (11 \times ((1 + 1 + 1) \times (1 + 1 + 11)^{1+1})) - 1 \\
&:= 2 \times (((2 \times (22 + 2))^2) + 22^2) \\
&:= (3 \times (3 + 3))^3 - ((3/3 + 3)^{3/3+3}) \\
&:= 4 + ((4 \times (4 \times (4 + 4) \times 44 - 4)) + 4) \\
&:= 5 + (5555 + (55/5)) + 5 \\
&:= 6 + ((6 - 6/6) \times (((6666 + 6) + 6) + 6)/6) \\
&:= 77 + ((7 \times (777 + 7)) + (77/7)) \\
&:= 8 + (8 \times (8 \times 88 - 8)) \\
&:= (9/9 + 9 \times 9) \times (9 \times 9 - ((99 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5577 &:= 11 \times ((1 + 1 + 1) \times (1 + 1 + 11)^{1+1}) \\
&:= 22/2 \times ((22^2 + 2/2) + 22) \\
&:= 33 + (33 \times (((3 + 3) \times 3^3 + 3) + 3)) \\
&:= 44/4 \times ((4^4 - 4/4 - 4) + 4^4) \\
&:= 5555 + (55 + 55)/5 \\
&:= 66/6 \times (666/6 + 6 \times 66) \\
&:= 77 + ((7 \times (777 + 7)) + (77 + 7)/7) \\
&:= 8 + ((8 \times (8 \times 88 - 8)) + 8/8) \\
&:= 9 \times (9 \times 9 \times 9 - 99 - 9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5578 &:= 1 + (11 \times ((1 + 1 + 1) \times (1 + 1 + 11)^{1+1})) \\
&:= 2 + (2 \times (((2 \times (22 + 2))^2) + 22^2)) \\
&:= (3 \times (3 + 3))^3 - ((3^{3+3} + 33)/3) \\
&:= (44 - 4)/4 + (4 \times (4 \times (4 + 4) \times 44 - 4)) \\
&:= 5 \times 5 + (5555 - ((5 + 5)/5)) \\
&:= (6 \times ((6 \times (6 + 6) \times (6 + 6)) + 66)) - (6 + 6)/6 \\
&:= 777 + (7 \times 7 \times 7 \times (7 + 7) - 7/7) \\
&:= 8 + ((8 \times (8 \times 88 - 8)) + ((8 + 8)/8)) \\
&:= 9 \times (9 \times 9 \times 9 - 99 - 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5579 &:= 1 + (1 + (11 \times ((1 + 1 + 1) \times (1 + 1 + 11)^{1+1}))) \\
&:= 2 + (22/2 \times ((22^2 + 2/2) + 22)) \\
&:= 3 + ((3 \times (3 + 3))^3 - ((3/3 + 3)^{3/3+3})) \\
&:= 4 + ((4/4 + 4) \times (4444/4 + 4)) \\
&:= 5 \times 5 + (5555 - 5/5) \\
&:= (6/6 + 6) \times ((66 \times (6 + 6) - 6/6) + 6) \\
&:= 777 + 7 \times 7 \times 7 \times (7 + 7) \\
&:= 88/8 + (8 \times (8 \times 88 - 8)) \\
&:= 9 \times (9 \times 9 \times 9 - 99 - 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5580 &:= (11 - 1) \times (1 + (1 + ((1 + 1111)/(1 + 1)))) \\
&:= 2 \times (((2 \times (22 + 2))^2) + 22^2) + 2 \\
&:= 3 \times ((3 \times (3 \times ((3 + 3)^3 - 3 \times 3))) - 3) \\
&:= 4^4 + (4 \times ((44/4)^{4-4/4})) \\
&:= 5 \times 5 + 5555 \\
&:= 6 \times ((6 \times (6 + 6) \times (6 + 6)) + 66) \\
&:= 7/7 + (7 \times 7 \times 7 \times (7 + 7) + 777) \\
&:= ((88 + 8)/8) + (8 \times (8 \times 88 - 8)) \\
&:= 9 \times (((9 + 9)/9)^9 + 99) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5581 &:= 1 + ((11 - 1) \times (1 + (1 + ((1 + 1111)/(1 + 1)))))) \\
&:= 2^{2 \times (2+2)} + (((22^{2/2+2}) + 2)/2) \\
&:= 3 + ((3 \times (3 + 3))^3 - ((3^{3+3} + 33)/3)) \\
&:= 44 + (((4 - 4/4)^{4+4}) - 4 \times 4^4) \\
&:= 5 \times 5 + (5555 + 5/5) \\
&:= 6/6 + (6 \times ((6 \times (6 + 6) \times (6 + 6)) + 66)) \\
&:= 7 + ((7 \times 777 + ((7 + 7)/7)^7) + 7) \\
&:= (8 \times (8 \times 88 - 8)) + (88 + 8 + 8)/8 \\
&:= 9/9 + (9 \times (((9 + 9)/9)^9 + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5582 &:= ((11 \times (1 + (1 + 1)^{1+1})) - 111)/(1 + 1) \\
&:= (22 \times (2^{2 \times (2+2)} - 2)) - 2 - 2 - 2 \\
&:= 3^3 + ((3 - 3/3 + 3) \times 3333/3) \\
&:= 4^4 + (((4 + 4) + 4) \times 444) - (4 + 4)/4 \\
&:= 5 \times 5 + (5555 + ((5 + 5)/5)) \\
&:= (6 + 6)/6 + (6 \times ((6 \times (6 + 6) \times (6 + 6)) + 66)) \\
&:= 7 + (77 \times 77 - (7 \times 7 \times 7 + (77/7))) \\
&:= 8 + (((8 \times (8 \times 88 - 8)) - ((8 + 8)/8)) + 8) \\
&:= 9 + (9 \times 9 \times 9 \times 9 - 999 + 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5583 &:= 11 + (11 + ((11 + 11111)/(1 + 1))) \\
&:= (22 \times (2^{2 \times (2+2)} - 2)) - 2/2 - 2 - 2 \\
&:= (3 \times (3 + 3))^3 - ((3 + 3)^3 + 33) \\
&:= 4^4 + (((4 + 4) + 4) \times 444) - 4/4 \\
&:= 5 + ((5555 - ((5 + 5)/5)) + 5 \times 5) \\
&:= 6 + ((66/6) \times (666/6 + 6 \times 66)) \\
&:= 7777 - (((7 + 7 + 7)/7)^7 + 7) \\
&:= 8 + (((8 \times (8 \times 88 - 8)) - 8/8) + 8) \\
&:= 9 + (((99 + 9)/9 - 999) + 9 \times 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5588 &:= (1 + 1) \times (11 \times (1 + (11 \times (1 + (11 + 11)))))) \\
&:= 22 \times (2^{2 \times (2+2)} - 2) \\
&:= (3 \times (3 + 3))^3 - ((3^{3+3} + 3)/3) \\
&:= 44 \times (444/4 + 4 \times 4) \\
&:= 5/5 + (5555 + ((5 + 5)/5)^5) \\
&:= (6 + 6)/6 + ((6/6 + 6) \times (66 \times (6 + 6) + 6)) \\
&:= (7 + 7)/7 + (7 \times (777 + 7 + 7 + 7)) \\
&:= 8 \times 8 \times 88 - (88/((8 + 8)/8)) \\
&:= 9 \times (9 \times 9 \times 9 - 99 - 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5593 &:= 1 + ((1 + 1) \times ((1 + 11) \times (11 + (1 + 1) \times 111))) \\
&:= (2/2 + 2)^{2 \times (2+2)} - 2 \times 22^2 \\
&:= 3 + ((3^3 \times ((3 + 3)^3 - 3 \times 3)) + 3/3) \\
&:= 4 + ((4/4 + 4 + 4) \times ((4/4 + 4)^4 - 4)) \\
&:= ((5 + 5) \times (555 + 5)) - ((5 + 5)/5 + 5) \\
&:= (6/6 + 6) \times ((66 \times (6 + 6) + 6/6) + 6) \\
&:= 7 + (7 \times (777 + 7 + 7 + 7)) \\
&:= 8 + (((8 \times (8 \times 88 - 8)) + 8/8) + 8) + 8 \\
&:= (9 - (9 + 9)/9) \times (9 \times (9 \times 9 + 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5584 &:= 1 + (11 + (11 + ((11 + 11111)/(1 + 1)))) \\
&:= (22 \times (2^{2 \times (2+2)} - 2)) - 2 - 2 \\
&:= 3/3 + ((3 \times (3 + 3))^3 - ((3 + 3)^3 + 33)) \\
&:= 4 \times ((4 \times (4 + 4) \times 44 - 4) + 4) \\
&:= 5 + ((5555 - 5/5) + 5 \times 5) \\
&:= ((6/6 + 6) \times (66 \times (6 + 6) + 6)) - (6 + 6)/6 \\
&:= 77 \times 77 - (7 \times 7 \times 7 + ((7 + 7)/7)) \\
&:= 8 + ((8 \times (8 \times 88 - 8)) + 8) \\
&:= 9 + (((((9 + 9)/9) - 9) + 9 \times 9)^{(9+9)/9}) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5589 &:= (1 + (11 + 11)) \times (1 + ((1 + 1) \times 11^{1+1})) \\
&:= 2/2 + (22 \times (2^{2 \times (2+2)} - 2)) \\
&:= 3^3 \times ((3 + 3)^3 - 3 \times 3) \\
&:= (4/4 + 4 + 4) \times ((4/4 + 4)^4 - 4) \\
&:= (5 - 5/5 + 5) \times ((5^5 + 5)/5 - 5) \\
&:= (6^{6-6/6}) - ((6 \times 6/(6 + 6))^{6/6+6}) \\
&:= 77 \times 77 + (((7 + 7 + 7)/7) - 7 \times 7 \times 7) \\
&:= 8 + ((8 \times (8 \times 88 - 8)) + (88 + 8 + 8)/8) \\
&:= 9 \times (9 \times 9 \times 9 - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5594 &:= (1 + 1) \times (1 + ((1 + 11) \times (11 + (1 + 1) \times 111))) \\
&:= 2 + 22 \times (2^{2 \times (2+2)} - 2) + 2 + 2 \\
&:= 3 + (((3 \times (3 + 3))^3 - ((3^{3+3} + 3)/3)) + 3) \\
&:= 4 + ((44 - 4/4) \times ((4^4 + 4)/((4 + 4)/4))) \\
&:= ((5 + 5) \times (555 + 5)) - (5/5 + 5) \\
&:= 6 + (((6/6 + 6) \times (66 \times (6 + 6) + 6)) + ((6 + 6)/6)) \\
&:= 7 + ((7 \times (777 + 7 + 7 + 7)) + 7/7) \\
&:= 8 + (((8 \times (8 \times 88 - 8)) + ((8 + 8)/8)) + 8) + 8 \\
&:= ((9 \times 9 + 9)/(9 + 9)) + 9 \times (9 \times 9 \times 9 - 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5585 &:= 11 + ((1 + 1 + 1) \times ((11 \times (1 + 1 + 11)^{1+1}) - 1)) \\
&:= (22 \times (2^{2 \times (2+2)} - 2)) - 2/2 - 2 \\
&:= (3 \times (3 + 3))^3 - (((3^{3+3} + 3)/3) + 3) \\
&:= 4/4 + (((4 + 4) + 4) \times 444 + 4^4) \\
&:= 5 + (5555 + 5 \times 5) \\
&:= (6 - 6/6) \times ((6666/6) + 6) \\
&:= 77 \times 77 - (7 \times 7 \times 7 + 7/7) \\
&:= 8 + (((8 \times (8 \times 88 - 8)) + 8/8) + 8) \\
&:= 9 + ((9/9 + 9 \times 9) \times (9 \times 9 - ((99 + 9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5590 &:= 1 + ((1 + (11 + 11)) \times (1 + ((1 + 1) \times 11^{1+1}))) \\
&:= 2 + (22 \times (2^{2 \times (2+2)} - 2)) \\
&:= 3/3 + (3^3 \times ((3 + 3)^3 - 3 \times 3)) \\
&:= (44 - 4/4) \times ((4^4 + 4)/((4 + 4)/4)) \\
&:= 5 + ((5555 + 5 \times 5) + 5) \\
&:= (6 - 6/6) \times ((6666 + 6)/6 + 6) \\
&:= 7777 - ((7 + 7 + 7)/7)^7 \\
&:= (8/8 + 8 \times 8) \times (88 - ((8 + 8)/8)) \\
&:= 9/9 + 9 \times (9 \times 9 \times 9 - 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5595 &:= (1 + (1 + 1 + 1 + 1)) \times (((11 - 1) \times (1 + 111)) - 1) \\
&:= 2 + (2/2 + 2)^{2 \times (2+2)} - 2 \times 22^2 \\
&:= 3 + ((3^3 \times ((3 + 3)^3 - 3 \times 3)) + 3) \\
&:= (4/4 + 4) \times (4444/4 + 4 + 4) \\
&:= ((5 + 5) \times (555 + 5)) - 5 \\
&:= (6 - 6/6) \times (((6666 + 6) + 6)/6 + 6) \\
&:= 7 + ((7 \times (777 + 7 + 7 + 7)) + ((7 + 7)/7)) \\
&:= 8 + (((8 \times (8 \times 88 - 8)) + (88/8)) + 8) \\
&:= 9 + ((99 - 9/9) \times (((9 + 9)/9)^9 + 9/9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5586 &:= (1 + 1) \times ((11 + (11 - 1)) \times (1 + (11 \times (1 + 11)))) \\
&:= (22 \times (2^{2 \times (2+2)} - 2)) - 2 \\
&:= (3^3 \times ((3 + 3)^3 - 3 \times 3)) - 3 \\
&:= 44 + ((44 \times (4^4 - 4) - 4)/((4 + 4)/4)) \\
&:= 5 + ((5555 + 5 \times 5) + 5/5) \\
&:= (6/6 + 6) \times (66 \times (6 + 6) + 6) \\
&:= 7 \times (777 + 7 + 7 + 7) \\
&:= 8 + (((8 \times (8 \times 88 - 8)) + ((8 + 8)/8)) + 8) \\
&:= (99 - 9/9) \times (((9 + 9)/9)^9 + 9/9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5591 &:= ((1 + 1) \times ((1 + 11) \times (11 + (1 + 1) \times 111))) - 1 \\
&:= 2 + 22 \times (2^{2 \times (2+2)} - 2) + 2/2 \\
&:= 3 + ((3 \times (3 + 3))^3 - ((3^{3+3} + 3)/3)) \\
&:= 4 + (4 \times 4 \times (4 + 4) \times 44) - (44 + 4/4) \\
&:= 5 \times 5 + (5555 + (55/5)) \\
&:= 6 + ((6 - 6/6) \times ((6666/6) + 6)) \\
&:= 7 + (77 \times 77 - (7 \times 7 \times 7 + ((7 + 7)/7))) \\
&:= 8 + (((8 \times (8 \times 88 - 8)) - 8/8) + 8) + 8 \\
&:= (9 + 9)/9 + 9 \times (9 \times 9 \times 9 - 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5596 &:= (11111 + (11 - 1 - 1)^{1+1})/(1 + 1) \\
&:= 2 \times (2222 + (22 + 2)^2) \\
&:= (33/3 \times (((3 - 3/3)^{3 \times 3} - 3)) - 3) \\
&:= ((4 + 4) \times (444 + 4^4)) - 4 \\
&:= 5/5 + (((5 + 5) \times (555 + 5)) - 5) \\
&:= 6 + ((6 - 6/6) \times ((6666 + 6)/6 + 6)) \\
&:= 77 \times 77 + (((77 - 7)/7) - 7 \times 7 \times 7) \\
&:= 8 + (8 \times 8 \times 88 - (88/((8 + 8)/8))) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 99 - 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5587 &:= 111 + (((1 + 1) \times (111/(1 + 1 + 1)))^{1+1}) \\
&:= (22 \times (2^{2 \times (2+2)} - 2)) - 2/2 \\
&:= 3/3 + ((3^3 \times ((3 + 3)^3 - 3 \times 3)) - 3) \\
&:= (4 \times 4 \times (4 + 4) \times 44) - (44 + 4/4) \\
&:= 5555 + ((5 + 5)/5)^5 \\
&:= 6/6 + ((6/6 + 6) \times (66 \times (6 + 6) + 6)) \\
&:= 7/7 + (7 \times (777 + 7 + 7 + 7)) \\
&:= 8 + ((8 \times (8 \times 88 - 8)) + (88/8)) \\
&:= 9 \times (9 \times 9 \times 9 - 99 - 9) - (9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5592 &:= (1 + 1) \times ((1 + 11) \times (11 + (1 + 1) \times 111)) \\
&:= 2 + 22 \times (2^{2 \times (2+2)} - 2) + 2 \\
&:= 3 + (3^3 \times ((3 + 3)^3 - 3 \times 3)) \\
&:= 4 + (44 \times (444/4 + 4 \times 4)) \\
&:= 5 + (5555 + ((5 + 5)/5)^5) \\
&:= 6 + ((6/6 + 6) \times (66 \times (6 + 6) + 6)) \\
&:= 7 + (77 \times 77 - (7 \times 7 \times 7 + 7/7)) \\
&:= 8 + (((8 \times (8 \times 88 - 8)) + 8) + 8) \\
&:= (9 - 9/9) \times (9 \times (9 \times 9 + 9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5597 &:= (11 \times ((1 + 1)^{11-1-1} - (1 + 1 + 1))) - 1 - 1 \\
&:= 2/2 + 2 \times (2222 + (22 + 2)^2) \\
&:= 3 \times 3 + ((3 \times (3 + 3))^3 - ((3^{3+3} + 3)/3)) \\
&:= 4/4 + (((4 + 4) \times (444 + 4^4)) - 4) \\
&:= 5 + (5555 + ((5 + 5)/5)^5) + 5 \\
&:= 6 + (((6 - 6/6) \times ((6666/6) + 6)) + 6) \\
&:= 7 + (7777 - ((7 + 7 + 7)/7)^7) \\
&:= 8 \times 8 \times 88 - (88/8 + 8 + 8 + 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 99 - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5598 &:= (11 \times ((1+1)^{11-1-1} - (1+1+1))) - 1 \\
&:= (22-2)^2 \times (2^{2+2} - 2) - 2 \\
&:= 3 \times ((3 \times (3 \times ((3+3)^3 - 3 \times 3))) + 3) \\
&:= ((4+4) \times (444+4^4)) - (4+4)/4 \\
&:= ((5+5) \times (555+5)) - (5+5)/5 \\
&:= 6 + (((6/6+6) \times (66 \times (6+6) + 6)) + 6) \\
&:= (7 \times (777+7)) + (777-7)/7 \\
&:= 8 + ((8/8+8 \times 8) \times (88 - ((8+8)/8))) \\
&:= 9+9 \times (9 \times 9 \times 9 - 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5599 &:= 11 \times ((1+1)^{11-1-1} - (1+1+1)) \\
&:= 22/2 + 22 \times (2^{2 \times (2+2)} - 2) \\
&:= 33/3 \times (((3-3/3)^{3 \times 3}) - 3) \\
&:= ((4+4) \times (444+4^4)) - 4/4 \\
&:= ((5+5) \times (555+5)) - 5/5 \\
&:= 6 + ((6/6+6) \times ((66 \times (6+6) + 6/6) + 6)) \\
&:= 777/7 + (7 \times (777+7)) \\
&:= ((8/8+88) \times (8 \times 8 - 8/8)) - 8 \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 99 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5600 &:= (1+111) \times ((11-1)^{1+1}/(1+1)) \\
&:= (22-2)^2 \times (2^{2+2} - 2) \\
&:= 33/3 + (3^3 \times ((3+3)^3 - 3 \times 3)) \\
&:= (4+4) \times (444+4^4) \\
&:= (5+5) \times (555+5) \\
&:= (6/6+6) \times ((66 \times (6+6) + ((6+6)/6)) + 6) \\
&:= (7/7+7) \times (777-77) \\
&:= 8 \times (8 \times 88 - 8 \times 8/(8+8)) \\
&:= (9/9 - 9 \times 9) \times ((99/9) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5601 &:= 1 + ((1+111) \times ((11-1)^{1+1}/(1+1))) \\
&:= 2/2 + ((22-2)^2 \times (2^{2+2} - 2)) \\
&:= 3 + ((3^3 \times ((3+3)^3 - 3 \times 3)) + 3 \times 3) \\
&:= 4/4 + ((4+4) \times (444+4^4)) \\
&:= 5/5 + ((5+5) \times (555+5)) \\
&:= 6 + ((6-6/6) \times (((6666+6) + 6)/6) + 6) \\
&:= 7/7 + ((7/7+7) \times (777-77)) \\
&:= 8/8 + (8 \times (8 \times 88 - 8 \times 8/(8+8))) \\
&:= 9/9 + ((9/9 - 9 \times 9) \times ((99/9) - 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5602 &:= 1 + (1 + ((1+111) \times ((11-1)^{1+1}/(1+1)))) \\
&:= 2 + ((22-2)^2 \times (2^{2+2} - 2)) \\
&:= 3 + (33/3 \times (((3-3/3)^{3 \times 3}) - 3)) \\
&:= (4+4)/4 + ((4+4) \times (444+4^4)) \\
&:= (5+5)/5 + ((5+5) \times (555+5)) \\
&:= 6 \times 6 \times (6 \times 6 + 6) + (((6+6)/6)^{6+6}) - 6 \\
&:= (7+7)/7 + ((7/7+7) \times (777-77)) \\
&:= 8 \times 8 \times 88 - ((88+88)/8+8) \\
&:= 9 + ((9 - (9+9)/9) \times (9 \times (9 \times 9 + 9) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5603 &:= (1+1+11) \times (((1+1+1) \times (1+11)^{1+1}) - 1) \\
&:= ((2^{2+2+2} + 22/2)^2) - 22 \\
&:= 3 + ((3^3 \times ((3+3)^3 - 3 \times 3)) + 33/3) \\
&:= 4 + (((4+4) \times (444+4^4)) - 4/4) \\
&:= 5 + (((5+5) \times (555+5)) - ((5+5)/5)) \\
&:= (6/6+6+6) \times ((6 \times (66+6)) - 6/6) \\
&:= 77 + ((7 \times (777+7+7)) - (77/7)) \\
&:= 8 + (((8 \times (8 \times 88 - 8)) + (88/8)) + 8) + 8 \\
&:= ((99+9+9)/9) \times (((9+9)/9)^9 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5604 &:= (((111^{1+1}) - 1111)/(1+1)) - 1 \\
&:= 2 + (((22-2)^2 \times (2^{2+2} - 2)) + 2) \\
&:= (3 \times (3+3))^3 - (((3+3)^3 + 3 \times 3) + 3) \\
&:= 4 + ((4+4) \times (444+4^4)) \\
&:= 5 + (((5+5) \times (555+5)) - 5/5) \\
&:= (6+6) \times (6 \times (66+6+6) - 6/6) \\
&:= 7 + ((7777 - ((7+7+7)/7)^7) + 7) \\
&:= 8 \times 8 \times 88 + ((8-8 \times 8)/(8+8)/8) \\
&:= 999 + (9 \times ((9+9)/9)^9 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5605 &:= (((111^{1+1}) - 1111)/(1+1)) \\
&:= 2 + (((2^{2+2+2} + 22/2)^2) - 22) \\
&:= (3 \times (3+3))^3 - ((3+3)^3 + 33/3) \\
&:= 4 + (((4+4) \times (444+4^4)) + 4/4) \\
&:= 5 + ((5+5) \times (555+5)) \\
&:= (6 \times (6+6) \times (66+6+6)) - 66/6 \\
&:= 7 + ((7 \times (777+7)) + (777-7)/7) \\
&:= 8 \times 8 \times 88 - (88/8+8+8) \\
&:= ((99/9) \times ((9+9)/9)^9) - (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5606 &:= 1 + (((111^{1+1}) - 1111)/(1+1)) \\
&:= (22 \times 2^{2 \times (2+2)}) - 22 - 2 - 2 \\
&:= ((3-33)/3) + ((3+3)^3 \times (3^3 - 3/3)) \\
&:= ((4^4 - 4/4) \times (44/((4+4)/4))) - 4 \\
&:= 5 + (((5+5) \times (555+5)) + 5/5) \\
&:= (6-66)/6 + (6 \times (6+6) \times (66+6+6)) \\
&:= 7 + ((7 \times (777+7)) + 777/7) \\
&:= (8-88)/8 + (8 \times 8 \times 88 - (8+8)) \\
&:= 999 + (9 \times ((9+9)/9)^9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5607 &:= 1 + (1 + (((111^{1+1}) - 1111)/(1+1))) \\
&:= (2/2+2)^2 \times (((2/2+2+2)^{2+2}) - 2) \\
&:= 3 \times (((3^3 - 3) \times (3 \times 3^3 - 3)) - 3) \\
&:= ((4^4 - 4)/4) \times (((4-4/4)^4 + 4) + 4) \\
&:= (5-5/5+5) \times (5^5 - 5-5)/5 \\
&:= (6/6+6) \times (((6 \times 6/(6+6))^6) + 66) + 6 \\
&:= 7 + ((7/7+7) \times (777-77)) \\
&:= (8/8+88) \times (8 \times 8 - 8/8) \\
&:= 999 + 9 \times ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5608 &:= (11 \times ((1+1)^{11-1-1} - (1+1))) - 1 - 1 \\
&:= (22 \times 2^{2 \times (2+2)}) - 22 - 2 \\
&:= 3 + ((3 \times (3+3))^3 - ((3+3)^3 + 33/3)) \\
&:= 4 + (((4+4) \times (444+4^4)) + 4) \\
&:= 55 + (5555 - ((5+5)/5)) \\
&:= 6 \times 6 \times (6 \times 6 + 6) + (((6+6)/6)^{6+6}) \\
&:= (7/7+7) \times ((777-77) + 7/7) \\
&:= 8 \times 8 \times 88 - 8 - 8 - 8 \\
&:= 9/9 + (9 \times ((9+9)/9)^9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5609 &:= (11 \times ((1+1)^{11-1-1} - (1+1))) - 1 \\
&:= (22 \times 2^{2 \times (2+2)}) - 22 - 2/2 \\
&:= 3^{3+3} + ((33/3+3+3)^3 - 33) \\
&:= ((4/4+4+4) \times (4/4+4)^4) - 4 \times 4 \\
&:= 55 + (5555 - 5/5) \\
&:= (6 \times (6+6) \times (66+6+6)) - 6/6 - 6 \\
&:= ((7+7)/7)^7 + ((7 \times (777+7)) - 7) \\
&:= 8/8 + (8 \times 8 \times 88 - (8+8+8)) \\
&:= 9 + ((9/9 - 9 \times 9) \times ((99/9) - 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5610 &:= 11 \times ((1+1)^{11-1-1} - (1+1)) \\
&:= 22 \times (2^{2 \times (2+2)} - 2/2) \\
&:= (3/3+33) \times ((3+3) \times 3^3 + 3) \\
&:= (4^4 - 4/4) \times (44/((4+4)/4)) \\
&:= 55 + 5555 \\
&:= (6 \times (6+6) \times (66+6+6)) - 6 \\
&:= ((7+7)/7 + 7 \times 7) \times (777-7)/7 \\
&:= 88/8 \times (8 \times 8 \times 8 - ((8+8)/8)) \\
&:= 99/9 \times (((9+9)/9)^9) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5611 &:= (111+11111)/(1+1) \\
&:= 2/2 + (22 \times (2^{2 \times (2+2)} - 2/2)) \\
&:= 3/3 + ((3/3+33) \times ((3+3) \times 3^3 + 3)) \\
&:= 44/4 + ((4+4) \times (444+4^4)) \\
&:= 55 + (5555+5/5) \\
&:= 6/6 + ((6 \times (6+6) \times (66+6+6)) - 6) \\
&:= ((77 - (7+7)/7)^{(7+7)/7}) - (7+7) \\
&:= 8 \times 8 \times 88 + ((8 - (88+88))/8) \\
&:= 9/9 + ((99/9) \times (((9+9)/9)^9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5612 &:= 1 + ((111+11111)/(1+1)) \\
&:= 2 + (22 \times (2^{2 \times (2+2)} - 2/2)) \\
&:= (3 \times (3+3))^3 - (((3+3)^3 + 3/3) + 3) \\
&:= (4 \times (4 \times (4+4) \times 44 - 4)) - 4 \\
&:= 55 + (5555 + ((5+5)/5)) \\
&:= (6+6)/6 + ((6 \times (6+6) \times (66+6+6)) - 6) \\
&:= 77 + ((7 \times (777+7+7)) - ((7+7)/7)) \\
&:= 8 \times 8 \times 88 - ((88+8)/8+8) \\
&:= ((99/9) \times (((9+9)/9)^9) - 9/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5613 &:= 1 + (1 + ((111 + 11111)/(1 + 1))) \\
&:= 2 + ((22 \times (2^{2 \times (2+2)} - 2/2)) + 2/2) \\
&:= (3 \times (3 + 3))^3 - ((3 + 3)^3 + 3) \\
&:= 4/4 + ((4 \times (4 \times (4 + 4) \times 44 - 4)) - 4) \\
&:= 5 + ((5555 - ((5 + 5)/5)) + 55) \\
&:= (6 \times (6 + 6) \times (66 + 6 + 6)) - 6 \times 6/(6 + 6) \\
&:= 77 + ((7 \times (777 + 7 + 7)) - 7/7) \\
&:= 8 \times 8 \times 88 - (88/8 + 8) \\
&:= ((99/9) \times ((9 + 9)/9)^9) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5614 &:= 1 + (1 + (1 + ((111 + 11111)/(1 + 1)))) \\
&:= 2 + ((22 \times (2^{2 \times (2+2)} - 2/2)) + 2) \\
&:= 3/3 + ((3 \times (3 + 3))^3 - ((3 + 3)^3 + 3)) \\
&:= 4 + ((4^4 - 4/4) \times (44/(4 + 4)/4)) \\
&:= 5 + ((5555 - 5/5) + 55) \\
&:= (6 \times (6 + 6) \times (66 + 6 + 6)) - (6 + 6)/6 \\
&:= 77 + (7 \times (777 + 7 + 7)) \\
&:= (8 - 88)/8 + (8 \times 8 \times 88 - 8) \\
&:= ((99/9) \times ((9 + 9)/9)^9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5615 &:= (1 + (1 + 1 + 1 + 1)) \times (1 + (11 + 1111)) \\
&:= (22 \times 2^{2 \times (2+2)}) - (2^{2+2} + 2/2) \\
&:= (3 \times (3 + 3))^3 - ((3 + 3)^3 + 3/3) \\
&:= (4 \times (4 \times (4 + 4) \times 44 - 4)) - 4/4 \\
&:= 5 + (5555 + 55) \\
&:= (6 \times (6 + 6) \times (66 + 6 + 6)) - 6/6 \\
&:= 7/7 + ((7 \times (777 + 7 + 7)) + 77) \\
&:= 8 \times 8 \times 88 - (8/8 + 8 + 8) \\
&:= (((9 + 9)/9)^9) + (9 \times (9 \times (9 \times 9 - (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5616 &:= (11^{1+1} + 11111)/(1 + 1) \\
&:= (22 + 2) \times (2^{2 \times (2+2)} - 22) \\
&:= (3 + 3)^3 \times (3^3 - 3/3) \\
&:= 4 \times (4 \times (4 + 4) \times 44 - 4) \\
&:= (5 - 5/5 + 5) \times (5^5 - 5)/5 \\
&:= 6 \times (6 + 6) \times (66 + 6 + 6) \\
&:= ((7 + 7)/7)^7 + (7 \times (777 + 7)) \\
&:= 8 \times 8 \times 88 - 8 - 8 \\
&:= 9 + (9 \times ((9 + 9)/9)^9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5617 &:= 1 + ((11^{1+1} + 11111)/(1 + 1)) \\
&:= 2/2 + ((22 + 2) \times (2^{2 \times (2+2)} - 22)) \\
&:= 3/3 + ((3 + 3)^3 \times (3^3 - 3/3)) \\
&:= 4/4 + (4 \times (4 \times (4 + 4) \times 44 - 4)) \\
&:= 5 + ((5555 + ((5 + 5)/5)) + 55) \\
&:= 6/6 + (6 \times (6 + 6) \times (66 + 6 + 6)) \\
&:= 7 \times 7 \times (77 - 7) + ((7 + 7 + 7)/7)^7 \\
&:= 8/8 + (8 \times 8 \times 88 - (8 + 8)) \\
&:= 9 + ((9 \times ((9 + 9)/9)^9 + 999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5618 &:= (1 + 1) \times (((111 - 1)/(1 + 1) - (1 + 1))^{1+1}) \\
&:= 2 \times ((2 \times (22 + 2 + 2) + 2/2)^2) \\
&:= 3 + ((3 \times (3 + 3))^3 - ((3 + 3)^3 + 3/3)) \\
&:= (4 + 4)/4 + (4 \times (4 \times (4 + 4) \times 44 - 4)) \\
&:= 5^5 + (5^5 - ((5^5 + 5 + 5)/5 + 5)) \\
&:= (6 + 6)/6 + (6 \times (6 + 6) \times (66 + 6 + 6)) \\
&:= ((77 - (7 + 7)/7)^{(7+7)/7}) - 7 \\
&:= (8 + 8)/8 + (8 \times 8 \times 88 - (8 + 8)) \\
&:= 9 + (((9/9 - 9 \times 9) \times ((99/9) - 9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5619 &:= (11 \times ((1 + 1)^{11-1-1} - 1)) - 1 - 1 \\
&:= (22 \times 2^{2 \times (2+2)}) - (22/2 + 2) \\
&:= 3 + ((3 + 3)^3 \times (3^3 - 3/3)) \\
&:= 4 + ((4 \times (4 \times (4 + 4) \times 44 - 4)) - 4/4) \\
&:= 5^5 + (5^5 - ((5^5 + 5)/5 + 5)) \\
&:= ((666/6 - 6 \times 6)^{(6+6)/6}) - 6 \\
&:= 7/7 + (((77 - (7 + 7)/7)^{(7+7)/7}) - 7) \\
&:= 8 \times 8 \times 88 - (88 + 8 + 8)/8 \\
&:= 9 + ((99/9) \times (((9 + 9)/9)^9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5620 &:= (11 \times ((1 + 1)^{11-1-1} - 1)) - 1 \\
&:= 2 + (2 \times ((2 \times (22 + 2 + 2) + 2/2)^2)) \\
&:= 3 + (((3 + 3)^3 \times (3^3 - 3/3)) + 3/3) \\
&:= 4 + (4 \times (4 \times (4 + 4) \times 44 - 4)) \\
&:= 5 + ((5555 + 55) + 5) \\
&:= 6 + ((6 \times (6 + 6) \times (66 + 6 + 6)) - ((6 + 6)/6)) \\
&:= (77 \times ((77 - 77/7) + 7)) - 7/7 \\
&:= 8 \times 8 \times 88 - (88 + 8)/8 \\
&:= ((99/9) \times ((9 + 9)/9)^9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5621 &:= 11 \times ((1 + 1)^{11-1-1} - 1) \\
&:= (22 \times 2^{2 \times (2+2)}) - 22/2 \\
&:= 33/3 \times (((3 - 3/3)^{3 \times 3}) - 3/3) \\
&:= 44/4 \times ((4^4 - 4/4) + 4^4) \\
&:= 5 + ((5 - 5/5 + 5) \times (5^5 - 5)/5) \\
&:= 6 + ((6 \times (6 + 6) \times (66 + 6 + 6)) - 6/6) \\
&:= 77 \times ((77 - 77/7) + 7) \\
&:= 8 \times 8 \times 88 - 88/8 \\
&:= 99/9 \times (((9 + 9)/9)^9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5622 &:= 1 + (11 \times ((1 + 1)^{11-1-1} - 1)) \\
&:= 2 \times (((2 \times (22 + 2 + 2) + 2/2)^2) + 2) \\
&:= 3 + (((3 + 3)^3 \times (3^3 - 3/3)) + 3) \\
&:= (4 - 44)/4 + (4 \times 4 \times (4 + 4) \times 44) \\
&:= 55 + (5555 + ((55 + 5)/5)) \\
&:= 6 + (6 \times (6 + 6) \times (66 + 6 + 6)) \\
&:= 7/7 + (77 \times ((77 - 77/7) + 7)) \\
&:= (8 - 88)/8 + 8 \times 8 \times 88 \\
&:= ((99/9) \times ((9 + 9)/9)^9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5623 &:= 1 + (1 + (11 \times ((1 + 1)^{11-1-1} - 1))) \\
&:= ((2^{2+2+2} + 22/2)^2) - 2 \\
&:= (33/3 \times ((3 - 3/3)^{3 \times 3})) - 3 \times 3 \\
&:= (4 \times 4 \times (4 + 4) \times 44) - (4/4 + 4 + 4) \\
&:= 5^5 + (5^5 - (5^5 + 5 + 5)/5) \\
&:= 6 + ((6 \times (6 + 6) \times (66 + 6 + 6)) + 6/6) \\
&:= 7 + ((7 \times (777 + 7)) + ((7 + 7)/7)^7) \\
&:= 8 \times 8 \times 88 - (8/8 + 8) \\
&:= ((99/9) \times ((9 + 9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5624 &:= 1 + (1 + (1 + (11 \times ((1 + 1)^{11-1-1} - 1)))) \\
&:= 2 \times (2 \times (22 \times 2^{2+2+2} - 2)) \\
&:= (((3 \times (3^3 - 3)) + 3)^{3-3/3}) - 3/3 \\
&:= (4 + 4) \times 4 \times 4 \times 44 - 4/4 \\
&:= 5^5 + (5^5 - (5^5 + 5)/5) \\
&:= 6 + ((6 \times (6 + 6) \times (66 + 6 + 6)) + ((6 + 6)/6)) \\
&:= (7/7 - 77) \times (((7 + 7 + 7)/7) - 77) \\
&:= 8 \times 8 \times 88 - 8 \\
&:= 9/9 + (((99/9) \times ((9 + 9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5625 &:= (1 + ((1 + 1) \times (111/(1 + 1 + 1))))^{1+1} \\
&:= (2^{2+2+2} + 22/2)^2 \\
&:= ((3 \times (3^3 - 3)) + 3)^{3-3/3} \\
&:= (4/4 + 4 + 4) \times (4/4 + 4)^4 \\
&:= 5 \times (5 \times 5 \times (55 - 5 - 5)) \\
&:= (666/6 - 6 \times 6)^{(6+6)/6} \\
&:= (77 - (7 + 7)/7)^{(7+7)/7} \\
&:= 8/8 + (8 \times 8 \times 88 - 8) \\
&:= 9 + ((9 \times ((9 + 9)/9)^9 + 999) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5626 &:= ((11 \times ((1 + 1)^{11-1} - 1)) - 1)/(1 + 1) \\
&:= (22 \times 2^{2 \times (2+2)}) - 2 - 2 - 2 \\
&:= 3/3 + (((3 \times (3^3 - 3)) + 3)^{3-3/3}) \\
&:= 4/4 + ((4/4 + 4 + 4) \times (4/4 + 4)^4) \\
&:= 5^5 + (((5 - 5^5)/5) + 5^5) \\
&:= 66 + ((6 - 6/6) \times (6666 + 6)/6) \\
&:= 7/7 + ((77 - (7 + 7)/7)^{(7+7)/7}) \\
&:= (8 + 8)/8 + (8 \times 8 \times 88 - 8) \\
&:= 9 + (((9 \times ((9 + 9)/9)^9 + 999) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5627 &:= (1 + (11 \times ((1 + 1)^{11-1} - 1)))/(1 + 1) \\
&:= 2 + ((2^{2+2+2} + 22/2)^2) \\
&:= 33/3 + ((3 + 3)^3 \times (3^3 - 3/3)) \\
&:= (4 \times 4 \times (4 + 4) \times 44) - 4/4 - 4 \\
&:= 5^5 + (((5 - 5^5) + 5)/5) + 5^5 \\
&:= 66/6 + (6 \times (6 + 6) \times (66 + 6 + 6)) \\
&:= 77 + (777/7 + 7 \times 777) \\
&:= 88/8 + (8 \times 8 \times 88 - (8 + 8)) \\
&:= 9 + (((9/9 - 9 \times 9) \times ((99/9) - 9 \times 9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5628 &:= 1 + ((1 + (11 \times ((1 + 1)^{11-1} - 1)))/(1 + 1)) \\
&:= (22 \times 2^{2 \times (2+2)}) - 2 - 2 \\
&:= 3 + (((3 \times (3^3 - 3)) + 3)^{3-3/3}) \\
&:= (4 \times 4 \times (4 + 4) \times 44) - 4 \\
&:= 5 + ((5^5 - (5^5 + 5 + 5))/5) + 5^5 \\
&:= 6 + ((6 \times (6 + 6) \times (66 + 6 + 6)) + 6) \\
&:= 7 + (77 \times ((77 - 77/7) + 7)) \\
&:= 8 \times 8 \times 88 - 8 \times 8 / (8 + 8) \\
&:= 9 + (((99/9) \times (((9 + 9)/9)^9) - ((9 + 9)/9))) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5629 &:= (11 \times (1 + 1)^{11-1-1}) - 1 - 1 - 1 \\
&:= (22 \times 2^{2 \times (2+2)}) - 2/2 - 2 \\
&:= (33/3 \times ((3 - 3/3)^{3 \times 3})) - 3 \\
&:= 4 + ((4/4 + 4 + 4) \times (4/4 + 4)^4) \\
&:= 5 + ((5^5 - (5^5 + 5)/5) + 5^5) \\
&:= (6/6 + 6 + 6) \times ((6 \times (66 + 6)) + 6/6) \\
&:= 7 + ((77 \times ((77 - 77/7) + 7)) + 7/7) \\
&:= 8 + (8 \times 8 \times 88 - (88/8)) \\
&:= 9 \times 9 \times 9 + ((9 \times 9 - 99/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5630 &:= (11 \times (1 + 1)^{11-1-1}) - 1 - 1 \\
&:= (22 \times 2^{2 \times (2+2)}) - 2 \\
&:= 3 + (((3 + 3)^3 \times (3^3 - 3/3)) + 33/3) \\
&:= (4 \times 4 \times (4 + 4) \times 44) - (4 + 4)/4 \\
&:= 5 + ((5^5 - 5^5/5) + 5^5) \\
&:= 6 + (((6 \times (6 + 6) \times (66 + 6 + 6)) + ((6 + 6)/6)) + 6) \\
&:= 7 + (((7 \times (777 + 7)) + ((7 + 7)/7)^7) + 7) \\
&:= 8 \times 8 \times 88 - (8 + 8)/8 \\
&:= 9 + ((99/9) \times (((9 + 9)/9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5631 &:= (11 \times (1 + 1)^{11-1-1}) - 1 \\
&:= (22 \times 2^{2 \times (2+2)}) - 2/2 \\
&:= (3 \times (3 + 3))^3 - (33 \times (3 + 3) + 3) \\
&:= (4 \times 4 \times (4 + 4) \times 44) - 4/4 \\
&:= 5 + (((5 - 5^5)/5) + 5^5) + 5^5 \\
&:= 6 + ((666/6 - 6 \times 6)^{(6+6)/6}) \\
&:= 7 + ((7/7 - 77) \times ((7 + 7 + 7)/7) - 77) \\
&:= 8 \times 8 \times 88 - 8/8 \\
&:= ((99/9) \times ((9 + 9)/9)^9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5632 &:= 11 \times (1 + 1)^{11-1-1} \\
&:= 22 \times 2^{2 \times (2+2)} \\
&:= 33/3 \times ((3 - 3/3)^{3 \times 3}) \\
&:= 4 \times 4 \times (4 + 4) \times 44 \\
&:= 5 + (((5 - 5^5) + 5)/5) + 5^5 + 5^5 \\
&:= 66/6 \times (((6 + 6)/6)^{6 \times 6 / (6+6+6)}) \\
&:= 7 + ((77 - (7 + 7)/7)^{(7+7)/7}) \\
&:= 8 \times 8 \times 88 \\
&:= 99/9 \times ((9 + 9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5633 &:= 1 + (11 \times (1 + 1)^{11-1-1}) \\
&:= 2/2 + (22 \times 2^{2 \times (2+2)}) \\
&:= 3/3 + (33/3 \times ((3 - 3/3)^{3 \times 3})) \\
&:= 4/4 + (4 \times 4 \times (4 + 4) \times 44) \\
&:= 5^5 + ((5 - 5/5) \times (5^5 + 5 + 5)/5) \\
&:= 6 + ((6 \times (6 + 6) \times (66 + 6 + 6)) + (66/6)) \\
&:= 7 + (((77 - (7 + 7)/7)^{(7+7)/7}) + 7/7) \\
&:= 8/8 + 8 \times 8 \times 88 \\
&:= 9/9 + ((99/9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5634 &:= 1 + (1 + (11 \times (1 + 1)^{11-1-1})) \\
&:= 2 + (22 \times 2^{2 \times (2+2)}) \\
&:= (3 \times (3 + 3))^3 - 33 \times (3 + 3) \\
&:= (4 + 4)/4 + (4 \times 4 \times (4 + 4) \times 44) \\
&:= (5 - 5/5 + 5) \times (5^5 + 5)/5 \\
&:= 6 + (((6 \times (6 + 6) \times (66 + 6 + 6)) + 6) + 6) \\
&:= (7 \times (7 - 7 \times 7)) + (77 \times 77 - 7/7) \\
&:= (8 + 8)/8 + 8 \times 8 \times 88 \\
&:= (9 + 9) \times ((9 + 9) \times (9 + 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5635 &:= 1 + (1 + (1 + (11 \times (1 + 1)^{11-1-1}))) \\
&:= 2 + ((22 \times 2^{2 \times (2+2)}) + 2/2) \\
&:= 3 + (33/3 \times ((3 - 3/3)^{3 \times 3})) \\
&:= 4 + ((4 \times 4 \times (4 + 4) \times 44) - 4/4) \\
&:= 5 \times 5 + (5555 + 55) \\
&:= 6 + ((6/6 + 6 + 6) \times ((6 \times (66 + 6)) + 6/6)) \\
&:= 7 \times ((777 + 7 + 7 + 7) + 7) \\
&:= 88/8 + (8 \times 8 \times 88 - 8) \\
&:= 9/9 + ((9 + 9) \times ((9 + 9) \times (9 + 9) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5636 &:= 1 + (1 + (1 + (1 + (11 \times (1 + 1)^{11-1-1})))) \\
&:= 2 + ((22 \times 2^{2 \times (2+2)}) + 2) \\
&:= 3 + ((33/3 \times ((3 - 3/3)^{3 \times 3})) + 3/3) \\
&:= 4 + (4 \times 4 \times (4 + 4) \times 44) \\
&:= 5^5 + (((55 - 5^5)/5) + 5^5) \\
&:= 66/6 + ((666/6 - 6 \times 6)^{(6+6)/6}) \\
&:= 7/7 + ((7 \times (7 - 7 \times 7)) + 77 \times 77) \\
&:= 8 \times 8 / (8 + 8) + 8 \times 8 \times 88 \\
&:= 99 + (9 \times 9 \times 9 \times 9 - ((9 + 9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5637 &:= ((11 \times (1 + (1 + 1)^{11-1})) - 1)/(1 + 1) \\
&:= 2 + (((22 \times 2^{2 \times (2+2)}) + 2/2) + 2) \\
&:= 3 + ((3 \times (3 + 3))^3 - 33 \times (3 + 3)) \\
&:= 4 + ((4 \times 4 \times (4 + 4) \times 44) + 4/4) \\
&:= 5^5 + (((55 - 5^5) + 5)/5) + 5^5 \\
&:= 6 + (((666/6 - 6 \times 6)^{(6+6)/6}) + 6) \\
&:= 77 + ((7 \times 777 - 7) + ((7 + 7)/7)^7) \\
&:= 8 + ((8 \times 8 \times 88 - (88/8)) + 8) \\
&:= ((9 \times 9 + 9)/(9 + 9)) + ((99/9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5638 &:= (1 + (11 \times (1 + (1 + 1)^{11-1}))) / (1 + 1) \\
&:= 2 + (((22 \times 2^{2 \times (2+2)}) + 2) + 2) \\
&:= 3 + ((33/3 \times ((3 - 3/3)^{3 \times 3})) + 3) \\
&:= 4 + ((4 \times 4 \times (4 + 4) \times 44) + (4 + 4)/4) \\
&:= ((5 - 5/5 + 5) \times (5^5 + 5 + 5)/5) - 5 \\
&:= 6 + ((66/6) \times (((6 + 6)/6)^{6 \times 6 / (6+6+6)})) \\
&:= 7 + (((7/7 - 77) \times ((7 + 7 + 7)/7) - 77)) + 7 \\
&:= 8 + (8 \times 8 \times 88 - (8 + 8)/8) \\
&:= 9999/9 + (9 \times (((9 + 9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5639 &:= 1 + ((1 + (11 \times (1 + (1 + 1)^{11-1}))) / (1 + 1)) \\
&:= 2 + (((22 \times 2^{2 \times (2+2)}) + 2/2) + 2) + 2 \\
&:= 3^{3+3} + ((33/3 + 3 + 3)^3 - 3) \\
&:= 4 + (((4 \times 4 \times (4 + 4) \times 44) - 4/4) + 4) \\
&:= 5 + ((5 - 5/5 + 5) \times (5^5 + 5)/5) \\
&:= 6 + (((6 \times (6 + 6) \times (66 + 6 + 6)) + (66/6)) + 6) \\
&:= 7 + (((77 - (7 + 7)/7)^{(7+7)/7}) + 7) \\
&:= 8 + (8 \times 8 \times 88 - 8/8) \\
&:= 9 + (((99/9) \times (((9 + 9)/9)^9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5640 &:= (11 \times (1 + (1 + 1)^{11-1-1})) - 1 - 1 - 1 \\
&:= 2 \times (2 \times (22 \times 2^{2+2+2} + 2)) \\
&:= (3 \times (3 + 3))^3 - (3 \times ((3/3 + 3)^3)) \\
&:= 4 + ((4 \times 4 \times (4 + 4) \times 44) + 4) \\
&:= 5 + ((5555 + 55) + 5 \times 5) \\
&:= (6 + 6) \times (6 \times (66 + 6 + 6) + ((6 + 6)/6)) \\
&:= 7 + (((77 - (7 + 7)/7)^{(7+7)/7}) + 7/7) + 7 \\
&:= 8 + 8 \times 8 \times 88 \\
&:= 9 + (((99/9) \times ((9 + 9)/9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5641 &:= (11 \times (1 + (1 + 1)^{11-1-1})) - 1 - 1 \\
&:= 22/2 + ((22 \times 2^{2 \times (2+2)}) - 2) \\
&:= 3 \times 3 + (33/3 \times ((3 - 3/3)^{3 \times 3})) \\
&:= 4 + (((4 \times 4 \times (4 + 4) \times 44) + 4/4) + 4) \\
&:= 5 + (((55 - 5^5)/5) + 5^5) + 5^5 \\
&:= 66 \times 66 + (6 \times 6 \times 6 \times 6 - (66/6)) \\
&:= 7 + ((77 \times 77 - 7/7) + (7 \times (7 - 7 \times 7))) \\
&:= 8 + (8 \times 8 \times 88 + 8/8) \\
&:= 9 + ((99/9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5642 &:= (11 \times (1 + (1 + 1)^{11-1-1})) - 1 \\
&:= 2 + ((22 \times 2^{2 \times (2+2)}) + 2 \times (2 + 2)) \\
&:= 3^{3+3} + (33/3 + 3 + 3)^3 \\
&:= (44 - 4)/4 + (4 \times 4 \times (4 + 4) \times 44) \\
&:= 55 + (5555 + ((5 + 5)/5)^5) \\
&:= 6666 - (((6 + 6)/6)^{(6-6)/6}) \\
&:= 7 + ((7 \times (7 - 7 \times 7)) + 77 \times 77) \\
&:= 8 + (8 \times 8 \times 88 + ((8 + 8)/8)) \\
&:= 9 + (((99/9) \times ((9 + 9)/9)^9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5643 &:= 11 \times (1 + (1 + 1)^{11-1-1}) \\
&:= 22/2 + (22 \times 2^{2 \times (2+2)}) \\
&:= 3 \times (33 \times ((3^3 + 3^3) + 3)) \\
&:= 44/4 + (4 \times 4 \times (4 + 4) \times 44) \\
&:= (5 - 5/5 + 5) \times (5^5 + 5 + 5)/5 \\
&:= 66/6 \times ((666/6 + 6 \times 66) + 6) \\
&:= ((7/7 + 7 \times 7) + 7) \times (7 \times (7 + 7) + 7/7) \\
&:= 88/8 + 8 \times 8 \times 88 \\
&:= 9 \times (9 \times 9 \times 9 + 9) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5644 &:= 1 + (11 \times (1 + (1 + 1)^{11-1-1})) \\
&:= 2 \times ((2 \times (22 \times 2^{2+2+2} + 2)) + 2) \\
&:= 3/3 + (3 \times (33 \times ((3^3 + 3^3) + 3))) \\
&:= (4 \times (4 \times (4 + 4) \times 44 + 4)) - 4 \\
&:= 5 + (((5 - 5/5 + 5) \times (5^5 + 5)/5) + 5) \\
&:= (66/6 + 6) \times (6 \times 66 - ((6 + 6)/6)^6) \\
&:= 77 + (7 \times 777 + ((7 + 7)/7)^7) \\
&:= ((88 + 8)/8) + 8 \times 8 \times 88 \\
&:= 9/9 + 9 \times (9 \times 9 \times 9 + 9) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5645 &:= 1 + (1 + (11 \times (1 + (1 + 1)^{11-1-1}))) \\
&:= 2 + ((22 \times 2^{2 \times (2+2)}) + 22/2) \\
&:= 3 + ((33/3 + 3 + 3)^3 + 3^{3+3}) \\
&:= 4/4 + ((4 \times (4 \times (4 + 4) \times 44 + 4)) - 4) \\
&:= ((5 + 5) \times (555 + 5 + 5)) - 5 \\
&:= (6 - 6/6) \times (((6666/6) + 6) + 6) + 6 \\
&:= 7/7 + ((7 \times 777 + ((7 + 7)/7)^7) + 77) \\
&:= 8 \times 8 \times 88 + (88 + 8 + 8)/8 \\
&:= (9 + 9)/9 + 9 \times (9 \times 9 \times 9 + 9) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5646 &:= 1 + (1 + (1 + (11 \times (1 + (1 + 1)^{11-1-1})))) \\
&:= 2^{2+2} + ((22 \times 2^{2 \times (2+2)}) - 2) \\
&:= 3 + (3 \times (33 \times ((3^3 + 3^3) + 3))) \\
&:= (4 \times (4 \times (4 + 4) \times 44 + 4)) - (4 + 4)/4 \\
&:= 5^5 + (((5 - 55 \times 55)/5) + 5^5) \\
&:= 66 \times 66 + (6 \times 6 \times 6 \times 6 - 6) \\
&:= 7 + (((77 - (7 + 7)/7)^{(7+7)/7} + 7) + 7) \\
&:= 8 + ((8 \times 8 \times 88 - ((8 + 8)/8) + 8) + 8) \\
&:= ((9 + 9 + 9)/9) + 9 \times (9 \times 9 \times 9 + 9) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5647 &:= 1 + (1 + (1 + (1 + (11 \times (1 + (1 + 1)^{11-1-1})))))) \\
&:= 22 + ((2^{2+2+2} + 22/2)^2) \\
&:= 3 + ((3 \times (33 \times ((3^3 + 3^3) + 3))) + 3/3) \\
&:= (4 \times (4 \times (4 + 4) \times 44 + 4)) - 4/4 \\
&:= 5 + ((5555 + ((5 + 5)/5)^5) + 55) \\
&:= 6/6 + ((6 \times 6 \times 6 \times 6 - 6) + 66 \times 66) \\
&:= (777 - 7)/7 + (7 \times (777 + 7 + 7)) \\
&:= 8 + ((8 \times 8 \times 88 - 8/8) + 8) \\
&:= 9 + ((9 \times (((9 + 9)/9)^9) - 9) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5648 &:= 11 + (((11 \times (1 + (1 + 1)^{11-1})) - 1)/(1 + 1)) \\
&:= 2 \times (2 \times (2 \times (222 + 22^2))) \\
&:= (3/3 + 3) \times ((33/3)^3 + 3 \times 3^3) \\
&:= 4 \times (4 \times (4 + 4) \times 44 + 4) \\
&:= 5 + ((5 - 5/5 + 5) \times (5^5 + 5 + 5)/5) \\
&:= 6 + (6666 - (((6 + 6)/6)^{(66-6)/6})) \\
&:= 777/7 + (7 \times (777 + 7 + 7)) \\
&:= 8 + (8 \times 8 \times 88 + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 99) - ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5649 &:= 11 + ((1 + (11 \times (1 + (1 + 1)^{11-1}))) / (1 + 1)) \\
&:= 2 + (((2^{2+2+2} + 22/2)^2) + 22) \\
&:= 33 + ((3 + 3)^3 \times (3^3 - 3/3)) \\
&:= 4/4 + (4 \times (4 \times (4 + 4) \times 44 + 4)) \\
&:= ((5 + 5) \times (555 + 5 + 5)) - 5/5 \\
&:= 6 + ((66/6) \times ((666/6 + 6 \times 66) + 6)) \\
&:= 7 + (((7 \times (7 - 7 \times 7)) + 77 \times 77) + 7) \\
&:= 8 + ((8 \times 8 \times 88 + 8/8) + 8) \\
&:= 9 + (((99/9) \times ((9 + 9)/9)^9) - 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5650 &:= (11 - 1) \times (((1 + 1) \times (1 + 11))^{1+1}) - 11 \\
&:= 2 + ((22 \times 2^{2 \times (2+2)}) + 2^{2+2}) \\
&:= 3/3 + (((3 + 3)^3 \times (3^3 - 3/3)) + 33) \\
&:= (4 + 4)/4 + (4 \times (4 \times (4 + 4) \times 44 + 4)) \\
&:= (5 + 5) \times (555 + 5 + 5) \\
&:= 66 \times 66 + (6 \times 6 \times 6 \times 6 - ((6 + 6)/6)) \\
&:= (7/7 + 7 \times 7) \times (777 + 7 + 7)/7 \\
&:= 8 + ((8 \times 8 \times 88 + ((8 + 8)/8) + 8) + 8) \\
&:= 9 + (((99/9) \times ((9 + 9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5651 &:= 1 + ((11 - 1) \times (((1 + 1) \times (1 + 11))^{1+1}) - 11) \\
&:= 22 + ((22 \times 2^{2 \times (2+2)}) - (2/2 + 2)) \\
&:= 3 + ((3/3 + 3) \times ((33/3)^3 + 3 \times 3^3)) \\
&:= 4 + ((4 \times (4 \times (4 + 4) \times 44 + 4)) - 4/4) \\
&:= 5/5 + ((5 + 5) \times (555 + 5 + 5)) \\
&:= 66 \times 66 + (6 \times 6 \times 6 \times 6 - 6/6) \\
&:= 7 + ((7 \times 777 + ((7 + 7)/7)^7) + 77) \\
&:= 8 + (8 \times 8 \times 88 + (88/8)) \\
&:= 9 \times (9 \times 9 \times 9 - 99) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5652 &:= (11 \times (1 + (1 + (1 + 1)^{11-1-1}))) - 1 - 1 \\
&:= 22 + ((22 \times 2^{2 \times (2+2)}) - 2) \\
&:= 3 \times ((33 \times ((3^3 + 3^3) + 3)) + 3) \\
&:= 4 + (4 \times (4 \times (4 + 4) \times 44 + 4)) \\
&:= (5 + 5)/5 + ((5 + 5) \times (555 + 5 + 5)) \\
&:= 6 \times ((6 + 6) \times (66 + 6 + 6) + 6) \\
&:= (77 + 7)/7 \times (((7 + 7)/7)^7 + 7 \times 7 \times 7) \\
&:= 8 + (((88 + 8)/8) + 8 \times 8 \times 88) \\
&:= 9 \times (9 \times 9 \times 9 - 99) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5653 &:= (11 \times (1 + (1 + (1 + 1)^{11-1-1}))) - 1 \\
&:= 22 + ((22 \times 2^{2 \times (2+2)}) - 2/2) \\
&:= 3/3 + (((3 + 3) \times (3 - 33)) + (3 \times (3 + 3))^3) \\
&:= 4 + ((4 \times (4 \times (4 + 4) \times 44 + 4)) + 4/4) \\
&:= 5 + (((5 - 5/5 + 5) \times (5^5 + 5 + 5)/5) + 5) \\
&:= 6/6 + (66 \times 66 + 6 \times 6 \times 6 \times 6) \\
&:= 7 + (((77 - (7 + 7)/7)^{(7+7)/7} + 7) + 7) + 7 \\
&:= 8 + ((88 + 8 + 8)/8 + 8 \times 8 \times 88) \\
&:= 9/9 + (9 \times (9 \times 9 \times 9 - 99) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5654 &:= 11 \times (1 + (1 + (1 + 1)^{11-1-1})) \\
&:= 22 + (22 \times 2^{2 \times (2+2)}) \\
&:= 333 + (((3/3 + 3) \times (33/3)^3) - 3) \\
&:= (4/4 + 4^4) \times (44/((4 + 4)/4)) \\
&:= 55/5 \times (5^5 - 555)/5 \\
&:= (6 + 6)/6 + (66 \times 66 + 6 \times 6 \times 6 \times 6) \\
&:= (7 \times (777 + 7 \times 7)) - ((7 + 7)/7)^7 \\
&:= 88/8 \times (8 \times 8 \times 8 + (8 + 8)/8) \\
&:= 99/9 \times (((9 + 9)/9)^9) + ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5655 &:= 1 + (11 \times (1 + (1 + (1 + 1)^{11-1-1}))) \\
&:= 22 + ((22 \times 2^{2 \times (2+2)}) + 2/2) \\
&:= 3 + (((3 + 3) \times (3 - 33)) + (3 \times (3 + 3))^3) \\
&:= (4^4 + 4)/4 \times ((44 - 4/4) + 44) \\
&:= 5 + ((5 + 5) \times (555 + 5 + 5)) \\
&:= 666/6 + (66 \times ((66 + 6 + 6) + 6)) \\
&:= 7 + ((7 \times (777 + 7 + 7)) + 777/7) \\
&:= (8/8 + 8 \times 8) \times (88 - 8/8) \\
&:= 9/9 + ((99/9) \times (((9 + 9)/9)^9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5656 &:= 1 + (1 + (11 \times (1 + (1 + (1 + 1)^{11-1-1})))) \\
&:= 2 + ((22 \times 2^{2 \times (2+2)}) + 22) \\
&:= 3^3 + ((33/3 \times ((3 - 3/3)^{3 \times 3}) - 3) \\
&:= 4 + ((4 \times (4 \times (4 + 4) \times 44 + 4)) + 4) \\
&:= 5 + (((5 + 5) \times (555 + 5 + 5)) + 5/5) \\
&:= 6 + ((66 \times 66 - ((6 + 6)/6)) + 6 \times 6 \times 6 \times 6) \\
&:= (7/7 + 7) \times ((777 - 77) + 7) \\
&:= 8 + ((8 \times 8 \times 88 + 8) + 8) \\
&:= (9 - 9/9) \times (9 \times 9 \times 9 - ((99 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5657 &:= 1 + (1 + (1 + (11 \times (1 + (1 + (1 + 1)^{11-1-1})))))) \\
&:= 2 + (((22 \times 2^{2 \times (2+2)}) + 22) + 2/2) \\
&:= 333 + ((3/3 + 3) \times (33/3)^3) \\
&:= ((4/4 + 4 + 4) \times ((4/4 + 4)^4 + 4)) - 4 \\
&:= 5 + (((5 + 5) \times (555 + 5 + 5)) + ((5 + 5)/5)) \\
&:= 6 + ((6 \times 6 \times 6 \times 6 - 6/6) + 66 \times 66) \\
&:= ((7 \times 7 - 7/7) \times (777/7 + 7)) - 7 \\
&:= 8 + (((8 \times 8 \times 88 + 8/8) + 8) + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 99) - (99 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5658 &:= (1+1) \times ((1+(11+11)) \times (1+(1+11^{1+1}))) \\
&:= (2 \times 22 + 2) \times ((22/2)^2 + 2) \\
&:= (3^3 \times 333) - 3333 \\
&:= 4 + ((4/4 + 4^4) \times (44/(4+4)/4)) \\
&:= (5+5)/5 \times ((5 \times 555 - 5/5) + 55) \\
&:= 6 + (66 \times 66 + 6 \times 6 \times 6 \times 6) \\
&:= ((7+7)/7)^7 + ((7 \times (777+7+7)) - 7) \\
&:= 8 + (((8 \times 8 \times 88 + ((8+8)/8)) + 8) + 8) \\
&:= (9/9 + 9 \times 9) \times (9 \times 9 - (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5659 &:= (111 \times (1 + ((11-1)^{1+1}/(1+1)))) - 1 - 1 \\
&:= 2/2 + ((2 \times 22 + 2) \times ((22/2)^2 + 2)) \\
&:= 3^3 + (33/3 \times ((3-3/3)^{3 \times 3})) \\
&:= 44/4 + (4 \times (4 \times (4+4) \times 44 + 4)) \\
&:= 5 + (55/5 \times (5^5 - 555)/5) \\
&:= 6 + ((66 \times 66 + 6 \times 6 \times 6 \times 6) + 6/6) \\
&:= 77 \times 77 - ((7 \times 7 \times 77 + 7)/(7+7)) \\
&:= 8 + ((8 \times 8 \times 88 + (88/8)) + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 99) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5660 &:= (11-1) \times (11 + ((1111-1)/(1+1))) \\
&:= 2 + ((2 \times 22 + 2) \times ((22/2)^2 + 2)) \\
&:= (333 \times (33/3 + 3 + 3)) - 3/3 \\
&:= (4+4) \times 4 \times 4 \times 44 + 4 - 4 \\
&:= (5+5) \times (555 + (55/5)) \\
&:= 6 + ((66 \times 66 + 6 \times 6 \times 6 \times 6) + ((6+6)/6)) \\
&:= 77 \times 77 + ((7-7 \times 7 \times 77)/(7+7)) \\
&:= 8 + (((88+8)/8) + 8 \times 8 \times 88) + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 99) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5661 &:= 111 \times (1 + ((11-1)^{1+1}/(1+1))) \\
&:= 222/2 \times ((2 \times (22+2) + 2/2) + 2) \\
&:= 333 \times (33/3 + 3 + 3) \\
&:= (4/4 + 4 + 4) \times ((4/4 + 4)^4 + 4) \\
&:= 5555 + (555/5 - 5) \\
&:= (66/6 + 6) \times 666 \times 6/(6+6) \\
&:= 777/7 \times ((7+7)/7 + 7 \times 7) \\
&:= (8/8 + 8) \times (8 \times (88-8) - (88/8)) \\
&:= 9 \times (9 \times 9 \times 9 - 99) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5662 &:= 1 + (111 \times (1 + ((11-1)^{1+1}/(1+1)))) \\
&:= (2^{2+2} \times ((22 \times 2^{2+2}) + 2)) - 2 \\
&:= 3/3 + (333 \times (33/3 + 3 + 3)) \\
&:= (4+4) \times 4 \times 4 \times 44 + 4 - (4+4)/4 \\
&:= 5555 + ((555+5)/5 - 5) \\
&:= 6/6 + ((66/6 + 6) \times 666 \times 6/(6+6)) \\
&:= 7/7 + (777/7 \times ((7+7)/7 + 7 \times 7)) \\
&:= 8 + ((88+88)/8 + 8 \times 8 \times 88) \\
&:= 9/9 + (9 \times (9 \times 9 \times 9 - 99) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5663 &:= 1 + (1 + (111 \times (1 + ((11-1)^{1+1}/(1+1)))))) \\
&:= 22 \times (2^{2 \times (2+2)} + 2) - (22/2 + 2) \\
&:= 3 + ((333 \times (33/3 + 3 + 3)) - 3/3) \\
&:= (4+4) \times 4 \times 4 \times 44 + 4 - 4/4 \\
&:= 55 + ((5555 - ((5+5)/5)) + 55) \\
&:= 66/6 + (66 \times 66 + 6 \times 6 \times 6 \times 6) \\
&:= 77 + (7 \times (777 + 7 + 7 + 7)) \\
&:= 8 + ((8/8 + 8 \times 8) \times (88 - 8/8)) \\
&:= (9+9)/9 + (9 \times (9 \times 9 \times 9 - 99) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5664 &:= (1+11) \times (((11+11)^{1+1}) - (1+11)) \\
&:= 2^{2+2} \times ((22 \times 2^{2+2}) + 2) \\
&:= 3 + 333 \times (33/3 + 3 + 3) \\
&:= (4+4) \times 4 \times 4 \times 44 + 4 \\
&:= 55 + ((5555 - 5/5) + 55) \\
&:= 6 + ((66 \times 66 + 6 \times 6 \times 6 \times 6) + 6) \\
&:= (7 \times 7 - 7/7) \times (777/7 + 7) \\
&:= 8 + (((8 \times 8 \times 88 + 8) + 8) + 8) \\
&:= (9-9/9) \times (9 \times 9 \times 9 - ((99+9)/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5665 &:= 11 \times (1 + (1 + (1 + (1 + 1)^{11-1-1}))) \\
&:= 22 \times (2^{2 \times (2+2)} + 2) - 22/2 \\
&:= 33/3 \times (((3-3/3)^{3 \times 3}) + 3) \\
&:= 4/4 + (4+4) \times 4 \times 4 \times 44 + 4 \\
&:= 55 + (5555 + 55) \\
&:= 66/6 \times ((6+6) \times (6 \times 6 + 6) + (66/6)) \\
&:= ((7+7)/7)^7 + (7 \times (777 + 7 + 7)) \\
&:= (88/8 - 8)^8 - (888 + 8) \\
&:= 99/9 \times (((9+9)/9)^9) + ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5666 &:= 111 + ((11111-1)/(1+1)) \\
&:= 2 + (2^{2+2} \times ((22 \times 2^{2+2}) + 2)) \\
&:= (3^3 \times ((3+3)^3 - (3+3))) - (3/3 + 3) \\
&:= (4+4)/4 + (4+4) \times 4 \times 4 \times 44 + 4 \\
&:= 5555 + 555/5 \\
&:= 666/6 + (6-6/6) \times 6666/6 \\
&:= 77 \times 77 - (((7+7)/7)^{7+7/7} + 7) \\
&:= 8 + (((8 \times 8 \times 88 + ((8+8)/8)) + 8) + 8) + 8) \\
&:= ((9-9 \times 9)/(9+9)) + 9 \times (9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5667 &:= 111 + ((1+11111)/(1+1)) \\
&:= 2 + (22 \times (2^{2 \times (2+2)} + 2) - 22/2) \\
&:= (3^3 \times ((3+3)^3 - (3+3))) - 3 \\
&:= 4 + ((4+4) \times 4 \times 4 \times 44 + 4 - 4/4) \\
&:= 5555 + (555+5)/5 \\
&:= 6 + ((66/6 + 6) \times 666 \times 6/(6+6)) \\
&:= 77 + (7777 - ((7+7+7)/7)^7) \\
&:= 8 + (((8 \times 8 \times 88 + (88/8)) + 8) + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 99) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5668 &:= 1 + (111 + ((1+11111)/(1+1))) \\
&:= 22^2 + (2 \times (2+2+2)^2)^2 \\
&:= 3 + (33/3 \times (((3-3/3)^{3 \times 3}) + 3)) \\
&:= 4 + (4+4) \times 4 \times 4 \times 44 + 4 \\
&:= 5555 + (555+5+5)/5 \\
&:= (6/6 + 6 + 6) \times (((6 \times (66+6)) - ((6+6)/6)) + 6) \\
&:= 7 + (777/7 \times ((7+7)/7 + 7 \times 7)) \\
&:= 8 \times 8 \times 88 + ((8 \times 8 + 8)/(8+8)/8) \\
&:= 9 \times (9 \times 9 \times 9 - 99) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5669 &:= 1 + (1 + (111 + ((1+11111)/(1+1)))) \\
&:= 2/2 + ((2 \times (2+2+2)^2)^2 + 22^2) \\
&:= 3^3 \times ((3+3)^3 - 3 - 3) - 3/3 \\
&:= 4 + (4+4) \times (4 \times 4 \times 44 + 4) + 4/4 \\
&:= 5^5 + ((5-5/5) \times ((55+5^5)/5)) \\
&:= (6 \times (((6 \times 6/(6+6))^6) + 6 \times 6 \times 6)) - 6/6 \\
&:= ((7 \times 7 - 7) \times (((7+7)/7)^7 + 7)) - 7/7 \\
&:= 8 \times 8 \times 88 + 888/(8+8+8) \\
&:= 9 \times (9 \times 9 \times 9 - 99) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5670 &:= (11-1) \times (11 + ((1+1111)/(1+1))) \\
&:= 2 + ((2 \times (2+2+2)^2)^2 + 22^2) \\
&:= 3^3 \times ((3+3)^3 - (3+3)) \\
&:= (44+4/4) \times ((4^4 - 4)/(4+4)/4) \\
&:= (5-5/5+5) \times (5^5/5+5) \\
&:= 6 \times (((6 \times 6/(6+6))^6) + 6 \times 6 \times 6) \\
&:= (7 \times 7 - 7) \times (((7+7)/7)^7 + 7) \\
&:= (8 \times 8 - 8/8) \times ((8+8)/8 + 88) \\
&:= 9 \times (9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5671 &:= 1 + ((11-1) \times (11 + ((1+1111)/(1+1)))) \\
&:= 22 \times (2^{2 \times (2+2)} + 2) - 2/2 - 2 - 2 \\
&:= 3/3 + (3^3 \times ((3+3)^3 - (3+3))) \\
&:= (4^4 - 44)/4 \times (444/4 - 4) \\
&:= 5 + (5555 + 555/5) \\
&:= 6/6 + (6 \times (((6 \times 6/(6+6))^6) + 6 \times 6 \times 6)) \\
&:= 7 + ((7 \times 7 - 7/7) \times (777/7 + 7)) \\
&:= 8 + (((8/8 + 8 \times 8) \times (88 - 8/8)) + 8) \\
&:= 9/9 + 9 \times (9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5672 &:= 111 + ((11+11111)/(1+1)) \\
&:= 22 \times (2^{2 \times (2+2)} + 2) - 2 - 2 \\
&:= 3 + 3^3 \times ((3+3)^3 - 3 - 3) - 3/3 \\
&:= 4 + (4+4) \times (4 \times 4 \times 44 + 4) + 4 \\
&:= 5 + ((555+5)/5 + 5555) \\
&:= (6+6)/6 + (6 \times (((6 \times 6/(6+6))^6) + 6 \times 6 \times 6)) \\
&:= 77777/7 - 7 \times 777 \\
&:= 8 \times (8 \times 88 + 8) - 8 - 8 - 8 \\
&:= (9+9)/9 + 9 \times (9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5673 &:= 1 + (111 + ((11 + 11111)/(1 + 1))) \\
&:= 22 \times (2^{2 \times (2+2)} + 2) - 2/2 - 2 \\
&:= 3 + (3^3 \times ((3 + 3)^3 - (3 + 3))) \\
&:= (((4 - 4/4)^4 - 4)^{(4+4)/4}) - 4^4 \\
&:= 5 + ((555 + 5 + 5)/5 + 5555) \\
&:= 6 + (((66/6 + 6) \times 666 \times 6/(6 + 6)) + 6) \\
&:= 77 \times 77 - (((7 + 7)/7)^{7+7/7}) \\
&:= (88/8 - 8)^8 - 888 \\
&:= (9 + 9 + 9)/9 + 9 \times (9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5674 &:= ((1 + 11) \times ((11 + 11)^{1+1}) - 11) - 1 - 1 \\
&:= 22 \times (2^{2 \times (2+2)} + 2) - 2 \\
&:= 3 + ((3^3 \times ((3 + 3)^3 - (3 + 3))) + 3/3) \\
&:= 4 + ((44 + 4/4) \times ((4^4 - 4)/((4 + 4)/4))) \\
&:= 5 \times 5 \times 5 + (5555 - (5/5 + 5)) \\
&:= 66 + (6 \times 6 \times (6 \times 6 + 6) + (((6 + 6)/6)^{6+6})) \\
&:= 7 \times 7 + ((77 - (7 + 7)/7)^{(7+7)/7}) \\
&:= 8/8 + ((88/8 - 8)^8 - 888) \\
&:= (9 \times 9 - 9)/(9 + 9) + 9 \times (9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5675 &:= ((1 + 11) \times ((11 + 11)^{1+1}) - 11) - 1 \\
&:= 22 \times (2^{2 \times (2+2)} + 2) - 2/2 \\
&:= 3 + (((3^3 \times ((3 + 3)^3 - (3 + 3))) - 3/3) + 3) \\
&:= 44 + ((4 \times 4 \times (4 + 4) \times 44) - 4/4) \\
&:= 5 \times 5 \times 5 + ((5 + 5) \times 555) \\
&:= (6 \times 6 - 66/6) \times (6 \times 6 \times 6 + 66/6) \\
&:= 7 + ((777/7 \times ((7 + 7)/7 + 7 \times 7)) + 7) \\
&:= 8 + (((8 \times 8 \times 88 + (88/8)) + 8) + 8) + 8 \\
&:= (9 \times 9 + 9)/(9 + 9) + 9 \times (9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5676 &:= (1 + 11) \times ((11 + 11)^{1+1}) - 11 \\
&:= 22 \times (2^{2 \times (2+2)} + 2) \\
&:= 3 + ((3^3 \times ((3 + 3)^3 - (3 + 3))) + 3) \\
&:= 44 + (4 \times 4 \times (4 + 4) \times 44) \\
&:= 5 + ((5555 + 555/5) + 5) \\
&:= (66 + 66) \times (6 \times 6 + 6/6 + 6) \\
&:= 7 + (((7 \times 7 - 7) \times (((7 + 7)/7)^7 + 7)) - 7/7) \\
&:= 8 \times 8 \times 88 + (88/((8 + 8)/8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 99) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5677 &:= 1 + ((1 + 11) \times ((11 + 11)^{1+1}) - 11) \\
&:= 2/2 + 22 \times (2^{2 \times (2+2)} + 2) \\
&:= 3 + (((3^3 \times ((3 + 3)^3 - (3 + 3))) + 3/3) + 3) \\
&:= 44 + ((4 \times 4 \times (4 + 4) \times 44) + 4/4) \\
&:= 5555 + ((555 + 55)/5) \\
&:= 6/6 + ((66 + 66) \times (6 \times 6 + 6/6 + 6)) \\
&:= 7 + ((7 \times 7 - 7) \times (((7 + 7)/7)^7 + 7)) \\
&:= 8 \times (8 \times 88 + 8) - (88/8 + 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 99) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5678 &:= (1 + 1) \times (1111 + ((1 + 11)^{1+1+1})) \\
&:= 2 + 22 \times (2^{2 \times (2+2)} + 2) \\
&:= (33/3 + 3 + 3) \times (333 + 3/3) \\
&:= 44 + ((4 \times 4 \times (4 + 4) \times 44) + (4 + 4)/4) \\
&:= 5 \times 5 \times 5 + (5555 - ((5 + 5)/5)) \\
&:= (6 + 6)/6 + ((66 + 66) \times (6 \times 6 + 6/6 + 6)) \\
&:= ((77 - 7/7)^{(7+7)/7}) - 7 \times (7 + 7) \\
&:= 8 + ((8 \times 8 - 8/8) \times ((8 + 8)/8 + 88)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 99) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5679 &:= 1 + ((1 + 1) \times (1111 + ((1 + 11)^{1+1+1}))) \\
&:= 2 + (22 \times (2^{2 \times (2+2)} + 2) + 2/2) \\
&:= 3 \times ((3 \times (3 \times ((3 + 3)^3 - (3 + 3)))) + 3) \\
&:= (4 \times (4 \times ((4 + 4) \times 44 + 4) - 4) - 4/4) \\
&:= 5 \times 5 \times 5 + (5555 - 5/5) \\
&:= (6 \times 6/(6 + 6) + 6) \times ((666 - 6 \times 6) + 6/6) \\
&:= 7 + (77777/7 - 7 \times 777) \\
&:= 888/8 + (8 \times (8 \times 88 - 8)) \\
&:= 9 + 9 \times (9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5680 &:= ((1 + 1)^{1+1+1}) + (11 \times (1 + 11)^{1+1}) \\
&:= 2 + (22 \times (2^{2 \times (2+2)} + 2) + 2) \\
&:= (((3 + 3)^3 - 3)/3) \times (3 \times 3^3 - 3/3) \\
&:= 4 \times (4 \times ((4 + 4) \times 44 + 4) - 4) \\
&:= 5 \times 5 \times 5 + 5555 \\
&:= ((6 + 6)/6)^6 + (6 \times (6 + 6) \times (66 + 6 + 6)) \\
&:= 7 + (77 \times 77 - (((7 + 7)/7)^{7+7/7})) \\
&:= 8 \times (8 \times 88 + 8) - 8 - 8 \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5681 &:= 1 + (((1 + 1)^{1+1+1}) + (11 \times (1 + 11)^{1+1})) \\
&:= 2 + ((22 \times (2^{2 \times (2+2)} + 2) + 2/2) + 2) \\
&:= 33/3 + (3^3 \times ((3 + 3)^3 - (3 + 3))) \\
&:= 4/4 + (4 \times (4 \times ((4 + 4) \times 44 + 4) - 4)) \\
&:= 5/5 + (5555 + 5 \times 5 \times 5) \\
&:= 66 + ((6 \times (6 + 6) \times (66 + 6 + 6)) - 6/6) \\
&:= 7 + (((77 - (7 + 7)/7)^{(7+7)/7}) + 7 \times 7) \\
&:= 8 + ((88/8 - 8)^8 - 888) \\
&:= 99/9 + 9 \times (9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5682 &:= 11^{1+1} + ((11 + 11111)/(1 + 1)) \\
&:= 2 + ((22 \times (2^{2 \times (2+2)} + 2) + 2) + 2) \\
&:= 3 + ((3^3 \times ((3 + 3)^3 - (3 + 3))) + 3 \times 3) \\
&:= (4 + 4)/4 + (4 \times (4 \times ((4 + 4) \times 44 + 4) - 4)) \\
&:= 5 \times 5 \times 5 + (5555 + ((5 + 5)/5)) \\
&:= 66 + (6 \times (6 + 6) \times (66 + 6 + 6)) \\
&:= (7 \times ((77 - (7 + 7)) + 7 \times 7)) - (7 + 7)/7 \\
&:= (8 + 8)/8 + (8 \times (8 \times 88 + 8) - (8 + 8)) \\
&:= (99 + 9)/9 + 9 \times (9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5683 &:= 1 + (11^{1+1} + ((11 + 11111)/(1 + 1))) \\
&:= 2 + (((22 \times (2^{2 \times (2+2)} + 2) + 2/2) + 2) + 2) \\
&:= 3 + (((3 + 3)^3 - 3)/3) \times (3 \times 3^3 - 3/3) \\
&:= 4 + ((4 \times (4 \times ((4 + 4) \times 44 + 4) - 4) - 4/4) \\
&:= 5 + ((5555 - ((5 + 5)/5)) + 5 \times 5 \times 5) \\
&:= 66 + ((6 \times (6 + 6) \times (66 + 6 + 6)) + 6/6) \\
&:= (7 \times ((777 - (7 + 7)) + 7 \times 7)) - 7/7 \\
&:= 8 \times (8 \times 88 + 8) - (88 + 8 + 8)/8 \\
&:= ((99 + 9 + 9)/9) + 9 \times (9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5684 &:= (1 + (1 + 1 + 11)) \times ((11 \times (111/(1 + 1 + 1))) - 1) \\
&:= 2 \times (2 + 2) + 22 \times (2^{2 \times (2+2)} + 2) \\
&:= 3 + ((3^3 \times ((3 + 3)^3 - (3 + 3))) + 33/3) \\
&:= 4 + (4 \times (4 \times ((4 + 4) \times 44 + 4) - 4)) \\
&:= 5 + ((5555 - 5/5) + 5 \times 5 \times 5) \\
&:= 66 + ((6 \times (6 + 6) \times (66 + 6 + 6)) + ((6 + 6)/6)) \\
&:= 7 \times ((777 - (7 + 7)) + 7 \times 7) \\
&:= 8 \times (8 \times 88 + 8) - (88 + 8)/8 \\
&:= (99 - 9/9) \times (((9 \times 99 - 9)/(9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5685 &:= ((1 + 11) \times ((11 + 11)^{1+1}) - 11) - 111 \\
&:= 22/2 + (22 \times (2^{2 \times (2+2)} + 2) - 2) \\
&:= (3 \times (3 + 3))^3 + (3 + 3) \times (3 - 3^3) - 3 \\
&:= 4 \times 4 \times ((4 + 4) \times 44 + 4) - 44/4 \\
&:= 5 + (5555 + 5 \times 5 \times 5) \\
&:= 66 + (((666/6 - 6 \times 6)^{(6+6)/6}) - 6) \\
&:= 7/7 + (7 \times ((777 - (7 + 7)) + 7 \times 7)) \\
&:= 8 \times (8 \times 88 + 8) - 88/8 \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 99) - ((9 + 9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5686 &:= (11 \times (11 \times (1 + ((1 + 1) \times (1 + (11 + 11)))))) - 1 \\
&:= 2 + (22 \times (2^{2 \times (2+2)} + 2) + 2 \times (2 + 2)) \\
&:= (3 - 3/3) \times ((33/3 + 3)^3 + 3 \times 33) \\
&:= 4 \times 4 \times ((4 + 4) \times 44 + 4) + (4 - 44)/4 \\
&:= 5 + ((5555 + 5 \times 5 \times 5) + 5/5) \\
&:= ((6 + 6) \times (6 \times (66 + 6 + 6) + 6)) - (6 + 6)/6 \\
&:= (7 + 7)/7 + (7 \times ((777 - (7 + 7)) + 7 \times 7)) \\
&:= (8 - 88)/8 + 8 \times (8 \times 88 + 8) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 99) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5687 &:= 11 \times (11 \times (1 + ((1 + 1) \times (1 + (11 + 11)))))) \\
&:= 22/2 + 22 \times (2^{2 \times (2+2)} + 2) \\
&:= (33/3)^3 + (3 + 3) \times (3^{3+3} - 3) \\
&:= 44/4 \times (((4/4 + 4^4) + 4^4) + 4) \\
&:= 5 + ((5555 + 5 \times 5 \times 5) + ((5 + 5)/5)) \\
&:= ((6 + 6) \times (6 \times (66 + 6 + 6) + 6)) - 6/6 \\
&:= (7 \times 7 - (7 + 7)/7) \times (((7 + 7)/7)^7 - 7) \\
&:= 8 \times (8 \times 88 + 8) - (8/8 + 8) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 99) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5688 &:= (1+11) \times (1 + (((11+11)^{1+1}) - 11)) \\
&:= 2 \times (2 \times (((2+2+2)^2 + 2)^2 - 22)) \\
&:= (3+3) \times ((3^{3+3} + (3+3)^3) + 3) \\
&:= (4 \times 4 \times (4+4) \times 44 + 4) - 4 - 4 \\
&:= (5 - 5/5 + 5) \times ((5^5 + 5 + 5)/5 + 5) \\
&:= (6+6) \times (6 \times (66+6+6) + 6) \\
&:= (7/7 + 7) \times ((77/7 - 77) + 777) \\
&:= 8 \times (8 \times 88 + 8) - 8 \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5689 &:= 1 + ((1+11) \times (1 + (((11+11)^{1+1}) - 11))) \\
&:= 2 + (22 \times (2^{2 \times (2+2)} + 2) + 22/2) \\
&:= 3/3 + (((3+3) \times (3 - 3^3)) + (3 \times (3+3)^3)) \\
&:= 4 + ((4 \times 4 \times (4+4) \times 44 + 4) - 44/4) \\
&:= 55 + ((5 - 5/5 + 5) \times (5^5 + 5)/5) \\
&:= 6/6 + ((6+6) \times (6 \times (66+6+6) + 6)) \\
&:= 77 \times (77 + 7) - (((7+7)/7) + 777) \\
&:= 8/8 + (8 \times (8 \times 88 + 8) - 8) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 99) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5690 &:= 1 + (1 + ((1+11) \times (1 + (((11+11)^{1+1}) - 11)))) \\
&:= 2 + (2 \times (2 \times (((2+2+2)^2 + 2)^2 - 22))) \\
&:= 3 + (((3+3) \times (3^{3+3} - 3)) + (33/3)^3) \\
&:= (4+4)/4 \times (((4-4/4) + 4)^4) + 444 \\
&:= 5^5 + (5^5 - (555 + 5)) \\
&:= (6+6)/6 + ((6+6) \times (6 \times (66+6+6) + 6)) \\
&:= 77 \times (77 + 7) - (777 + 7/7) \\
&:= (8+8)/8 + (8 \times (8 \times 88 + 8) - 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 99) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5691 &:= ((1+1)^{1+11}) + (11 \times (1 + (1+11)^{1+1})) \\
&:= 2 + 22 \times (2^{2 \times (2+2)} + 2) + 22/2 + 2 \\
&:= ((3^3 - 3/3) \times ((3+3)^3 + 3)) - 3 \\
&:= 4 \times 4 \times ((4+4) \times 44 + 4) - 4 - 4/4 \\
&:= 5 \times 5 + (5555 + 555/5) \\
&:= 66 + ((666/6 - 6 \times 6)^{(6+6)/6}) \\
&:= 77 \times (77 + 7) - 777 \\
&:= 88/8 + (8 \times (8 \times 88 + 8) - (8+8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 99) + (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5692 &:= ((11 \times (11 + (1+1)^{11-1})) - 1)/(1+1) \\
&:= 2^{2+2} + 22 \times (2^{2 \times (2+2)} + 2) \\
&:= 3^3 + (33/3 \times (((3-3/3)^{3 \times 3}) + 3)) \\
&:= 4 \times 4 \times ((4+4) \times 44 + 4) - 4 \\
&:= 5 \times 5 + ((555 + 5)/5 + 5555) \\
&:= 6 + (((6+6) \times (6 \times (66+6+6) + 6)) - ((6+6)/6)) \\
&:= 7/7 + (77 \times (77 + 7) - 777) \\
&:= 8 \times (8 \times 88 + 8) - 8 \times 8/(8+8) \\
&:= ((99+99)/9) + 9 \times (9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5693 &:= (1 + (11 \times (11 + (1+1)^{11-1}))) / (1+1) \\
&:= 2/2 + 2^{2+2} + 22 \times (2^{2 \times (2+2)} + 2) \\
&:= ((3^3 - 3/3) \times ((3+3)^3 + 3)) - 3/3 \\
&:= 4 \times 4 \times ((4+4) \times 44 + 4) - 4 + 4/4 \\
&:= 5^5 + (5^5 - (555 + (5+5)/5)) \\
&:= 6 + (((6+6) \times (6 \times (66+6+6) + 6)) - 6/6) \\
&:= ((7/7 - 77) \times ((7+7)/7 - 77)) - 7 \\
&:= 8 + (8 \times (8 \times 88 + 8) - (88/8)) \\
&:= 9 + ((99 - 9/9) \times (((9 \times 99 - 9)/(9+9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5694 &:= 1 + ((1 + (11 \times (11 + (1+1)^{11-1}))) / (1+1)) \\
&:= (22/2 + 2) \times (2 \times (222 - 2) - 2) \\
&:= (3^3 - 3/3) \times ((3+3)^3 + 3) \\
&:= 4 \times 4 \times ((4+4) \times 44 + 4) - (4+4)/4 \\
&:= 5^5 + (5^5 - (555 + 5/5)) \\
&:= 6 + ((6+6) \times (6 \times (66+6+6) + 6)) \\
&:= (7/7 + 77) \times ((77 - 77/7) + 7) \\
&:= 8 \times (8 \times 88 + 8) - (8+8)/8 \\
&:= ((9/9 - 9) + 9 \times 9) \times (9 \times 9 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5695 &:= 1 + (1 + ((1 + (11 \times (11 + (1+1)^{11-1}))) / (1+1))) \\
&:= (2 \times (2 \times 22))^2 - 2^{22/2} - 2/2 \\
&:= 3/3 + ((3^3 - 3/3) \times ((3+3)^3 + 3)) \\
&:= 4 \times 4 \times ((4+4) \times 44 + 4) - 4/4 \\
&:= 5^5 + (5^5 - 555) \\
&:= 6 + (((6+6) \times (6 \times (66+6+6) + 6)) + 6/6) \\
&:= 7 \times 777 + (((7+7)/7)^{7/7+7}) \\
&:= 8 \times (8 \times 88 + 8) - 8/8 \\
&:= 9 \times 9 + (((99/9) \times ((9+9)/9)^9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5696 &:= ((11 \times (1+1)^{1+1+1})^{1+1}) - (1+1)^{11} \\
&:= (2 \times (2 \times 22))^2 - 2^{22/2} \\
&:= ((3/3 + 3)^3) \times (3 \times (3^3 + 3) - 3/3) \\
&:= 4 \times 4 \times ((4+4) \times 44 + 4) \\
&:= 5^5 + ((5^5 - 555) + 5/5) \\
&:= ((6+6)/6)^6 \times ((66/6 + 66 + 6) + 6) \\
&:= (77 \times (77 - ((7+7+7)/7))) - (7+7)/7 \\
&:= 8 \times (8 \times 88 + 8) \\
&:= (9 - 9/9) \times ((9 \times 9 \times 9 - (9+9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5697 &:= ((1+11) \times ((11+11)^{1+1})) - 111 \\
&:= 22 + 22 \times (2^{2 \times (2+2)} + 2) - 2/2 \\
&:= 3 + ((3^3 - 3/3) \times ((3+3)^3 + 3)) \\
&:= 4 \times 4 \times ((4+4) \times 44 + 4) + 4/4 \\
&:= 5^5 + (((5+5)/5 - 555) + 5^5) \\
&:= 6 + (((666/6 - 6 \times 6)^{(6+6)/6}) + 66) \\
&:= (77 \times (77 - ((7+7+7)/7))) - 7/7 \\
&:= 8/8 + 8 \times (8 \times 88 + 8) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 99) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5698 &:= 11 \times ((1+11+11)^{1+1} - 11) \\
&:= 22 + 22 \times (2^{2 \times (2+2)} + 2) \\
&:= 33/3 \times (((3-3/3)^{3 \times 3}) + 3) + 3) \\
&:= 4 \times 4 \times ((4+4) \times 44 + 4) + (4+4)/4 \\
&:= (5+5)/5 \times (5^5 - (5 \times 55 + 5/5)) \\
&:= ((6+6)/6 + 6 + 6) \times (6 \times 66 + (66/6)) \\
&:= 77 \times (77 - ((7+7+7)/7)) \\
&:= (8+8)/8 + 8 \times (8 \times 88 + 8) \\
&:= 9 + (((9 \times (9 \times 9 \times 9 - 99) + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5699 &:= 1 + (11 \times ((1+11+11)^{1+1} - 11)) \\
&:= 22 + 22 \times (2^{2 \times (2+2)} + 2) + 2/2 \\
&:= 3 + (((3-3/3)^{3 \times 3}) + (3 \times (3 \times 3 + 3)^3)) \\
&:= 4 \times 4 \times ((4+4) \times 44 + 4) + 4 - 4/4 \\
&:= ((5+5) \times (5^5/5 - 55)) - 5/5 \\
&:= 66/6 + ((6+6) \times (6 \times (66+6+6) + 6)) \\
&:= ((77 - 7/7)^{(7+7)/7}) - 77 \\
&:= 88/8 + (8 \times (8 \times 88 + 8) - 8) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 99) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5700 &:= (11-1)^{1+1} \times (1 + (1+111)/(1+1)) \\
&:= 2 + 22 \times (2^{2 \times (2+2)} + 2) + 22 \\
&:= (3 \times (3+3))^3 - (3 \times 33 + 33) \\
&:= 4 + 4 \times 4 \times ((4+4) \times 44 + 4) \\
&:= (5+5) \times (5^5/5 - 55) \\
&:= 6 + (((6+6) \times (6 \times (66+6+6) + 6)) + 6) \\
&:= (7/7 - 77) \times ((7+7)/7 - 77) \\
&:= 8 \times 8/(8+8) + 8 \times (8 \times 88 + 8) \\
&:= 999/9 + 9 \times (9 \times 9 \times 9 - 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5701 &:= 1 + ((11-1)^{1+1} \times (1 + (1+111)/(1+1))) \\
&:= 2 + ((22 \times (2^{2 \times (2+2)} + 2) + 22) + 2/2) \\
&:= 3 + (33/3 \times (((3-3/3)^{3 \times 3}) + 3) + 3) \\
&:= 4 + 4 \times 4 \times ((4+4) \times 44 + 4) + 4/4 \\
&:= 5/5 + ((5+5) \times (5^5/5 - 55)) \\
&:= 6 + (((6+6) \times (6 \times (66+6+6) + 6)) + 6/6) + 6) \\
&:= 7 + ((7/7 + 77) \times ((77 - 77/7) + 7)) \\
&:= 8 + ((8 \times (8 \times 88 + 8) - (88/8)) + 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 99) + ((99+99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5702 &:= 1 + (1 + ((11-1)^{1+1} \times (1 + (1+111)/(1+1)))) \\
&:= 2 + ((22 \times (2^{2 \times (2+2)} + 2) + 22) + 2) \\
&:= (33/3)^3 + (((3+3) \times 3^{3+3}) - 3) \\
&:= 4 + 4 \times 4 \times ((4+4) \times 44 + 4) + (4+4)/4 \\
&:= (5+5)/5 + ((5+5) \times (5^5/5 - 55)) \\
&:= 6 + (((6+6)/6)^6 \times ((66/6 + 66 + 6) + 6)) \\
&:= 77 + ((77 - (7+7)/7)^{(7+7)/7}) \\
&:= 8 + (8 \times (8 \times 88 + 8) - ((8+8)/8)) \\
&:= 9 \times 9 + ((99/9) \times (((9+9)/9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5703 &:= 11 + (((11 \times (11 + (1 + 1)^{11-1})) - 1) / (1 + 1)) \\
&:= (22 - 2)^2 + (((22 \times (22^2 - 2) + 2) / 2) \\
&:= 33 + (3^3 \times ((3 + 3)^3 - (3 + 3))) \\
&:= 4 + 4 \times 4 \times ((4 + 4) \times 44 + 4) + 4 - 4/4 \\
&:= 5 + ((5 + 5) / 5 \times (5^5 - (5 \times 55 + 5/5))) \\
&:= 6 \times 6 \times 66 + (6666 \times 6 / (6 + 6) - 6) \\
&:= 77 \times 77 - (((7 + 7) / 7)^7 + 7 \times (7 + 7)) \\
&:= 8 + (8 \times (8 \times 88 + 8) - 8/8) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - ((999/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5704 &:= 11 + ((1 + (11 \times (11 + (1 + 1)^{11-1}))) / (1 + 1)) \\
&:= 2 \times ((2 \times 22 + 2) \times (2^{2+2+2} - 2)) \\
&:= (3 \times (3 + 3))^3 - ((3 - 3/3 + 3)^3 + 3) \\
&:= 4 + 4 \times 4 \times ((4 + 4) \times 44 + 4) + 4 \\
&:= 5 + (((5 + 5) \times (5^5/5 - 55)) - 5/5) \\
&:= 6 + (((6 + 6) / 6 + 6 + 6) \times (6 \times 66 + (66/6))) \\
&:= (7 \times (777 + 7 \times 7)) - 7/7 - 77 \\
&:= 8 + 8 \times (8 \times 88 + 8) \\
&:= 9 \times 9 + (((99/9) \times ((9 + 9) / 9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5705 &:= ((11 \times (11 - 1 - 1))^{1+1}) - ((1 + 1)^{1+11}) \\
&:= ((22/2 + 2) \times (((22 - 2/2)^2) - 2)) - 2 \\
&:= (33/3)^3 + ((3 + 3) \times 3^{3+3}) \\
&:= 4 + 4 \times 4 \times ((4 + 4) \times 44 + 4) + 4 + 4/4 \\
&:= 5 + ((5 + 5) \times (5^5/5 - 55)) \\
&:= (6 - 6/6) \times (((6666/6) - 6) + 6 \times 6) \\
&:= (7 \times (777 + 7 \times 7)) - 77 \\
&:= 8 + (8 \times (8 \times 88 + 8) + 8/8) \\
&:= 9 + ((9 \times 9 - 9)^{(9+9)/9} + ((9 + 9) / 9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5706 &:= 1 + (((11 \times (11 - 1 - 1))^{1+1}) - ((1 + 1)^{1+11})) \\
&:= 2 + (2 \times ((2 \times 22 + 2) \times (2^{2+2+2} - 2))) \\
&:= 3 \times ((3 \times (3 \times (3 + 3)^3 - 3)) - 33) \\
&:= 4 \times 4 \times ((4 + 4) \times 44 + 4) + (44 - 4) / 4 \\
&:= 5 + (((5 + 5) \times (5^5/5 - 55)) + 5/5) \\
&:= 6 \times (((6 \times 6 / (6 + 6))^6) + 6 \times 6 \times 6) + 6 \\
&:= 7 + (((77 - 7/7)^{(7+7)/7}) - 77) \\
&:= 8 + (8 \times (8 \times 88 + 8) + ((8 + 8) / 8)) \\
&:= 9 + (((9 \times (9 \times 9 \times 9 - 99) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5707 &:= (1 + 1 + 11) \times (((11 + (11 - 1))^{1+1}) - (1 + 1)) \\
&:= (22/2 + 2) \times (((22 - 2/2)^2) - 2) \\
&:= (3 \times (3 + 3))^3 - (3 - 3/3 + 3)^3 \\
&:= 4 \times 4 \times ((4 + 4) \times 44 + 4) + 44/4 \\
&:= 5 + (((5 + 5) \times (5^5/5 - 55)) + ((5 + 5) / 5)) \\
&:= 666 + (((66 - 6/6) + 6)^{(6+6)/6}) \\
&:= 7 + ((7/7 - 77) \times ((7 + 7) / 7 - 77)) \\
&:= 88/8 + 8 \times (8 \times 88 + 8) \\
&:= 9 + (((9 \times (9 \times 9 \times 9 - 99) + 9/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5708 &:= (11 \times (1 + 11 + 11)^{1+1}) - 111 \\
&:= 2 \times (((22 + 2) \times ((22/2)^2 - 2)) - 2) \\
&:= 3 + (((3 + 3) \times 3^{3+3}) + (33/3)^3) \\
&:= 4 \times 4 \times ((4 + 4) \times 44 + 4) + (44 + 4) / 4 \\
&:= (5 + 5) / 5 \times ((5^5 - (5 \times 55 + 5/5)) + 5) \\
&:= 6 + (((6 + 6) / 6)^6 \times ((66/6 + 66 + 6) + 6)) + 6 \\
&:= 7 \times 777 + ((7 \times 7 \times 77 - 7) / (7 + 7)) \\
&:= ((88 + 8) / 8) + 8 \times (8 \times 88 + 8) \\
&:= 9 + (((9 \times (9 \times 9 \times 9 - 99) + (99/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5709 &:= 11 \times (1 + ((1 + 11 + 11)^{1+1} - 11)) \\
&:= 2 + ((22/2 + 2) \times (((22 - 2/2)^2) - 2)) \\
&:= 33 \times ((3 + 3) \times 3^3 + 33/3) \\
&:= 44/4 \times (((4 + 4) \times (4^4 + 4) - 4) / 4) \\
&:= 55/5 \times ((5^5 - 555) / 5 + 5) \\
&:= 6 \times 6 \times 66 + 6666 \times 6 / (6 + 6) \\
&:= 7 + (((77 - (7 + 7) / 7)^{(7+7)/7}) + 77) \\
&:= 88 + (8 \times 8 \times 88 - (88/8)) \\
&:= 99/9 \times (((9 + 9) / 9)^9 - ((9 + 9) / 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5710 &:= 1 + (11 \times (1 + ((1 + 11 + 11)^{1+1} - 11))) \\
&:= (2 \times ((22 + 2) \times ((22/2)^2 - 2))) - 2 \\
&:= 3 + ((3 \times (3 + 3))^3 - (3 - 3/3 + 3)^3) \\
&:= (4 \times (4 \times ((4 + 4) \times 44 + 4) + 4)) - (4 + 4) / 4 \\
&:= (5 + 5) \times ((5^5 + 5) / 5 - 55) \\
&:= (((6 + 6) / 6)^6 + 6) + 6)^{(6+6)/6} - 66 \\
&:= 7 \times 7 + (777/7 \times ((7 + 7) / 7 + 7 \times 7)) \\
&:= 8 + ((8 \times (8 \times 88 + 8) - ((8 + 8) / 8)) + 8) \\
&:= 9999/9 + (9 \times ((9 + 9) / 9)^9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5711 &:= (1 + 1)^{11} + (11 \times (1 + 1 + 1) \times 111) \\
&:= ((2^{2+2} + 2)^{2/2+2}) - (22/2)^2 \\
&:= (3 \times (3 + 3))^3 + ((3 - 3^{3+3}) / (3 + 3)) \\
&:= (4 \times (4 \times ((4 + 4) \times 44 + 4) + 4)) - 4/4 \\
&:= 5/5 + ((5 + 5) \times ((5^5 + 5) / 5 - 55)) \\
&:= 6 + ((6 - 6/6) \times (((6666/6) - 6) + 6 \times 6)) \\
&:= 7 + ((7 \times (777 + 7 \times 7)) - (7/7 + 77)) \\
&:= 8 + ((8 \times (8 \times 88 + 8) - 8/8) + 8) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (((999 + 9) / 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5712 &:= (1 + 1 + 1) \times ((1 + 1)^{11} - (1 + 11)^{1+1}) \\
&:= 2 \times ((22 + 2) \times ((22/2)^2 - 2)) \\
&:= (333 + 3) \times (33/3 + 3 + 3) \\
&:= 4 \times (4 \times ((4 + 4) \times 44 + 4) + 4) \\
&:= (5 \times 5 - 5/5) \times (((5 - (5 + 5) / 5)^5) - 5) \\
&:= (6 + 6) \times ((6/6 + 6) \times (((6 + 6) / 6) + 66)) \\
&:= 7 + ((7 \times (777 + 7 \times 7)) - 77) \\
&:= 8 + (8 \times (8 \times 88 + 8) + 8) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5713 &:= 1 + ((1 + 1 + 1) \times ((1 + 1)^{11} - (1 + 11)^{1+1})) \\
&:= 2/2 + (2 \times ((22 + 2) \times ((22/2)^2 - 2))) \\
&:= 3 + (((3 \times (3 + 3))^3 - (3 - 3/3 + 3)^3) + 3) \\
&:= 4/4 + (4 \times (4 \times ((4 + 4) \times 44 + 4) + 4)) \\
&:= 5 + ((5 + 5) / 5 \times ((5^5 - (5 \times 55 + 5/5)) + 5)) \\
&:= (((66/6 + 66)^{(6+6)/6}) - 6 \times 6 \times 6) \\
&:= 7 + (((77 - 7/7)^{(7+7)/7}) - 77) + 7) \\
&:= 8 + ((8 \times (8 \times 88 + 8) + 8/8) + 8) \\
&:= 9 \times 9 + ((99/9) \times ((9 + 9) / 9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5714 &:= (1 + 1)^{11} + ((1 + 1 + 1) \times (1 + 11 \times 111)) \\
&:= 2 + (2 \times ((22 + 2) \times ((22/2)^2 - 2))) \\
&:= 3 + (((3 - 3^{3+3}) / (3 + 3)) + (3 \times (3 + 3))^3) \\
&:= (4 + 4) / 4 + (4 \times (4 \times ((4 + 4) \times 44 + 4) + 4)) \\
&:= 5 + (55/5 \times ((5^5 - 555) / 5 + 5)) \\
&:= ((66/6) \times (((6 + 6) / 6 + 6) \times (66 - 6/6))) - 6 \\
&:= 7 + (((7/7 - 77) \times ((7 + 7) / 7 - 77)) + 7) \\
&:= 8 + ((8 \times (8 \times 88 + 8) + ((8 + 8) / 8)) + 8) \\
&:= 9/9 + (((99/9) \times ((9 + 9) / 9)^9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5715 &:= (1 + 1 + 1) \times (1 + ((1 + 1)^{11} - (1 + 11)^{1+1})) \\
&:= (2 \times 22 + 2/2) \times ((2^{2 \times (2+2)} - 2) / 2) \\
&:= 3 \times ((3 \times ((3 \times ((3 + 3)^3 - 3)) - 3)) - 3) \\
&:= (44 + 4/4) \times (444/4 + 4 \times 4) \\
&:= 5 + ((5 + 5) \times ((5^5 + 5) / 5 - 55)) \\
&:= 6 + (6666 \times 6 / (6 + 6) + 6 \times 6 \times 66) \\
&:= (7/7 + 7 + 7) \times (7 \times (7 \times 7 + 7) - (77/7)) \\
&:= 8 + (8 \times (8 \times 88 + 8) + (88/8)) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5716 &:= (1 + 1) \times ((1 + 1) \times (((1 + 1 + 11) \times (111 - 1)) - 1)) \\
&:= 2 \times (((22 + 2) \times ((22/2)^2 - 2)) + 2) \\
&:= 3 \times 3 + ((3 \times (3 + 3))^3 - (3 - 3/3 + 3)^3) \\
&:= 4 + (4 \times (4 \times ((4 + 4) \times 44 + 4) + 4)) \\
&:= 5 + (((5 + 5) \times ((5^5 + 5) / 5 - 55)) + 5/5) \\
&:= 6 + (((6 + 6) / 6)^6 + 6) + 6)^{(6+6)/6} - 66 \\
&:= 77/7 + ((7 \times (777 + 7 \times 7)) - 77) \\
&:= 8 + (8 \times (8 \times 88 + 8) + ((88 + 8) / 8)) \\
&:= 9/9 + (9 \times 9 \times (9 \times 9 - 9) - (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5717 &:= (1 + ((1 + 111)^{1+1} - 1111)) / (1 + 1) \\
&:= (22 \times ((2^{2 \times (2+2)} + 2) + 2)) - 2/2 - 2 \\
&:= (3 \times (3 + 3))^3 - (((333 + 3) / 3) + 3) \\
&:= 4 + ((4 \times (4 \times ((4 + 4) \times 44 + 4) + 4)) + 4/4) \\
&:= 5^5 + ((5/5 + 5)^5 / (5 - (5 + 5) / 5)) \\
&:= (6 \times (6 \times (66 + 6))) + ((6 - 6/6)^{6-6/6}) \\
&:= 77 \times 77 - (((7 + 7) / 7)^7 + 77) + 7) \\
&:= 8 + ((8 \times 8 \times 88 - (88/8)) + 88) \\
&:= ((9 - 9/9) \times (9 \times 9 \times 9 - ((9 + 9) / 9))) - 99
\end{aligned}$$

- 5718 := $(1+1) \times (((1+1) \times ((1+1+11) \times (111-1))) - 1)$
:= $(22 \times ((2^{2 \times (2+2)} + 2) + 2)) - 2$
:= $(3^3 \times ((3+3)^3 - 3)) - 33$
:= $(4+4)/4 \times ((44 \times (4^4 + 4)/4) - 4/4)$
:= $(5^5 - 5 - 5)/5 + (5 \times ((5-5/5)^5 - 5))$
:= $66 + (66 \times 66 + 6 \times 6 \times 6 \times 6)$
:= $7777 + ((7 \times (7 \times (7-7 \times 7))) - 7/7)$
:= $88 + (8 \times 8 \times 88 - ((8+8)/8))$
:= $9 \times ((9+9)/9)^9 + ((9999-9)/9)$
- 5719 := $(1 + (11 \times (1 + 11))) \times (((1+1) \times (11+11)) - 1)$
:= $(22 \times ((2^{2 \times (2+2)} + 2) + 2)) - 2/2$
:= $3/3 + ((3^3 \times ((3+3)^3 - 3)) - 33)$
:= $(44 \times ((4^4 + 4)/((4+4)/4))) - 4/4$
:= $(5^5 - 5)/5 + (5 \times ((5-5/5)^5 - 5))$
:= $(6 \times 6 + 6/6 + 6) \times (66 + 6/6 + 66)$
:= $7777 + (7 \times (7 \times (7-7 \times 7)))$
:= $88 + (8 \times 8 \times 88 - 8/8)$
:= $9999/9 + 9 \times ((9+9)/9)^9$
- 5720 := $(1+1) \times ((1+1) \times ((1+1+11) \times (111-1)))$
:= $22 \times ((2^{2 \times (2+2)} + 2) + 2)$
:= $(3 \times (3+3))^3 - ((333+3)/3)$
:= $44 \times ((4^4 + 4)/((4+4)/4))$
:= $55 \times (5^5 - 5)/(5 \times 5 + 5)$
:= $66/6 \times (((6+6)/6 + 6) \times (66 - 6/6))$
:= $((7 \times 7 - 7/7) + 7) \times (777/7 - 7)$
:= $88 + 8 \times 8 \times 88$
:= $99/9 \times (((9+9)/9)^9 - 9/9 + 9)$
- 5721 := $((1+1) \times (11-1-1))^{1+1+1} - 111$
:= $2/2 + (22 \times ((2^{2 \times (2+2)} + 2) + 2))$
:= $(3 \times (3+3))^3 - 333/3$
:= $4/4 + (44 \times ((4^4 + 4)/((4+4)/4)))$
:= $55 + (5555 + 555/5)$
:= $((6+6+6)^{6 \times 6/(6+6)} - 666/6)$
:= $(7 \times (7-777)) + 77777/7$
:= $8/8 + (8 \times 8 \times 88 + 88)$
:= $9 \times 9 \times (9 \times 9 - 9) - 999/9$
- 5722 := $((1+1) \times (11-1-1))^{1+1+1} - 111 + 1$
:= $2 + (22 \times ((2^{2 \times (2+2)} + 2) + 2))$
:= $(3 \times (3+3))^3 + ((3-333)/3)$
:= $(4+4)/4 + (44 \times ((4^4 + 4)/((4+4)/4)))$
:= $5 + (((5/5+5)^5/(5-(5+5)/5)) + 5^5)$
:= $(6^{6-6/6}) - (((6+6)/6)^{66/6}) + 6$
:= $(7 \times (777-7+7 \times 7)) - 77/7$
:= $88 + (8 \times 8 \times 88 + ((8+8)/8))$
:= $((99/9) \times (((9+9)/9)^9 + 9)) - 9$
- 5723 := $((((111 - (1+1+1+1))^{1+1}) - 1)/(1+1)) - 1$
:= $2 + ((22 \times ((2^{2 \times (2+2)} + 2) + 2)) + 2/2)$
:= $3 + ((3 \times (3+3))^3 - ((333+3)/3))$
:= $4 + ((44 \times ((4^4 + 4)/((4+4)/4))) - 4/4)$
:= $(5/5 + 5)^5 - (((5+5)/5)^{55/5} + 5)$
:= $(6 \times (6 \times (6 \times 6 + 6 + 6) + 666)) - 6/6$
:= $7 \times (7+7) + ((77 - (7+7)/7)^{(7+7)/7})$
:= $8 + ((8 \times (8 \times 88 + 8) + (88/8)) + 8)$
:= $9 \times 9 \times (9 \times 9 - 9) - (9/9 + 99 + 9)$
- 5724 := $((((111 - (1+1+1+1))^{1+1}) - 1)/(1+1))$
:= $2 + ((22 \times ((2^{2 \times (2+2)} + 2) + 2)) + 2)$
:= $3 \times (3 \times ((3 \times ((3+3)^3 - 3)) - 3))$
:= $4 + (44 \times ((4^4 + 4)/((4+4)/4)))$
:= $(5 - 5/5 + 5) \times ((55 + 5^5)/5)$
:= $6 \times (6 \times (6 \times 6 + 6 + 6) + 666)$
:= $77 \times 77 - (((7+7)/7)^7 + 77)$
:= $88 + (8 \times 8/(8+8) + 8 \times 8 \times 88)$
:= $9 \times 9 \times (9 \times 9 - 9) - (99 + 9)$
- 5725 := $(1 + ((111 - (1+1+1+1))^{1+1}))/ (1+1)$
:= $(22 - 2)^2 + (((22^{2/2+2}) + 2)/2)$
:= $3 + (((3 - 333)/3) + (3 \times (3+3))^3)$
:= $4 + ((44 \times ((4^4 + 4)/((4+4)/4))) + 4/4)$
:= $5 + (55 \times (5^5 - 5)/(5 \times 5 + 5))$
:= $6/6 + (6 \times (6 \times (6 \times 6 + 6 + 6) + 666))$
:= $(7 \times (777 - 7 + 7 \times 7)) - (7/7 + 7)$
:= $8 + (((8 \times 8 \times 88 - (88/8)) + 88) + 8)$
:= $9/9 + (9 \times 9 \times (9 \times 9 - 9) - (99 + 9))$
- 5726 := $1 + ((1 + ((111 - (1+1+1+1))^{1+1}))/ (1+1))$
:= $2 + (((22 \times ((2^{2 \times (2+2)} + 2) + 2)) + 2) + 2)$
:= $3 + (((3 \times (3+3))^3 - ((333+3)/3)) + 3)$
:= $((4+4) \times ((4 \times (4 \times 44 + 4)) - 4)) - (4+4)/4$
:= $5^5 + (((5/5-5) + 55)^{(5+5)/5})$
:= $6 + ((66/6) \times (((6+6)/6 + 6) \times (66 - 6/6)))$
:= $(7 \times (777 - 7 + 7 \times 7)) - 7$
:= $8 + ((8 \times 8 \times 88 - ((8+8)/8)) + 88)$
:= $(9+9)/9 + (9 \times 9 \times (9 \times 9 - 9) - (99 + 9))$
- 5727 := $1 + (1 + ((1 + ((111 - (1+1+1+1))^{1+1}))/ (1+1)))$
:= $2 + (((22^{2/2+2}) + 2)/2) + (22 - 2)^2$
:= $3 + (3 \times (3 \times ((3 \times ((3+3)^3 - 3)) - 3)))$
:= $((4+4) \times ((4 \times (4 \times 44 + 4)) - 4)) - 4/4$
:= $5^5 + (((5+5)/5)^5 - 555) + 5^5$
:= $666/6 + (6 \times (6+6) \times (66 + 6 + 6))$
:= $((77 - 7/7)^{(7+7)/7}) - 7 \times 7$
:= $8 + ((8 \times 8 \times 88 - 8/8) + 88)$
:= $((9+9)/9) + 9 \times 9 \times (9 \times 9 - (99+9)/9)$
- 5728 := $(1+1) \times ((1+1) \times ((111 \times (1+1+11)) - 11))$
:= $2 \times ((222 \times (22/2 + 2)) - 22)$
:= $3 + (((3 - 333)/3) + (3 \times (3+3))^3 + 3)$
:= $(4+4) \times ((4 \times (4 \times 44 + 4)) - 4)$
:= $(5/5 + 5)^5 - (((5+5)/5)^{55/5})$
:= $(6^{6-6/6}) - (((6+6)/6)^{66/6})$
:= $7/7 + (((77 - 7/7)^{(7+7)/7}) - 7 \times 7)$
:= $8 + (8 \times 8 \times 88 + 88)$
:= $9 + (9999/9 + 9 \times ((9+9)/9)^9)$
- 5729 := $1 + ((1+1) \times ((1+1) \times ((111 \times (1+1+11)) - 11)))$
:= $((22/2 + 2) \times ((22 - 2/2)^2)) - 2 - 2$
:= $(3 \times (3+3))^3 - ((3 \times 33 + 3/3) + 3)$
:= $4/4 + ((4+4) \times ((4 \times (4 \times 44 + 4)) - 4))$
:= $5 + ((5 - 5/5 + 5) \times ((55 + 5^5)/5))$
:= $((6 - 6/6) \times ((6666/6) + 6 \times 6)) - 6$
:= $7777 - (((7+7)/7)^{77/7})$
:= $8 + ((8 \times 8 \times 88 + 8/8) + 88)$
:= $9 + ((99/9) \times (((9+9)/9)^9 - 9/9 + 9))$
- 5730 := $(11-1) \times (((1+1) \times (1+11))^{1+1}) - (1+1+1)$
:= $2 + ((222 \times (22+2)) + (22-2)^2)$
:= $(3 \times (3+3))^3 - (3 \times 33 + 3)$
:= $(4+4)/4 + ((4+4) \times ((4 \times (4 \times 44 + 4)) - 4))$
:= $5555 + (5 \times ((5 \times 5 + 5) + 5))$
:= $6 + (6 \times (6 \times (6 \times 6 + 6 + 6) + 666))$
:= $(7 \times (777 - 7 + 7 \times 7)) - (7 + 7 + 7)/7$
:= $8 + ((8 \times 8 \times 88 + ((8+8)/8)) + 88)$
:= $9 + (9 \times 9 \times (9 \times 9 - 9) - 999/9)$
- 5731 := $11 \times (11 + ((1+1)^{11-1-1} - (1+1)))$
:= $((22/2 + 2) \times ((22 - 2/2)^2)) - 2$
:= $3/3 + ((3 \times (3+3))^3 - (3 \times 33 + 3))$
:= $44/4 \times (((4+4) \times (4^4 + 4) + 4)/4)$
:= $55/5 \times ((5^5 + 5/5)/(5/5 + 5))$
:= $6 + ((6 \times (6 \times (6 \times 6 + 6 + 6) + 666)) + 6/6)$
:= $77/7 \times (7 \times 77 - (77/7 + 7))$
:= $88 + (8 \times 8 \times 88 + (88/8))$
:= $99/9 \times (((9+9)/9)^9 + 9)$
- 5732 := $111 + (11 \times ((1+1)^{11-1-1} - 1))$
:= $2 \times ((2 \times ((2+2+2)^2 + 2)^2) - 22)$
:= $(3 \times (3+3))^3 - (3 \times 33 + 3/3)$
:= $4 + ((4+4) \times ((4 \times (4 \times 44 + 4)) - 4))$
:= $((5+5)/5)^5 + ((5+5) \times (5^5/5 - 55))$
:= $6 \times 66 + (((6+6)/6 + 6) \times (666 + 6/6))$
:= $(7 \times (777 - 7 + 7 \times 7)) - 7/7$
:= $88 + (((88+8)/8) + 8 \times 8 \times 88)$
:= $9 \times 9 \times (9 \times 9 - 9) - (9/9 + 99)$

$$\begin{aligned}
\blacktriangleright 5733 &:= (1+1+11) \times ((11+(11-1))^{1+1}) \\
&:= (22/2+2) \times ((22-2/2)^2) \\
&:= (3 \times (3+3))^3 - 3 \times 33 \\
&:= 4 + (((4+4) \times ((4 \times (4 \times 44+4) - 4)) + 4/4) \\
&:= (5-5/5+5) \times ((55+5^5+5)/5) \\
&:= (6/6+6) \times ((6/6+6) \times (666/6+6)) \\
&:= 7 \times (777-7+7 \times 7) \\
&:= 8 \times 8 \times 88 + (8888/88) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5734 &:= 1 + ((1+1+11) \times ((11+(11-1))^{1+1})) \\
&:= ((22+2) \times ((22^2-2)/2-2)) - 2 \\
&:= 3/3 + ((3 \times (3+3))^3 - 3 \times 33) \\
&:= (44-4/4+4) \times (444+44)/4 \\
&:= 5 \times (5-5/5)^5 + ((5^5-55)/5) \\
&:= 6 + ((6^{6-6/6}) - (((6+6)/6)^{66/6})) \\
&:= 7/7 + (7 \times (777-7+7 \times 7)) \\
&:= 8 \times 8 \times 88 + ((888-8)/8-8) \\
&:= 9/9 + (9 \times 9 \times (9 \times 9 - 9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5735 &:= 1 + (1 + ((1+1+11) \times ((11+(11-1))^{1+1}))) \\
&:= 2 + ((22/2+2) \times ((22-2/2)^2)) \\
&:= 3 + ((3 \times (3+3))^3 - (3 \times 33 + 3/3)) \\
&:= 4 + (44/4 \times (((4+4) \times (4^4+4) + 4)/4)) \\
&:= 55 + (5555 + 5 \times 5 \times 5) \\
&:= (6-6/6) \times ((6666/6) + 6 \times 6) \\
&:= (7+7)/7 + (7 \times (777-7+7 \times 7)) \\
&:= 888/8 + (8 \times 8 \times 88 - 8) \\
&:= (9+9)/9 + (9 \times 9 \times (9 \times 9 - 9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5736 &:= (1+1) \times ((1+11) \times (((1+1) \times (11^{1+1}-1)) - 1)) \\
&:= (22+2) \times ((22^2-2)/2-2) \\
&:= 3 + (3 \times (3+3))^3 - 3 \times 33 \\
&:= 4 + (((4+4) \times ((4 \times (4 \times 44+4) - 4)) + 4) \\
&:= 5^5 + (((555-5^5)/5) + 5^5) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 + 6 + 6) + 666)) + 6) \\
&:= 7 + (7777 - (((7+7)/7)^{77/7})) \\
&:= 8 + ((8 \times 8 \times 88 + 88) + 8) \\
&:= (9-9/9) \times (9 \times 9 \times 9 - (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5737 &:= 1 + ((1+1) \times ((1+11) \times (((1+1) \times (11^{1+1}-1)) - 1))) \\
&:= 2 + (((22/2+2) \times ((22-2/2)^2)) + 2) \\
&:= 3 + (3 \times (3+3))^3 - 3 \times 33 + 3/3 \\
&:= (4/4+4)^4 + (4^4 \times (4 \times 4 + 4) - (4+4)) \\
&:= 5^5 + (((555-5^5) + 5)/5) + 5^5 \\
&:= 6 \times 6 \times (6 \times 6 + 6) + (((66-6/6)^{(6+6)/6}) \\
&:= 77/7 + ((7 \times (777-7+7 \times 7)) - 7) \\
&:= 8 + (((8 \times 8 \times 88 + 8/8) + 88) + 8) \\
&:= 9 + ((9999/9 + 9 \times ((9+9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5738 &:= (1+1) \times (1 + ((1+11) \times (((1+1) \times (11^{1+1}-1)) - 1))) \\
&:= 2 + ((22+2) \times ((22^2-2)/2-2)) \\
&:= 3 + (3 \times (3+3))^3 - (3 \times 33 + 3/3) + 3 \\
&:= (4+4)/4 \times (((4/4+4)^{4+4/4}) - 4^4) \\
&:= 5 + ((5-5/5+5) \times ((55+5^5+5)/5)) \\
&:= ((6+6)/6 + 6 \times 6) \times (((6+6) \times (6+6) + 6/6) + 6) \\
&:= 7 + (77/7 \times (7 \times 77 - (77/7+7))) \\
&:= 8 + (((8 \times 8 \times 88 + ((8+8)/8)) + 88) + 8) \\
&:= 9 \times (9 \times (9 \times 9 - 9) - 9) - (99+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5739 &:= ((11-1) \times (((1+1) \times (1+11))^{1+1}) - 1) - 11 \\
&:= (2/2+2) \times ((2 \times 22)^2 - (22+2/2)) \\
&:= 3 + (3 \times (3+3))^3 - 3 \times 33 + 3 \\
&:= 44 + ((4 \times 4 \times (4+4) \times 44 + 4) - 4/4) \\
&:= (5^5-5)/5 + (5 \times (5-5/5)^5 - 5) \\
&:= 6 + ((6/6+6) \times ((6/6+6) \times (666/6+6))) \\
&:= 7 + ((7 \times (777-7+7 \times 7)) - 7/7) \\
&:= 8 + ((8 \times 8 \times 88 + (88/8)) + 88) \\
&:= 9 \times (9 \times (9 \times 9 - 9) - 9) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5740 &:= (11-1) \times (((1+1) \times (1+11))^{1+1}) - (1+1) \\
&:= (2-22) \times ((2 - ((22+2)^2))/2) \\
&:= 3^3 \times ((3+3)^3 - 3) - 33/3 \\
&:= 44 + 4 \times 4 \times ((4+4) \times 44 + 4) \\
&:= (5+5) \times (((5^5-5)/5 - 55) + 5) \\
&:= (6-6/6) \times ((6666+6)/6 + 6 \times 6) \\
&:= 7 + (7 \times (777-7+7 \times 7)) \\
&:= 8 \times (8 \times 88 + 8) + (88/((8+8)/8)) \\
&:= 9 + ((99/9) \times (((9+9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5741 &:= (11 \times (11 + ((1+1)^{11-1-1} - 1))) - 1 \\
&:= 2/2 + ((2-22) \times ((2 - ((22+2)^2))/2)) \\
&:= ((3-33)/3) + (3^3 \times ((3+3)^3 - 3)) \\
&:= (4/4+4)^4 + (4^4 \times (4 \times 4 + 4) - 4) \\
&:= (5^5+5)/5 + (5 \times (5-5/5)^5 - 5) \\
&:= 6 + ((6-6/6) \times ((6666/6) + 6 \times 6)) \\
&:= 7 + ((7 \times (777-7+7 \times 7)) + 7/7) \\
&:= 8 \times 8 \times 88 + ((888-8-8)/8) \\
&:= 9 \times (9 \times (9 \times 9 - 9) - 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5742 &:= 11 \times (11 + ((1+1)^{11-1-1} - 1)) \\
&:= (2/2+2) \times ((2 \times 22)^2 - 22) \\
&:= 3 \times ((3 \times (3 \times ((3+3)^3 - 3))) - 3) \\
&:= (44/((4+4)/4)) \times ((4/4+4^4) + 4) \\
&:= (5-5/5+5) \times (((55+5^5+5) + 5)/5) \\
&:= 66 \times (((666/6-6 \times 6) + 6) + 6) \\
&:= 7 + ((7 \times (777-7+7 \times 7)) + ((7+7)/7)) \\
&:= 8 \times 8 \times 88 + (888-8)/8 \\
&:= 9 \times (9 \times (9 \times 9 - 9) - 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5743 &:= 111 + (11 \times (1+1)^{11-1-1}) \\
&:= 222/2 + (22 \times 2^{2 \times (2+2)}) \\
&:= 3 + ((3^3 \times ((3+3)^3 - 3)) - 33/3) \\
&:= 444/4 + (4 \times 4 \times (4+4) \times 44) \\
&:= (5^5-5-5)/5 + 5 \times (5-5/5)^5 \\
&:= 6/6 + (66 \times (((666/6-6 \times 6) + 6) + 6)) \\
&:= ((77-7)/7) + (7 \times (777-7+7 \times 7)) \\
&:= 888/8 + 8 \times 8 \times 88 \\
&:= 9/9 + (9 \times (9 \times (9 \times 9 - 9) - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5744 &:= 1 + (111 + (11 \times (1+1)^{11-1-1})) \\
&:= 2 + ((2/2+2) \times ((2 \times 22)^2 - 22)) \\
&:= 33/3 + ((3 \times (3+3))^3 - 3 \times 33) \\
&:= 4 \times ((4+4) \times (4 \times 44 + 4) - 4) \\
&:= (5^5-5)/5 + 5 \times (5-5/5)^5 \\
&:= (((66-6)/6) + 6) \times (6 \times (66-6) - 6/6) \\
&:= 77/7 + (7 \times (777-7+7 \times 7)) \\
&:= 8 \times (8 \times 88 + 8 + 8) - 8 - 8 \\
&:= (9-9/9) \times (9 \times 9 \times 9 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5745 &:= 1 + (1 + (111 + (11 \times (1+1)^{11-1-1}))) \\
&:= 2 + ((22 \times 2^{2 \times (2+2)}) + 222/2) \\
&:= (3^3 \times ((3+3)^3 - 3)) - 3 - 3 \\
&:= (4/4+4)^4 + 4^4 \times (4 \times 4 + 4) \\
&:= 5 \times ((5-5/5)^5 + 5 \times 5 \times 5) \\
&:= (6-6/6) \times (((6666+6) + 6)/6) + 6 \times 6 \\
&:= (77+7)/7 + (7 \times (777-7+7 \times 7)) \\
&:= 8/8 + (8 \times (8 \times 88 + 8 + 8) - (8+8)) \\
&:= 9 + ((9-9/9) \times (9 \times 9 \times 9 - (99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5746 &:= (1+1) \times ((1+1+11) \times ((1+1) \times 111 - 1)) \\
&:= (22/2+2) \times (2 \times 222 - 2) \\
&:= 3/3 + ((3^3 \times ((3+3)^3 - 3)) - (3+3)) \\
&:= 4 + ((44/((4+4)/4)) \times ((4/4+4^4) + 4)) \\
&:= (5^5+5)/5 + 5 \times (5-5/5)^5 \\
&:= 6 + ((6-6/6) \times ((6666+6)/6 + 6 \times 6)) \\
&:= 7 + (((7 \times (777-7+7 \times 7)) - 7/7) + 7) \\
&:= (8+8)/8 + (8 \times (8 \times 88 + 8 + 8) - (8+8)) \\
&:= ((9-99)/(9+9)) + 9 \times (9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5747 &:= 1 + ((1+1) \times ((1+1+11) \times ((1+1) \times 111 - 1))) \\
&:= 2/2 + ((22/2+2) \times (2 \times 222 - 2)) \\
&:= (3^3 \times ((3+3)^3 - 3)) - (3/3+3) \\
&:= 4 + ((4 \times 4 \times (4+4) \times 44) + 444/4) \\
&:= (5^5+5+5)/5 + 5 \times (5-5/5)^5 \\
&:= 6 + (((6-6/6) \times ((6666/6) + 6 \times 6)) + 6) \\
&:= 7 + ((7 \times (777-7+7 \times 7)) + 7) \\
&:= 8 + (((8 \times 8 \times 88 + (88/8)) + 88) + 8) \\
&:= (9 - (9+9)/9) \times (9 \times (9 \times 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5748 &:= (1+1+1) \times ((1+1)^{11} - (11 \times (1+11))) \\
&:= 2 + ((22/2+2) \times (2 \times 222 - 2)) \\
&:= (3^3 \times ((3+3)^3 - 3)) - 3 \\
&:= 4 + (4 \times ((4+4) \times (4 \times 44 + 4) - 4)) \\
&:= 5 + ((5^5 - 5 - 5)/5 + 5 \times (5 - 5/5)^5) \\
&:= 6 \times (((6+6)/6)^{(66-6)/6} - 66) \\
&:= 7 + (((7 \times (777 - 7 + 7 \times 7)) + 7/7) + 7) \\
&:= 8 \times (8 \times 88 + 8 + 8) - (88 + 8)/8 \\
&:= 9 \times (9 \times (9 \times 9 - 9) - 9) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5749 &:= ((11-1) \times (((1+1) \times (1+11))^{1+1})) - 11 \\
&:= (222 \times (22+2+2)) - 22 - 2/2 \\
&:= 3/3 + ((3^3 \times ((3+3)^3 - 3)) - 3) \\
&:= 4 + (4^4 \times (4 \times 4 + 4) + (4/4 + 4)^4) \\
&:= 5 + (5 \times (5 - 5/5)^5 + (5^5 - 5)/5) \\
&:= ((6-66) \times (6 - (6 \times 6 + 66))) - 66/6 \\
&:= 7 \times 7 + ((7/7 - 77) \times ((7+7)/7 - 77)) \\
&:= 8 \times (8 \times 88 + 8 + 8) - 88/8 \\
&:= 9 \times (9 \times (9 \times 9 - 9) - 9) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5750 &:= (11-1) \times (((1+1) \times (1+11))^{1+1}) - 1 \\
&:= (222 \times (22+2+2)) - 22 \\
&:= (3^3 \times ((3+3)^3 - 3)) - 3/3 \\
&:= (4-44)/4 + (4 \times (4+4) \times (4 \times 44 + 4)) \\
&:= 5 \times (5 \times (5 \times (55 - 5 - 5) + 5)) \\
&:= 6 + (((66-6)/6) + 6) \times (6 \times (66-6) - 6/6) \\
&:= (7/7 + 7 \times 7) \times ((77 - 77/7) + 7 \times 7) \\
&:= 8 + ((888 - 8)/8 + 8 \times 8 \times 88) \\
&:= 9 \times (9 \times (9 \times 9 - 9) - 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5751 &:= 1 + ((11-1) \times (((1+1) \times (1+11))^{1+1}) - 1) \\
&:= 2/2 + ((222 \times (22+2+2)) - 22) \\
&:= 3^3 \times ((3+3)^3 - 3) \\
&:= (4-4/4)^4 \times (((4^4 - 4)/4) + 4) + 4 \\
&:= 5 + (5 \times (5 - 5/5)^5 + (5^5 + 5)/5) \\
&:= (6 \times (6 \times 6 \times (6 \times 6 - 6))) - ((6 \times 6)/(6+6))^6 \\
&:= 7 + ((7 \times (777 - 7 + 7 \times 7)) + (77/7)) \\
&:= 8 + (888/8 + 8 \times 8 \times 88) \\
&:= 9 \times (9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5752 &:= (11 \times (11 + (1+1)^{11-1-1})) - 1 \\
&:= 2 + ((222 \times (22+2+2)) - 22) \\
&:= 3/3 + (3^3 \times ((3+3)^3 - 3)) \\
&:= (4+4) \times ((4 \times (4 \times 44 + 4)) - 4/4) \\
&:= 5 + ((5^5 + 5 + 5)/5 + 5 \times (5 - 5/5)^5) \\
&:= ((6+6)/6 + 6) \times ((6+6) \times (66-6) - 6/6) \\
&:= 77 \times 77 - (((7+7)/7)^7 + 7 \times 7) \\
&:= 8 \times (8 \times 88 + 8 + 8) - 8 \\
&:= 9/9 + 9 \times (9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5753 &:= 11 \times (11 + (1+1)^{11-1-1}) \\
&:= (22/2)^2 + (22 \times 2^{2 \times (2+2)}) \\
&:= 3 + ((3^3 \times ((3+3)^3 - 3)) - 3/3) \\
&:= 44/4 \times ((44/4 + 4^4) + 4^4) \\
&:= 55/5 \times (555 - ((5+5)/5)^5) \\
&:= ((6-66) \times (6 - (6 \times 6 + 66))) - 6/6 - 6 \\
&:= 77/7 \times (7 \times 77 - (((7+7)/7 + 7) + 7)) \\
&:= 8/8 + (8 \times (8 \times 88 + 8 + 8) - 8) \\
&:= (9+9)/9 + 9 \times (9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5754 &:= 1 + (11 \times (11 + (1+1)^{11-1-1})) \\
&:= ((2 \times ((2+2+2)^2 + 2))^2) - 22 \\
&:= 3 + (3^3 \times ((3+3)^3 - 3)) \\
&:= ((4+4)/4 + 4) \times (4 \times 4^4 - (4^4 + 4)/4) \\
&:= ((55/5 + 5) + 5) \times (5 \times 55 - 5/5) \\
&:= ((6-66) \times (6 - (6 \times 6 + 66))) - 6 \\
&:= (7+7) \times (7 \times 77 - ((7+7)/7)^7) \\
&:= (8+8)/8 + (8 \times (8 \times 88 + 8 + 8) - 8) \\
&:= ((9+9+9)/9) + 9 \times (9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5755 &:= 1 + (1 + (11 \times (11 + (1+1)^{11-1-1}))) \\
&:= 2 + ((22 \times 2^{2 \times (2+2)}) + (22/2)^2) \\
&:= 3 + ((3^3 \times ((3+3)^3 - 3)) + 3/3) \\
&:= (4 \times (4+4) \times (4 \times 44 + 4)) - 4/4 - 4 \\
&:= 5 + (5 \times (5 \times (5 \times (55 - 5 - 5) + 5))) \\
&:= 6/6 + (((6-66) \times (6 - (6 \times 6 + 66))) - 6) \\
&:= ((77 - 7/7)^{(7+7)/7}) - (7 + 7 + 7) \\
&:= 88/8 + (8 \times (8 \times 88 + 8 + 8) - (8 + 8)) \\
&:= ((9 \times 9 - 9)/(9+9)) + 9 \times (9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5756 &:= 1 + (1 + (1 + (11 \times (11 + (1+1)^{11-1-1})))) \\
&:= 2 + (((2 \times ((2+2+2)^2 + 2))^2) - 22) \\
&:= 3 + (((3^3 \times ((3+3)^3 - 3)) - 3/3) + 3) \\
&:= (4 \times (4+4) \times (4 \times 44 + 4)) - 4 \\
&:= ((55 + 5^5)/5) + 5 \times (5 - 5/5)^5 \\
&:= (6+6)/6 + (((6-66) \times (6 - (6 \times 6 + 66))) - 6) \\
&:= 7 + (((7/7 - 77) \times ((7+7)/7 - 77)) + 7 \times 7) \\
&:= 8 \times (8 \times 88 + 8 + 8) - 8 \times 8/(8+8) \\
&:= ((9 \times 9 + 9)/(9+9)) + 9 \times (9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5757 &:= (1 + (11-1)^{1+1}) \times (1 + (1+111)/(1+1)) \\
&:= (((2/2+2)^{2+2} - 2)^2) - 22^2 \\
&:= 3 + ((3^3 \times ((3+3)^3 - 3)) + 3) \\
&:= 4/4 + ((4 \times (4+4) \times (4 \times 44 + 4)) - 4) \\
&:= 5 \times (5 - 5/5)^5 + ((55 + 5^5 + 5)/5) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6 - 6))) - ((6 \times 6)/(6+6))^6) \\
&:= 77 \times 77 - ((7 \times 7 \times 7 \times 7 + 7)/(7+7)) \\
&:= 8 + (8 \times (8 \times 88 + 8 + 8) - (88/8)) \\
&:= 9 + (9 \times (9 \times (9 \times 9 - 9) - 9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5758 &:= ((11-1) \times (((1+1) \times (1+11))^{1+1})) - 1 - 1 \\
&:= ((22-2) \times (((22+2)^2)/2)) - 2 \\
&:= 3 + (((3^3 \times ((3+3)^3 - 3)) + 3/3) + 3) \\
&:= (4 \times (4+4) \times (4 \times 44 + 4)) - (4+4)/4 \\
&:= 5 + (55/5 \times (555 - ((5+5)/5)^5)) \\
&:= ((6-66) \times (6 - (6 \times 6 + 66))) - (6+6)/6 \\
&:= 77 \times 77 + ((7-7 \times 7 \times 7 + 7)/(7+7)) \\
&:= 8 \times (8 \times 88 + 8 + 8) - (8+8)/8 \\
&:= 9 + (9 \times (9 \times (9 \times 9 - 9) - 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5759 &:= ((11-1) \times (((1+1) \times (1+11))^{1+1})) - 1 \\
&:= (22/2+2) \times (((22-2/2)^2) + 2) \\
&:= (3 \times (3+3))^3 - (((3+3)^3 + 3)/3) \\
&:= (4 \times (4+4) \times (4 \times 44 + 4)) - 4/4 \\
&:= 5 + (((55/5+5) + 5) \times (5 \times 55 - 5/5)) \\
&:= ((6-66) \times (6 - (6 \times 6 + 66))) - 6/6 \\
&:= 7 + (77 \times 77 - (((7+7)/7)^7 + 7 \times 7)) \\
&:= 8 \times (8 \times 88 + 8 + 8) - 8/8 \\
&:= 9 + (9 \times (9 \times (9 \times 9 - 9) - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5760 &:= (11-1) \times (((1+1) \times (1+11))^{1+1}) \\
&:= (22-2) \times (((22+2)^2)/2) \\
&:= 3 \times ((3 \times (3 \times ((3+3)^3 - 3))) + 3) \\
&:= 4 \times (4+4) \times (4 \times 44 + 4) \\
&:= (5+5) \times (((5^5 + 5)/5 - 55) + 5) \\
&:= (6-66) \times (6 - (6 \times 6 + 66)) \\
&:= ((7+7)/7)^7 \times ((7 \times 7 - 77/7) + 7) \\
&:= 8 \times (8 \times 88 + 8 + 8) \\
&:= 9 + 9 \times (9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5761 &:= 1 + ((11-1) \times (((1+1) \times (1+11))^{1+1})) \\
&:= 2/2 + ((22-2) \times (((22+2)^2)/2)) \\
&:= (3 \times (3+3))^3 + ((3 - (3+3)^3)/3) \\
&:= 4/4 + (4 \times (4+4) \times (4 \times 44 + 4)) \\
&:= 5 + (((55 + 5^5)/5) + 5 \times (5 - 5/5)^5) \\
&:= 6/6 + ((6-66) \times (6 - (6 \times 6 + 66))) \\
&:= (7 \times (777 + 7 \times 7)) - (7 + 7 + 7) \\
&:= 8/8 + 8 \times (8 \times 88 + 8 + 8) \\
&:= 9 + (9 \times (9 \times (9 \times 9 - 9) - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5762 &:= 1 + (1 + ((11-1) \times (((1+1) \times (1+11))^{1+1}))) \\
&:= 2 + ((22-2) \times (((22+2)^2)/2)) \\
&:= 33/3 + (3^3 \times ((3+3)^3 - 3)) \\
&:= (4+4)/4 + (4 \times (4+4) \times (4 \times 44 + 4)) \\
&:= (5/5 + 5)^5 + (5555/5 - 5^5) \\
&:= (6+6)/6 + ((6-66) \times (6 - (6 \times 6 + 66))) \\
&:= ((77 - 7/7)^{(7+7)/7}) - (7 + 7) \\
&:= (8+8)/8 + 8 \times (8 \times 88 + 8 + 8) \\
&:= 99/9 + 9 \times (9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5763 &:= (11 \times (1 + (11 + (1 + 1)^{11-1-1}))) - 1 \\
&:= (22 \times (22^2 - 222)) - 2/2 \\
&:= 3 + ((3^3 \times ((3 + 3)^3 - 3)) + 3 \times 3) \\
&:= 4 + ((4 \times (4 + 4) \times (4 \times 44 + 4)) - 4/4) \\
&:= 5555 + ((5^5 - 5)/(5 + 5 + 5)) \\
&:= (66/6 + 6) \times (666 \times 6/(6 + 6) + 6) \\
&:= 7/7 + (((77 - 7/7)^{(7+7)/7}) - (7 + 7)) \\
&:= 88/8 + (8 \times (8 \times 88 + 8 + 8) - 8) \\
&:= (99 + 9)/9 + 9 \times (9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5764 &:= 11 \times (1 + (11 + (1 + 1)^{11-1-1})) \\
&:= 22 \times (22^2 - 222) \\
&:= 3 + (((3 - (3 + 3)^3)/3) + (3 \times (3 + 3))^3) \\
&:= 4 + (4 \times (4 + 4) \times (4 \times 44 + 4)) \\
&:= (5 + 5)/5 \times (5^5 - ((5 - (5 + 5)/5)^5)) \\
&:= (((((6 + 6)/6)^6 + 6) + 6)^{(6+6)/6}) - 6 - 6 \\
&:= 77/7 \times (7 \times 77 - (7/7 + 7 + 7)) \\
&:= 88/8 \times (((88 + 8)/8) + 8 \times 8 \times 8) \\
&:= 99/9 \times (((9 + 9)/9)^9) + (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5765 &:= 1 + (11 \times (1 + (11 + (1 + 1)^{11-1-1}))) \\
&:= 2/2 + (22 \times (22^2 - 222)) \\
&:= (3 \times (3 + 3))^3 - (((3/3 + 3)^3) + 3) \\
&:= 4 + ((4 \times (4 + 4) \times (4 \times 44 + 4)) + 4/4) \\
&:= (55 \times (5 \times (5 \times 5 - 5) + 5)) - 5 - 5 \\
&:= 6 + (((6 - 66) \times (6 - (6 \times 6 + 66))) - 6/6) \\
&:= ((77 - 7/7)^{(7+7)/7}) - 77/7 \\
&:= 8 + ((8 \times (8 \times 88 + 8 + 8) - (88/8)) + 8) \\
&:= 9 + (9 \times (9 \times (9 \times 9 - 9) - 9) + ((9 \times 9 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5766 &:= 1 + (1 + (11 \times (1 + (11 + (1 + 1)^{11-1-1})))) \\
&:= 2 + (22 \times (22^2 - 222)) \\
&:= (3 \times (3 + 3))^3 - (33 + 33) \\
&:= 4 + ((4 \times (4 + 4) \times (4 \times 44 + 4)) + (4 + 4)/4) \\
&:= 5/5 + ((55 \times (5 \times (5 \times 5 - 5) + 5)) - (5 + 5)) \\
&:= 6 + ((6 - 66) \times (6 - (6 \times 6 + 66))) \\
&:= ((7 - 77)/7) + ((77 - 7/7)^{(7+7)/7}) \\
&:= 8 + (8 \times (8 \times 88 + 8 + 8) - ((8 + 8)/8)) \\
&:= 9 + ((9 \times (9 \times (9 \times 9 - 9) - 9) - ((9 + 9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5767 &:= ((1 + 1) \times ((1 + 1) \times (111 + 11^{1+1+1}))) - 1 \\
&:= 2 + (22 \times (22^2 - 222)) + 2/2 \\
&:= 3/3 + ((3 \times (3 + 3))^3 - (33 + 33)) \\
&:= 4 + (((4 \times (4 + 4) \times (4 \times 44 + 4)) - 4/4) + 4) \\
&:= 5555 + ((55 + 5^5)/(5 + 5 + 5)) \\
&:= 6 + (((6 - 66) \times (6 - (6 \times 6 + 66))) + 6/6) \\
&:= (7 \times (777 + 7 \times 7)) - (7/7 + 7 + 7) \\
&:= 8 + (8 \times (8 \times 88 + 8 + 8) - 8/8) \\
&:= ((9/9 - 9) + 9 \times 9) \times (9 \times 9 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5768 &:= (1 + 1) \times ((1 + 1) \times (111 + 11^{1+1+1})) \\
&:= 2 \times (2 \times (((2 + 2 + 2)^2 + 2)^2 - 2)) \\
&:= (3 \times (3 + 3))^3 - ((3/3 + 3)^3) \\
&:= 4 + ((4 \times (4 + 4) \times (4 \times 44 + 4)) + 4) \\
&:= 5 + (((5^5 - 5)/(5 + 5 + 5)) + 5555) \\
&:= ((6 + 6)/6 + 6) \times ((6 + 6) \times (66 - 6) + 6/6) \\
&:= (7 \times (777 + 7 \times 7)) - (7 + 7) \\
&:= 8 + 8 \times (8 \times 88 + 8 + 8) \\
&:= (9 - 9/9) \times ((9 \times 9 \times 9 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5769 &:= ((11 - 1) \times (1 + (((1 + 1) \times (1 + 11))^{1+1}))) - 1 \\
&:= (222 \times (22 + 2 + 2)) - 2/2 - 2 \\
&:= 3 + ((3 \times (3 + 3))^3 - (33 + 33)) \\
&:= (4/4 + 4 + 4) \times ((4/4 + 4)^4 + 4 \times 4) \\
&:= (5^5 - 5)/5 + (5 \times ((5 - 5/5)^5 + 5)) \\
&:= 666 + ((6/6 + 6) \times ((6 \times 6/(6 + 6))^6)) \\
&:= ((77 - 7/7)^{(7+7)/7}) - 7 \\
&:= 8 + (8 \times (8 \times 88 + 8 + 8) + 8/8) \\
&:= 9 + (9 \times (9 \times (9 \times 9 - 9) - 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5770 &:= (11 - 1) \times (1 + (((1 + 1) \times (1 + 11))^{1+1})) \\
&:= (222 \times (22 + 2 + 2)) - 2 \\
&:= (3 \times 3 + 3/3) \times (((3 \times 3 + 3)^3 + 3)/3) \\
&:= (4/4 + 4) \times ((4444 - 4)/4 + 44) \\
&:= (55 \times (5 \times (5 \times 5 - 5) + 5)) - 5 \\
&:= (((((6 + 6)/6)^6 + 6) + 6)^{(6+6)/6}) - 6 \\
&:= 7/7 + (((77 - 7/7)^{(7+7)/7}) - 7) \\
&:= 8 + (8 \times (8 \times 88 + 8 + 8) + ((8 + 8)/8)) \\
&:= 9 + ((9 \times (9 \times (9 \times 9 - 9) - 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5771 &:= 1 + ((11 - 1) \times (1 + (((1 + 1) \times (1 + 11))^{1+1}))) \\
&:= (222 \times (22 + 2 + 2)) - 2/2 \\
&:= 3 + ((3 \times (3 + 3))^3 - ((3/3 + 3)^3)) \\
&:= 44/4 + (4 \times (4 + 4) \times (4 \times 44 + 4)) \\
&:= 5/5 + ((55 \times (5 \times (5 \times 5 - 5) + 5)) - 5) \\
&:= 6 \times 6 \times 6 + (6 - 6/6) \times 6666/6 \\
&:= (7 \times (777 + 7 \times 7)) - 77/7 \\
&:= 88/8 + 8 \times (8 \times 88 + 8 + 8) \\
&:= 9 + (9 \times (9 \times (9 \times 9 - 9) - 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5772 &:= (1 + 1) \times ((1 + 1) \times (111 \times (1 + 1 + 11))) \\
&:= 222 \times (22 + 2 + 2) \\
&:= (3 \times (3 + 3))^3 - (3^3 + 33) \\
&:= 444 \times ((4/4 + 4 + 4) + 4) \\
&:= 555/5 \times (((5 + 5)/5 - 5) + 55) \\
&:= 6 + (((6 - 66) \times (6 - (6 \times 6 + 66))) + 6/6) \\
&:= ((7 - 77)/7) + (7 \times (777 + 7 \times 7)) \\
&:= ((88 + 8)/8) + 8 \times (8 \times 88 + 8 + 8) \\
&:= 9 + (9 \times (9 \times (9 \times 9 - 9) - 9) + (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5773 &:= 1 + ((1 + 1) \times ((1 + 1) \times (111 \times (1 + 1 + 11)))) \\
&:= 2/2 + (222 \times (22 + 2 + 2)) \\
&:= 3/3 + ((3 \times (3 + 3))^3 - (3^3 + 33)) \\
&:= 4/4 + (444 \times ((4/4 + 4 + 4) + 4)) \\
&:= (55 \times (5 \times (5 \times 5 - 5) + 5)) - (5 + 5)/5 \\
&:= (6666/6) + ((6/6 + 6) \times 666) \\
&:= (7 \times (777 + 7 \times 7)) - ((7 + 7)/7 + 7) \\
&:= 88 + (8 \times (8 \times 88 + 8) - (88/8)) \\
&:= ((99 + 99)/9) + 9 \times (9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5774 &:= (1 + 1) \times (1 + ((1 + 1) \times (111 \times (1 + 1 + 11)))) \\
&:= 2 + (222 \times (22 + 2 + 2)) \\
&:= 3 + (((3 \times (3 + 3))^3 - ((3/3 + 3)^3)) + 3) \\
&:= (4 + 4)/4 + (444 \times ((4/4 + 4 + 4) + 4)) \\
&:= (55 \times (5 \times (5 \times 5 - 5) + 5)) - 5/5 \\
&:= 6 + (((6 + 6)/6 + 6) \times ((6 + 6) \times (66 - 6) + 6/6)) \\
&:= (7 \times (777 + 7 \times 7)) - (7/7 + 7) \\
&:= 8 + ((8 \times (8 \times 88 + 8 + 8) - ((8 + 8)/8)) + 8) \\
&:= 9 \times 9 \times (9 \times 9 - 9) + (((9 - 9 \times 99)/(9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5775 &:= 11 \times (1 + (1 + (11 + (1 + 1)^{11-1-1}))) \\
&:= ((2 \times ((2 + 2 + 2)^2 + 2))^2) - 2/2 \\
&:= 3 + ((3 \times (3 + 3))^3 - (3^3 + 33)) \\
&:= (4 - 4/4) \times (44 \times 44 - 44/4) \\
&:= 55 \times (5 \times (5 \times 5 - 5) + 5) \\
&:= (66 - 66/6) \times (666/6 - 6) \\
&:= 77 \times (77 - (7 + 7)/7) \\
&:= 8 + ((8 \times (8 \times 88 + 8 + 8) - 8/8) + 8) \\
&:= 99/9 \times (((99 + 9 + 9)/9) + ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5776 &:= ((1 + 1) \times (1 + (111/(1 + 1 + 1))))^{1+1} \\
&:= (2 \times ((2 + 2 + 2)^2 + 2))^2 \\
&:= (((((3 + 3)^3 + 3)/3) + 3)^{3-3/3}) \\
&:= 4 \times ((4 + 4) \times (4 \times 44 + 4) + 4) \\
&:= 5/5 + (55 \times (5 \times (5 \times 5 - 5) + 5)) \\
&:= (((((6 + 6)/6)^6 + 6) + 6)^{(6+6)/6}) \\
&:= (77 - 7/7)^{(7+7)/7} \\
&:= 8 + (8 \times (8 \times 88 + 8 + 8) + 8) \\
&:= (9 - 9/9) \times (((9 + 9)/9) - 9) + 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5777 &:= 1 + (((1 + 1) \times (1 + (111/(1 + 1 + 1))))^{1+1}) \\
&:= 2/2 + ((2 \times ((2 + 2 + 2)^2 + 2))^2) \\
&:= 3^3 + ((3^3 \times ((3 + 3)^3 - 3)) - 3/3) \\
&:= 4/4 + (4 \times ((4 + 4) \times (4 \times 44 + 4) + 4)) \\
&:= (5 + 5)/5 + (55 \times (5 \times (5 \times 5 - 5) + 5)) \\
&:= 6/6 + (((((6 + 6)/6)^6 + 6) + 6)^{(6+6)/6}) \\
&:= 7/7 + ((77 - 7/7)^{(7+7)/7}) \\
&:= ((8/8 + 88) \times (8/8 + 8 \times 8)) - 8 \\
&:= 9 + ((9 - 9/9) \times ((9 \times 9 \times 9 - 9) + 9/9))
\end{aligned}$$

- 5778 := $(1+1+1) \times ((1+1)^{11} - (1+11^{1+1}))$
:= $2 + ((2 \times ((2+2+2)^2 + 2))^2)$
:= $3 \times (3 \times ((3 \times ((3+3)^3 - 3)) + 3))$
:= $(4+4)/4 + (4 \times ((4+4) \times (4 \times 44 + 4) + 4))$
:= $(55 - 5/5) \times ((555 + 5)/5 - 5)$
:= $666 + ((6+6) \times ((6 \times (66+6)) - 6))$
:= $7 + ((7 \times (777 + 7 \times 7)) - (77/7))$
:= $(8/8 + 8) \times (8 \times (88 - 8) + ((8+8)/8))$
:= $9 + ((9 \times (9 \times (9 \times 9 - 9) - 9) + 9) + 9)$
- 5779 := $1 + ((1+1+1) \times ((1+1)^{11} - (1+11^{1+1})))$
:= $2 + (((2 \times ((2+2+2)^2 + 2))^2) + 2/2)$
:= $3 + (((((3+3)^3 + 3)/3) + 3)^{3-3/3})$
:= $4 + (((44/4)^{4-4/4}) + 4444)$
:= $5 + ((55 \times (5 \times (5 \times 5 - 5) + 5)) - 5/5)$
:= $6 + (((6/6 + 6) \times 666) + (6666/6))$
:= $(7 \times (777 + 7 \times 7)) - (7 + 7 + 7)/7$
:= $8 + (8 \times (8 \times 88 + 8 + 8) + (88/8))$
:= $9 + (((9 \times (9 \times (9 \times 9 - 9) - 9) + 9/9) + 9) + 9)$
- 5780 := $(11 - 1) \times (1 + (1 + ((1+1) \times (1+11)^{1+1})))$
:= $2 + (((2 \times ((2+2+2)^2 + 2))^2) + 2)$
:= $3 + (((3 \times (3+3))^3 - ((3/3+3)^3)) + 3 \times 3)$
:= $4 + (4 \times ((4+4) \times (4 \times 44 + 4) + 4))$
:= $5 + (55 \times (5 \times (5 \times 5 - 5) + 5))$
:= $(6 - 6/6) \times ((6 \times 6 - ((6+6)/6))^{(6+6)/6})$
:= $(7 \times (777 + 7 \times 7)) - (7 + 7)/7$
:= $8 + (8 \times (8 \times 88 + 8 + 8) + ((88+8)/8))$
:= $9 + ((9 \times (9 \times (9 \times 9 - 9) - 9) + (99/9)) + 9)$
- 5781 := $(1+1+1) \times ((1+1)^{11} - 11^{1+1})$
:= $2 + (((2 \times ((2+2+2)^2 + 2))^2) + 2/2) + 2$
:= $3 + ((3^3 \times ((3+3)^3 - 3)) + 3^3)$
:= $4 + ((4 \times ((4+4) \times (4 \times 44 + 4) + 4)) + 4/4)$
:= $5 + ((55 \times (5 \times (5 \times 5 - 5) + 5)) + 5/5)$
:= $6 + ((66 - 66/6) \times (666/6 - 6))$
:= $(7 \times (777 + 7 \times 7)) - 7/7$
:= $8 + ((8 \times (8 \times 88 + 8) - (88/8)) + 88)$
:= $999/9 + 9 \times (9 \times 9 \times 9 - 99)$
- 5782 := $1 + ((1+1+1) \times ((1+1)^{11} - 11^{1+1}))$
:= $2 \times ((2+2+2) \times (22^2 - 2)) - 2$
:= $3 + (((((3+3)^3 + 3)/3) + 3)^{3-3/3}) + 3$
:= $4 + ((4 \times ((4+4) \times (4 \times 44 + 4) + 4)) + (4+4)/4)$
:= $5 + ((55 \times (5 \times (5 \times 5 - 5) + 5)) + ((5+5)/5))$
:= $6 + (((((6+6)/6)^6 + 6) + 6)^{(6+6)/6})$
:= $7 \times (777 + 7 \times 7)$
:= $88 + (8 \times (8 \times 88 + 8) - ((8+8)/8))$
:= $(99 - 9/9) \times (((9 \times 99 + 9)/(9+9)) + 9)$
- 5783 := $((1+11) \times (((11+11)^{1+1}) - (1+1))) - 1$
:= $22/2 + (222 \times (22 + 2 + 2))$
:= $33 + ((3^3 \times ((3+3)^3 - 3)) - 3/3)$
:= $44/4 + (444 \times ((4/4 + 4 + 4) + 4))$
:= $5 + ((55 - 5/5) \times ((555 + 5)/5 - 5))$
:= $6 + ((((((6+6)/6)^6 + 6) + 6)^{(6+6)/6}) + 6/6)$
:= $7 + ((77 - 7/7)^{(7+7)/7})$
:= $88 + (8 \times (8 \times 88 + 8) - 8/8)$
:= $9 \times 9 \times (9 \times 9 - 9) + ((9 - 9 \times 99)/(9+9))$
- 5784 := $(1+11) \times (((11+11)^{1+1}) - (1+1))$
:= $2 \times ((2+2+2) \times (22^2 - 2))$
:= $33 + (3^3 \times ((3+3)^3 - 3))$
:= $(4 - 4/4) \times (44 \times 44 - (4+4))$
:= $(5/5 + 5) \times ((5 - 5/5)^5 - (55 + 5))$
:= $((6+6)/6 + 6) \times (((6 \times 6/(6+6))^6) - 6)$
:= $(7+7)/7 + (7 \times (777 + 7 \times 7))$
:= $88 + 8 \times (8 \times 88 + 8)$
:= $(9 - 9/9) \times (((9+9+9)/9) - 9) + 9 \times 9 \times 9$
- 5785 := $1 + ((1+11) \times (((11+11)^{1+1}) - (1+1)))$
:= $2/2 + (2 \times ((2+2+2) \times (22^2 - 2)))$
:= $3/3 + ((3^3 \times ((3+3)^3 - 3)) + 33)$
:= $(4^4 + 4)/4 \times (((4 - 4/4)^4 + 4) + 4)$
:= $5 + ((55 \times (5 \times (5 \times 5 - 5) + 5)) + 5)$
:= $6 \times 6 \times 6 \times 6 + ((66 + 6/6)^{(6+6)/6})$
:= $(7 + 7 + 7)/7 + (7 \times (777 + 7 \times 7))$
:= $(8/8 + 88) \times (8/8 + 8 \times 8)$
:= $9 + ((9 - 9/9) \times (((9+9)/9) - 9) + 9 \times 9 \times 9)$
- 5786 := $(1+1) \times (11 \times (((1+1) \times (11 \times (1+11))) - 1))$
:= $2 + (2 \times ((2+2+2) \times (22^2 - 2)))$
:= $3 + (((3^3 \times ((3+3)^3 - 3)) - 3/3) + 33)$
:= $44/4 \times ((44 \times ((4+4) + 4)) - (4+4)/4)$
:= $55/5 + (55 \times (5 \times (5 \times 5 - 5) + 5))$
:= $6 + ((6 - 6/6) \times ((6 \times 6 - ((6+6)/6))^{(6+6)/6}))$
:= $77/7 + (77 \times (77 - (7+7)/7))$
:= $8/8 + ((8/8 + 88) \times (8/8 + 8 \times 8))$
:= $9 + (((9 - 9/9) \times ((9 \times 9 \times 9 - 9) + 9/9)) + 9)$
- 5787 := $1 + ((1+1) \times (11 \times (((1+1) \times (11 \times (1+11))) - 1)))$
:= $22/2 + ((2 \times ((2+2+2)^2 + 2))^2)$
:= $3 + ((3^3 \times ((3+3)^3 - 3)) + 33)$
:= $44/4 + (4 \times ((4+4) \times (4 \times 44 + 4) + 4))$
:= $((55 + 5)/5) + (55 \times (5 \times (5 \times 5 - 5) + 5))$
:= $6 + (((66 - 66/6) \times (666/6 - 6)) + 6)$
:= $7 + ((7 \times (777 + 7 \times 7)) - ((7+7)/7))$
:= $8 + ((8 \times (8 \times 88 + 8 + 8) + (88/8)) + 8)$
:= $9 + (((9 \times (9 \times (9 \times 9 - 9) - 9) + 9) + 9) + 9)$
- 5788 := $(1+1) \times (1 + (11 \times (((1+1) \times (11 \times (1+11))) - 1)))$
:= $2 \times (((2+2+2) \times (22^2 - 2)) + 2)$
:= $(3 \times (3+3))^3 - (33/3 + 33)$
:= $((4+4) \times ((4 \times (4 \times 44 + 4) + 4)) - 4)$
:= $5^5 + (5 \times 555 - (555 + 5)/5)$
:= $6 + ((((((6+6)/6)^6 + 6) + 6)^{(6+6)/6}) + 6/6)$
:= $7 + ((7 \times (777 + 7 \times 7)) - 7/7)$
:= $88 + (8 \times (8 \times 88 + 8) + 8 \times 8/(8+8))$
:= $9 + (((9 \times (9 \times (9 \times 9 - 9) - 9) + 9/9) + 9) + 9) + 9)$
- 5789 := $1 + ((1+1) \times (1 + (11 \times (((1+1) \times (11 \times (1+11))) - 1))))$
:= $2 + (((2 \times ((2+2+2)^2 + 2))^2) + 22/2)$
:= $((3 - 33)/3) + ((3 \times (3+3))^3 - 33)$
:= $4 + ((4^4 + 4)/4 \times (((4 - 4/4)^4 + 4) + 4))$
:= $5^5 + ((5 \times 5 - 5/5) \times 555/5)$
:= $(6/6 + 6) \times ((66 \times (6+6) - 6/6) + 6 \times 6)$
:= $7 + (7 \times (777 + 7 \times 7))$
:= $(88 \times (((8+8)/8) + 8 \times 8)) - (88/8 + 8)$
:= $(9 - (9+9)/9) \times ((9 \times 9 \times 9 - 9/9) + 99)$
- 5790 := $(11 - 1) \times (1 + (1 + (1 + ((1+1) \times (1+11)^{1+1}))))$
:= $2 + (2 \times ((2+2+2) \times (22^2 - 2)) + 2)$
:= $(3 \times (3+3))^3 - (3 \times 3 + 33)$
:= $(4 - 4/4) \times (44 \times 44 - ((4+4)/4 + 4))$
:= $(5 + 5) \times ((555 - 5/5) + 5 \times 5)$
:= $(6 \times 6 + 6) \times (66 + 66 + 6) - 6$
:= $7 + (((77 - 7/7)^{(7+7)/7}) + 7)$
:= $8 + ((8 \times (8 \times 88 + 8) - ((8+8)/8)) + 88)$
:= $9 + (9 \times (9 \times 9 \times 9 - 99) + 999/9)$
- 5791 := $1 + ((11 - 1) \times (1 + (1 + (1 + ((1+1) \times (1+11)^{1+1}))))))$
:= $((2/2 + 2) \times ((2 \times 22^2 - 2)) - 22/2)$
:= $3 + ((3 \times (3+3))^3 - (33/3 + 33))$
:= $(4 \times 4^4 \times (4+4)) - (((4 - 4/4) + 4)^4)$
:= $5 + ((55 \times (5 \times (5 \times 5 - 5) + 5)) + (55/5))$
:= $6/6 + ((6 \times 6 + 6) \times (66 + 66 + 6) - 6)$
:= $7 + ((7 \times (777 + 7 \times 7)) + ((7+7)/7))$
:= $8 + ((8 \times (8 \times 88 + 8) - 8/8) + 88)$
:= $9 \times 99 + ((9 \times 9 - 99/9)^{(9+9)/9})$
- 5792 := $11 + ((1+1+1) \times ((1+1)^{11} - 11^{1+1}))$
:= $2 \times (((2+2+2) \times (22^2 - 2)) + 2) + 2$
:= $(3 \times (3+3))^3 - ((3/3 + 33 + 3) + 3)$
:= $(4+4) \times ((4 \times (4 \times 44 + 4) + 4)$
:= $((5+5)/5)^5 \times ((5 \times 5 \times 5 + 55) + 5/5)$
:= $((6+6)/6 + 6) \times ((66 \times 66 - 6 - 6)/6)$
:= $((77 - 7)/7) + (7 \times (777 + 7 \times 7))$
:= $8 + (8 \times (8 \times 88 + 8) + 88)$
:= $(9 - 9/9) \times (((9 - 99)/(9+9)) + 9 \times 9 \times 9)$

$$\begin{aligned}
\blacktriangleright 5793 &:= ((1+11) \times (((11+11)^{1+1}) - 1)) - 1 - 1 - 1 \\
&:= 22 + ((222 \times (22+2+2)) - 2/2) \\
&:= (3 \times (3+3))^3 - (33+3+3) \\
&:= 4/4 + ((4+4) \times ((4 \times (4 \times 44+4)) + 4)) \\
&:= 5555 + (((5 - (5+5)/5)^5) - 5) \\
&:= (6 \times 6+6) \times (66+66+6) - 6 \times 6/(6+6) \\
&:= 77/7 + (7 \times (777+7 \times 7)) \\
&:= 8 + ((8/8+88) \times (8/8+8 \times 8)) \\
&:= 9 \times (9 \times (9 \times 9 - 9) + 9) - (999/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5794 &:= ((1+11) \times (((11+11)^{1+1}) - 1)) - 1 - 1 \\
&:= 22 + (222 \times (22+2+2)) \\
&:= (3 \times (3+3))^3 - (33/3+3^3) \\
&:= (4+4)/4 + ((4+4) \times ((4 \times (4 \times 44+4)) + 4)) \\
&:= (5+5) \times (555+5 \times 5) - (5/5+5) \\
&:= (6 \times 6+6) \times (66+66+6) - (6+6)/6 \\
&:= 77 \times 77 - (((7+7)/7)^7 + 7) \\
&:= 8 + (((8/8+88) \times (8/8+8 \times 8)) + 8/8) \\
&:= 9 \times (9+9) + ((99/9) \times ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5795 &:= ((1+11) \times (((11+11)^{1+1}) - 1)) - 1 \\
&:= ((2+2+2) \times (2 \times 22^2 - 2)) - 2/2 \\
&:= (3 \times (3+3))^3 - (3/3+33+3) \\
&:= ((4-4/4) \times (44 \times 44 - 4)) - 4/4 \\
&:= (5+5) \times (555+5 \times 5) - 5 \\
&:= (6 \times 6+6) \times (66+66+6) - 6/6 \\
&:= 7 + (((7 \times (777+7 \times 7)) - 7/7) + 7) \\
&:= 88 + (8 \times (8 \times 88+8) + (88/8)) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (((9/9+9+9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5796 &:= (1+11) \times (((11+11)^{1+1}) - 1) \\
&:= (2+2+2) \times (2 \times 22^2 - 2) \\
&:= (3 \times (3+3))^3 - (33+3) \\
&:= (4-4/4) \times (44 \times 44 - 4) \\
&:= 5/5 + ((5+5) \times (555+5 \times 5) - 5) \\
&:= (6 \times 6+6) \times (66+66+6) \\
&:= 7 + ((7 \times (777+7 \times 7)) + 7) \\
&:= (8 \times 8 - 8/8) \times (8 \times 8/(8+8) + 88) \\
&:= (9+9) \times ((9+9) \times (9+9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5797 &:= 1 + ((1+11) \times (((11+11)^{1+1}) - 1)) \\
&:= 22/2 \times ((22+2/2)^2 - 2) \\
&:= 3/3 + ((3 \times (3+3))^3 - (33+3)) \\
&:= 4/4 + ((4-4/4) \times (44 \times 44 - 4)) \\
&:= (5+5)/5 + ((5+5) \times (555+5 \times 5) - 5) \\
&:= 6/6 + (6 \times 6+6) \times (66+66+6) \\
&:= 7 + (((77-7/7)^{(7+7)/7}) + 7) + 7) \\
&:= 88/8 \times (((8 \times 8 - 8/8) + 8) + 8) \\
&:= 9/9 + ((9+9) \times ((9+9) \times (9+9) - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5798 &:= 1 + (1 + ((1+11) \times (((11+11)^{1+1}) - 1))) \\
&:= 2 + ((2+2+2) \times (2 \times 22^2 - 2)) \\
&:= (3 \times (3+3))^3 - 3/3 - 33 \\
&:= 4^4 + ((44 \times (4^4 - 4) - 4)/(4+4)/4) \\
&:= 5555 + ((5 - (5+5)/5)^5) \\
&:= (6+6)/6 + (6 \times 6+6) \times (66+66+6) \\
&:= 7 + (((7 \times (777+7 \times 7)) + ((7+7)/7)) + 7) \\
&:= (8-88)/8 + (88 \times (((8+8)/8) + 8 \times 8)) \\
&:= ((9-9/9) \times (9 \times 9 \times 9 - ((9+9)/9))) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5799 &:= 1 + (1 + (1 + ((1+11) \times (((11+11)^{1+1}) - 1)))) \\
&:= 2 + (22/2 \times ((22+2/2)^2 - 2)) \\
&:= (3 \times (3+3))^3 - 33 \\
&:= (4-4/4) \times ((44 \times 44 - 4) + 4/4) \\
&:= (5+5) \times (555+5 \times 5) - 5/5 \\
&:= 666/6 + ((6+6) \times (6 \times (66+6+6) + 6)) \\
&:= 7 + ((7 \times (777+7 \times 7)) + ((77-7)/7)) \\
&:= 888/8 + (8 \times (8 \times 88+8) - 8) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (99/((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5800 &:= ((1+1+1) \times ((1+1)^{11} - 111)) - 11 \\
&:= 2 \times (2 \times ((2/2+2) \times 22^2) - 2) \\
&:= 3/3 + ((3 \times (3+3))^3 - 33) \\
&:= 4 + ((4-4/4) \times (44 \times 44 - 4)) \\
&:= (5+5) \times (555+5 \times 5) \\
&:= ((6+6)/6+6) \times ((66 \times 66 - 6)/6) \\
&:= 7 + ((7 \times (777+7 \times 7)) + (77/7)) \\
&:= (88 \times (((8+8)/8) + 8 \times 8)) - 8 \\
&:= (9-9/9) \times (((9-9 \times 9)/(9+9)) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5801 &:= 1 + (((1+1+1) \times ((1+1)^{11} - 111)) - 11) \\
&:= ((2/2+2) \times ((2 \times 22)^2 - 2)) - 2/2 \\
&:= 3 + ((3 \times (3+3))^3 - (3/3+33)) \\
&:= ((4-4/4) \times (44 \times 44 - 4/4)) - 4 \\
&:= 5/5 + (5+5) \times (555+5 \times 5) \\
&:= 6 + ((6 \times 6+6) \times (66+66+6) - 6/6) \\
&:= 77 \times 77 - ((7+7)/7)^7 \\
&:= 8 + (((8/8+88) \times (8/8+8 \times 8)) + 8) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (((99+99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5802 &:= (1+1) \times (((1+1) \times ((11 \times (11 \times (1+11))) - 1)) - 1) \\
&:= (2/2+2) \times ((2 \times 22)^2 - 2) \\
&:= 3 + ((3 \times (3+3))^3 - 33) \\
&:= (4-4/4) \times (44 \times 44 - (4+4)/4) \\
&:= (5+5)/5 + (5+5) \times (555+5 \times 5) \\
&:= 6 + (6 \times 6+6) \times (66+66+6) \\
&:= 7/7 + (77 \times 77 - ((7+7)/7)^7) \\
&:= (8 - (8+8)/8) \times ((88 \times 88 - 8)/8) \\
&:= 9 \times (9 \times (9 \times 9 - 9) + 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5803 &:= ((1+1+1) \times (1 + ((1+1)^{11} - 111))) - 11 \\
&:= 2/2 + ((2/2+2) \times ((2 \times 22)^2 - 2)) \\
&:= 3 + (((3 \times (3+3))^3 - 33) + 3/3) \\
&:= (44 \times (4 \times 4 \times (4+4) + 4)) - 4/4 - 4 \\
&:= 5 + (((5 - (5+5)/5)^5) + 5555) \\
&:= 6 + ((6 \times 6+6) \times (66+66+6) + 6/6) \\
&:= 77 \times 77 - (77+7 \times 7) \\
&:= 8 + ((8 \times (8 \times 88+8) + (88/8)) + 88) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (99/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5804 &:= (1+1) \times ((1+1) \times ((11 \times (11 \times (1+11))) - 1)) \\
&:= 2 \times ((22^2 \times (2+2+2)) - 2) \\
&:= (3 \times (3+3))^3 - (3^3+3/3) \\
&:= (44 \times (4 \times 4 \times (4+4) + 4)) - 4 \\
&:= 5 + ((5+5) \times (555+5 \times 5) - 5/5) \\
&:= 6 + ((6 \times 6+6) \times (66+66+6) + ((6+6)/6)) \\
&:= 7/7 + (77 \times 77 - (77+7 \times 7)) \\
&:= 8 + ((8 \times 8 - 8/8) \times (8 \times 8/(8+8) + 88)) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (9/9+9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5805 &:= (1+1+1) \times ((1+1)^{11} - (1+1+111)) \\
&:= (2/2+2) \times ((2 \times 22)^2 - 2/2) \\
&:= (3 \times (3+3))^3 - 3^3 \\
&:= (4-4/4) \times (44 \times 44 - 4/4) \\
&:= 5 + (5+5) \times (555+5 \times 5) \\
&:= (6 \times 6 \times 6 - 6/6) \times ((66 \times 6/(6+6)) - 6) \\
&:= ((7/7-7) + 7 \times 7) \times (((7+7)/7)^7 + 7) \\
&:= 8 + (88/8 \times (((8 \times 8 \times 8 - 8/8) + 8) + 8)) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5806 &:= ((1+11) \times ((11+11)^{1+1}) - 1 - 1) \\
&:= (2 \times (22^2 \times (2+2+2))) - 2 \\
&:= 3/3 + ((3 \times (3+3))^3 - 3^3) \\
&:= (44 \times (4 \times 4 \times (4+4) + 4)) - (4+4)/4 \\
&:= 5 + ((5+5) \times (555+5 \times 5) + 5/5) \\
&:= 6 + (((6+6)/6+6) \times ((66 \times 66 - 6)/6)) \\
&:= 77 \times 77 - ((777+77+7)/7) \\
&:= 8 \times (8 \times 88+8) + (888-8)/8 \\
&:= 9/9 + (9 \times 9 \times (9 \times 9 - 9) - (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5807 &:= ((1+11) \times ((11+11)^{1+1}) - 1) \\
&:= (2 \times (22^2 \times (2+2+2))) - 2/2 \\
&:= 3 + ((3 \times (3+3))^3 - (3^3+3/3)) \\
&:= (44 \times (4 \times 4 \times (4+4) + 4)) - 4/4 \\
&:= 5 + ((5+5) \times (555+5 \times 5) + ((5+5)/5)) \\
&:= 66/6 + (6 \times 6+6) \times (66+66+6) \\
&:= 77 \times 77 - (777+77)/7 \\
&:= 888/8 + 8 \times (8 \times 88+8) \\
&:= ((9-9/9) \times (9 \times 9 \times 9 - ((9+9)/9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5808 &:= (1+11) \times ((11+11)^{1+1}) \\
&:= 2 \times (22^2 \times (2+2+2)) \\
&:= 3 + ((3 \times (3+3))^3 - 3^3) \\
&:= 44 \times (4 \times 4 \times (4+4) + 4) \\
&:= 5 + (((5-5)/5)^5 + 5555) + 5) \\
&:= 66 \times (((66+66)/6) + 66) \\
&:= 7 + (77 \times 77 - ((7+7)/7)^7) \\
&:= 88 \times (((8+8)/8) + 8 \times 8) \\
&:= (9-9/9) \times (9 \times 9 \times 9 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5809 &:= 1 + ((1+11) \times ((11+11)^{1+1})) \\
&:= 2/2 + (2 \times (22^2 \times (2+2+2))) \\
&:= 3 + (((3 \times (3+3))^3 - 3^3) + 3/3) \\
&:= 4/4 + (44 \times (4 \times 4 \times (4+4) + 4)) \\
&:= ((5/5+5) \times ((5-5/5)^5 - 55)) - 5 \\
&:= 6/6 + (66 \times (((66+66)/6) + 66)) \\
&:= ((77-7) \times (77-7/7+7)) - 7/7 \\
&:= 8/8 + (88 \times (((8+8)/8) + 8 \times 8)) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (99+99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5810 &:= 1 + (1 + ((1+11) \times ((11+11)^{1+1}))) \\
&:= 2 + (2 \times (22^2 \times (2+2+2))) \\
&:= 33/3 + ((3 \times (3+3))^3 - 33) \\
&:= (4+4)/4 + (44 \times (4 \times 4 \times (4+4) + 4)) \\
&:= 5 + ((5+5) \times (555+5 \times 5) + 5) \\
&:= (((6+6)/6)^6 + 6) \times (66/6 + 66 + 6) \\
&:= (77-7) \times (77-7/7+7) \\
&:= (8+8)/8 + (88 \times (((8+8)/8) + 8 \times 8)) \\
&:= (9 \times 9 - 99/9) \times (((9+9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5811 &:= (1+1+1) \times ((1+1)^{11} - 111) \\
&:= (2/2+2) \times ((2 \times 22)^2 + 2/2) \\
&:= 3 + (((3 \times (3+3))^3 - 3^3) + 3) \\
&:= (4-4/4) \times (44 \times 44 + 4/4) \\
&:= 55/5 + (5+5) \times (555+5 \times 5) \\
&:= 6 + ((6 \times 6 \times 6 - 6/6) \times ((66 \times 6/(6+6)) - 6)) \\
&:= 77 \times 77 - (777/7+7) \\
&:= 88/8 + ((88 \times (((8+8)/8) + 8 \times 8)) - 8) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - ((99+9)/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5812 &:= 1 + ((1+1+1) \times ((1+1)^{11} - 111)) \\
&:= 2 \times ((22^2 \times (2+2+2)) + 2) \\
&:= (3 \times (3+3))^3 - (33/3+3 \times 3) \\
&:= 4 + (44 \times (4 \times 4 \times (4+4) + 4)) \\
&:= 5555 + ((5^5 - 5)/(5+5) - 55) \\
&:= 6 \times 6 + (((((6+6)/6)^6 + 6) + 6)^{(6+6)/6}) \\
&:= 77 \times 77 + (((7-777)/7) - 7) \\
&:= 8 \times 8/(8+8) + (88 \times (((8+8)/8) + 8 \times 8)) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (99/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5813 &:= 1 + (1 + ((1+1+1) \times ((1+1)^{11} - 111))) \\
&:= 2 + ((2/2+2) \times ((2 \times 22)^2 + 2/2)) \\
&:= (3 \times (3+3))^3 - ((3 \times (3+3)) + 3/3) \\
&:= 4 + ((44 \times (4 \times 4 \times (4+4) + 4)) + 4/4) \\
&:= 5^5 + ((5 \times 5 - 5/5) \times (555+5)/5) \\
&:= 666 + (66 \times (66+6+6) - 6/6) \\
&:= 77 \times 77 + (((7-777) + 7)/7) - 7) \\
&:= (8 \times ((8 \times 88 + 8 + 8) + 8)) - 88/8 \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (9/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5814 &:= (1+1+1) \times (1 + ((1+1)^{11} - 111)) \\
&:= (2/2+2) \times ((2 \times 22)^2 + 2) \\
&:= (3 \times (3+3))^3 - (3 \times (3+3)) \\
&:= (4-4/4) \times (44 \times 44 + (4+4)/4) \\
&:= (5/5+5) \times ((5-5/5)^5 - 55) \\
&:= 666 + 66 \times (66+6+6) \\
&:= ((77-7)/7+7) \times (7 \times 7 \times 7 - 7/7) \\
&:= (8 - (8+8)/8) \times ((88 \times 88 + 8)/8) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5815 &:= 1 + ((1+1+1) \times (1 + ((1+1)^{11} - 111))) \\
&:= 2/2 + ((2/2+2) \times ((2 \times 22)^2 + 2)) \\
&:= 3/3 + ((3 \times (3+3))^3 - (3 \times (3+3))) \\
&:= 4 + ((4-4/4) \times (44 \times 44 + 4/4)) \\
&:= 5 + (((5+5) \times (555+5 \times 5) + 5) + 5) \\
&:= 6/6 + (66 \times (66+6+6) + 666) \\
&:= 7 + ((77 \times 77 - ((7+7)/7)^7) + 7) \\
&:= 8 + (8 \times (8 \times 88 + 8) + 888/8) \\
&:= 9/9 + (9 \times 9 \times (9 \times 9 - 9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5816 &:= (11 \times (1+11+11)^{1+1}) - 1 - 1 - 1 \\
&:= 2 + ((2/2+2) \times ((2 \times 22)^2 + 2)) \\
&:= 33/3 + ((3 \times (3+3))^3 - 3^3) \\
&:= 4 + ((44 \times (4 \times 4 \times (4+4) + 4)) + 4) \\
&:= 5 + ((5+5) \times (555+5 \times 5) + (55/5)) \\
&:= ((6+6)/6+6) \times ((66 \times 66+6)/6) \\
&:= (7/7+7) \times (777 - (7/7+7 \times 7)) \\
&:= 8 + (88 \times (((8+8)/8) + 8 \times 8)) \\
&:= (9-9/9) \times (9 \times 9 \times 9 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5817 &:= (11 \times (1+11+11)^{1+1}) - 1 - 1 \\
&:= (22/2 \times ((22+2/2)^2)) - 2 \\
&:= 3 + ((3 \times (3+3))^3 - (3 \times (3+3))) \\
&:= (4-4/4) \times ((44 \times 44 - 4/4) + 4) \\
&:= ((55/5+5) + 5) \times (5 \times 55 + ((5+5)/5)) \\
&:= 6/6 + (((6+6)/6+6) \times ((66 \times 66+6)/6)) \\
&:= 7 + ((77-7) \times (77-7/7+7)) \\
&:= 8 + ((88 \times (((8+8)/8) + 8 \times 8)) + 8/8) \\
&:= 9 + ((9-9/9) \times (9 \times 9 \times 9 - ((9+9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5818 &:= (11 \times (1+11+11)^{1+1}) - 1 \\
&:= ((2+2+2) \times (2 \times 22^2 + 2)) - 2 \\
&:= (3 \times (3+3))^3 - (33/3+3) \\
&:= 4 + ((4-4/4) \times (44 \times 44 + (4+4)/4)) \\
&:= 5 \times 55 + (5555 - ((55+5)/5)) \\
&:= 6 + (((((6+6)/6)^6 + 6) + 6)^{(6+6)/6}) + 6 \times 6) \\
&:= 77 \times 77 - 777/7 \\
&:= 8 + ((88 \times (((8+8)/8) + 8 \times 8)) + ((8+8)/8)) \\
&:= ((9-99)/(9+9)) + (9 \times 9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5819 &:= 11 \times (1+11+11)^{1+1} \\
&:= 22/2 \times ((22+2/2)^2) \\
&:= ((3-33)/3) + ((3 \times (3+3))^3 - 3) \\
&:= 44/4 + (44 \times (4 \times 4 \times (4+4) + 4)) \\
&:= 5 + ((5/5+5) \times ((5-5/5)^5 - 55)) \\
&:= 66/6 \times ((66 \times ((6+6)/6+6) + 6/6)) \\
&:= 77 \times 77 + ((7-777)/7) \\
&:= 88/8 + (88 \times (((8+8)/8) + 8 \times 8)) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (99+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5820 &:= 1 + (11 \times (1+11+11)^{1+1}) \\
&:= (2+2+2) \times (2 \times 22^2 + 2) \\
&:= (3 \times (3+3))^3 - (3 \times 3+3) \\
&:= (4-4/4) \times (44 \times 44 + 4) \\
&:= 5^5 + (55 \times (55 - (5/5+5))) \\
&:= ((6+6+6)^{6 \times 6/(6+6)}) - 6 - 6 \\
&:= 77 \times 77 + (((7-777) + 7)/7) \\
&:= ((88+8)/8) + (88 \times (((8+8)/8) + 8 \times 8)) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5821 &:= 1 + (1 + (11 \times (1+11+11)^{1+1})) \\
&:= 2 + (22/2 \times ((22+2/2)^2)) \\
&:= (3 \times (3+3))^3 - 33/3 \\
&:= 4/4 + ((4-4/4) \times (44 \times 44 + 4)) \\
&:= 5^5 + ((55 \times (55 - (5/5+5))) + 5/5) \\
&:= ((6+6+6)^{6 \times 6/(6+6)}) - 66/6 \\
&:= 7 \times 7 \times 77 + (((7+7)/7)^{7/7}) \\
&:= 8 + ((8 \times ((8 \times 88 + 8 + 8) + 8)) - (88/8)) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5822 &:= 1 + (1 + (1 + (11 \times (1+11+11)^{1+1}))) \\
&:= 2 + ((2+2+2) \times (2 \times 22^2 + 2)) \\
&:= ((3-33)/3) + (3 \times (3+3))^3 \\
&:= (4+4)/4 + ((4-4/4) \times (44 \times 44 + 4)) \\
&:= (5+5)/5 \times (((55-5/5)^{(5+5)/5}) - 5) \\
&:= 6 + (((6+6)/6+6) \times ((66 \times 66+6)/6)) \\
&:= 7 + (((77 \times 77 - ((7+7)/7)^7) + 7) + 7) \\
&:= (8 \times ((8 \times 88 + 8 + 8) + 8)) - (8+8)/8 \\
&:= 9 \times 9 \times (9 \times 9 - 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5823 &:= ((1+1)^{1+1}) + (((1+11)^{1+1+1}) - 1) \\
&:= 2 + ((22/2 \times ((22+2/2)^2)) + 2) \\
&:= (3 \times (3+3))^3 - 3 \times 3 \\
&:= (4 - 4/4) \times ((44 \times 44 + 4/4) + 4) \\
&:= 5 \times 5 + (((5 - (5+5)/5)^5) + 5555) \\
&:= (((6-66) + 6)/6) + (((6+6+6)^{6 \times 6/(6+6)}) - 6) \\
&:= 77 \times 77 - ((7 \times (7+7) + 7/7) + 7) \\
&:= (8 \times ((8 \times 88 + 8+8) + 8)) - 8/8 \\
&:= 9 \times 9 \times (9 \times 9 - 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5824 &:= ((1+1)^{1+1}) + ((1+11)^{1+1+1}) \\
&:= (22+2+2) \times (222+2) \\
&:= 3 + ((3 \times (3+3))^3 - 33/3) \\
&:= 4 \times (4 \times (44+4^4) + 4^4) \\
&:= 5^5 + (((5+5) \times (5 \times 55 - 5)) - 5/5) \\
&:= (6/6+6) \times ((6/6+6+6) \times ((6+6)/6)^6) \\
&:= (7/7+7) \times (777-7 \times 7) \\
&:= 8 \times ((8 \times 88 + 8+8) + 8) \\
&:= 9/9 + (9 \times 9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5825 &:= 1 + (((1+1)^{1+1}) + ((1+11)^{1+1+1})) \\
&:= 2/2 + ((22+2+2) \times (222+2)) \\
&:= (3 \times (3+3))^3 - (3/3+3+3) \\
&:= 4/4 + (4 \times (4 \times (44+4^4) + 4^4)) \\
&:= 5^5 + ((5+5) \times (5 \times 55 - 5)) \\
&:= ((6+6+6)^{6 \times 6/(6+6)}) - 6/6 - 6 \\
&:= 7 + (77 \times 77 - 777/7) \\
&:= 8/8 + (8 \times ((8 \times 88 + 8+8) + 8)) \\
&:= (9+9)/9 + (9 \times 9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5826 &:= 1 + (1 + (((1+1)^{1+1}) + ((1+11)^{1+1+1}))) \\
&:= 2 + ((22+2+2) \times (222+2)) \\
&:= (3 \times (3+3))^3 - 3 - 3 \\
&:= (4+4)/4 + (4 \times (4 \times (44+4^4) + 4^4)) \\
&:= 5^5 + (((5+5) \times (5 \times 55 - 5)) + 5/5) \\
&:= ((6+6+6)^{6 \times 6/(6+6)}) - 6 \\
&:= 7 + (((7-777)/7) + 77 \times 77) \\
&:= (8+8)/8 + (8 \times ((8 \times 88 + 8+8) + 8)) \\
&:= ((9+9+9)/9) + (9 \times 9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5827 &:= (11 \times (1 + (1 + 11 + 11)^{1+1})) - 1 - 1 - 1 \\
&:= 2 + (((22+2+2) \times (222+2)) + 2/2) \\
&:= 3/3 + ((3 \times (3+3))^3 - (3+3)) \\
&:= 4 + (((4-4/4) \times ((44 \times 44 + 4/4) + 4)) \\
&:= ((5 \times 5 - 5/5) \times ((5 - (5+5)/5)^5)) - 5 \\
&:= 6/6 + (((6+6+6)^{6 \times 6/(6+6)}) - 6) \\
&:= 7 + (((7-777) + 7)/7) + 77 \times 77 \\
&:= 8 + ((88 \times (((8+8)/8) + 8 \times 8)) + (88/8)) \\
&:= ((9-99)/(9+9)) + 9 \times 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5828 &:= (11 \times (1 + (1 + 11 + 11)^{1+1})) - 1 - 1 \\
&:= 2 \times (((2+2+2) \times (22^2+2)) - 2) \\
&:= (3 \times (3+3))^3 - (3/3+3) \\
&:= 4 + (4 \times (4 \times (44+4^4) + 4^4)) \\
&:= 5 \times 55 + (5555 - ((5+5)/5)) \\
&:= (6+6)/6 + (((6+6+6)^{6 \times 6/(6+6)}) - 6) \\
&:= 77 \times 77 - (7777/77) \\
&:= 8 \times 8/(8+8) + (8 \times ((8 \times 88 + 8+8) + 8)) \\
&:= ((9-9 \times 9)/(9+9)) + 9 \times 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5829 &:= (11 \times (1 + (1 + 11 + 11)^{1+1})) - 1 \\
&:= ((2^{2+2} + 2)^{2/2+2}) - 2/2 - 2 \\
&:= (3 \times (3+3))^3 - 3 \\
&:= 4 + ((4 \times (4 \times (44+4^4) + 4^4)) + 4/4) \\
&:= 5 \times 55 + (5555 - 5/5) \\
&:= ((6+6+6)^{6 \times 6/(6+6)}) - 6 \times 6/(6+6) \\
&:= 77 \times 77 + ((77-777)/7) \\
&:= (8/8 - 88) \times (8 - (88/8 + 8 \times 8)) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5830 &:= 11 \times (1 + (1 + 11 + 11)^{1+1}) \\
&:= ((2^{2+2} + 2)^{2/2+2}) - 2 \\
&:= 3/3 + ((3 \times (3+3))^3 - 3) \\
&:= (4^4 - 44)/4 \times (444 - 4)/4 \\
&:= 55 \times (555/5 - 5) \\
&:= ((6+6+6)^{6 \times 6/(6+6)}) - (6+6)/6 \\
&:= 77 \times 77 - (7 \times (7+7) + 7/7) \\
&:= (8 \times 8 - 88/8) \times (888 - 8)/8 \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5831 &:= ((1+1) \times (11-1-1))^{1+1+1} - 1 \\
&:= ((2^{2+2} + 2)^{2/2+2}) - 2/2 \\
&:= (3 \times (3+3))^3 - 3/3 \\
&:= (((4+4)/4 + 4 \times 4)^{4-4/4}) - 4/4 \\
&:= 5/5 + (5555 + 5 \times 55) \\
&:= ((6+6+6)^{6 \times 6/(6+6)}) - 6/6 \\
&:= 7 \times ((777+7 \times 7) + 7) \\
&:= 8 + ((8 \times ((8 \times 88 + 8+8) + 8)) - 8/8) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5832 &:= ((1+1) \times (11-1-1))^{1+1+1} \\
&:= (2^{2+2} + 2)^{2/2+2} \\
&:= (3 \times (3+3))^3 \\
&:= ((4+4)/4 + 4 \times 4)^{4-4/4} \\
&:= (5 \times 5 - 5/5) \times ((5 - (5+5)/5)^5) \\
&:= (6+6+6)^{6 \times 6/(6+6)} \\
&:= (77/7+7)^{(7+7+7)/7} \\
&:= 8 + (8 \times ((8 \times 88 + 8+8) + 8)) \\
&:= 9 \times 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5833 &:= ((1+1) \times (11-1-1))^{1+1+1} + 1 \\
&:= 2/2 + ((2^{2+2} + 2)^{2/2+2}) \\
&:= 3/3 + (3 \times (3+3))^3 \\
&:= 4/4 + (((4+4)/4 + 4 \times 4)^{4-4/4}) \\
&:= 5 + ((5555 - ((5+5)/5)) + 5 \times 55) \\
&:= 6/6 + (((6+6+6)^{6 \times 6/(6+6)}) - 6) \\
&:= 7/7 + ((77/7+7)^{(7+7+7)/7}) \\
&:= 8 + ((8 \times ((8 \times 88 + 8+8) + 8)) + 8/8) \\
&:= 9/9 + 9 \times 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5834 &:= 1 + (1 + ((1+1) \times (11-1-1))^{1+1+1})) \\
&:= 2 + ((2^{2+2} + 2)^{2/2+2}) \\
&:= 3 + ((3 \times (3+3))^3 - 3/3) \\
&:= 4 + ((4^4 - 44)/4 \times (444 - 4)/4) \\
&:= 5 + ((5555 - 5/5) + 5 \times 55) \\
&:= (6+6)/6 + (((6+6+6)^{6 \times 6/(6+6)}) - 6) \\
&:= 77 \times 77 - ((77/7+7) + 7) \\
&:= 8 + ((8 \times ((8 \times 88 + 8+8) + 8)) + ((8+8)/8)) \\
&:= (9+9)/9 + 9 \times 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5835 &:= ((1+1) \times (11-1-1))^{1+1+1} + 1 + 1 + 1 \\
&:= 2 + (((2^{2+2} + 2)^{2/2+2}) + 2/2) \\
&:= 3 + (3 \times (3+3))^3 \\
&:= 4 + (((4+4)/4 + 4 \times 4)^{4-4/4}) - 4/4 \\
&:= 5 + (5555 + 5 \times 55) \\
&:= (6 \times 6/(6+6)) + (((6+6+6)^{6 \times 6/(6+6)}) - 6) \\
&:= 7 + (77 \times 77 - (7777/77)) \\
&:= 88/8 + (8 \times ((8 \times 88 + 8+8) + 8)) \\
&:= ((9+9+9)/9) + 9 \times 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5836 &:= ((1+1) \times (11-1-1))^{1+1+1} + 1 + 1 + 1 + 1 \\
&:= 2 + (((2^{2+2} + 2)^{2/2+2}) + 2) \\
&:= 3 + ((3 \times (3+3))^3 + 3/3) \\
&:= 4 + (((4+4)/4 + 4 \times 4)^{4-4/4}) \\
&:= 5 + ((5555 + 5 \times 55) + 5/5) \\
&:= 6 + (((6+6+6)^{6 \times 6/(6+6)}) - ((6+6)/6)) \\
&:= 7 + (((77-777)/7) + 77 \times 77) \\
&:= ((88+8)/8) + (8 \times ((8 \times 88 + 8+8) + 8)) \\
&:= 9 \times 9 \times (9 \times 9 - 9) + ((9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5837 &:= (1+1+11) \times (1 + ((1+1) \times ((1+1) \times (1+11)))) \\
&:= 2 + (((2^{2+2} + 2)^{2/2+2}) + 2/2) + 2 \\
&:= 3 + (((3 \times (3+3))^3 - 3/3) + 3) \\
&:= 4 + (((4+4)/4 + 4 \times 4)^{4-4/4}) + 4/4 \\
&:= 5 + ((5 \times 5 - 5/5) \times ((5 - (5+5)/5)^5)) \\
&:= 6 + (((6+6+6)^{6 \times 6/(6+6)}) - 6/6) \\
&:= 7 + (77 \times 77 - (7 \times (7+7) + 7/7)) \\
&:= 8 + ((8/8 - 88) \times (8 - (88/8 + 8 \times 8))) \\
&:= 9 \times 9 \times (9 \times 9 - 9) + ((9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5838 &:= (1+1) \times (11111 - ((1+1)^{1+1+11})) \\
&:= 2 + (((2^{2+2} + 2)^{2/2+2}) + 2) + 2 \\
&:= 3 + ((3 \times (3+3))^3 + 3) \\
&:= (4 - 4/4) \times (44 \times 44 + (44 - 4)/4) \\
&:= 5^5 + (((5 - 5^5)/(5+5)) + 55 \times 55) \\
&:= 6 + ((6+6+6)^{6 \times 6/(6+6)}) \\
&:= 7 + (7 \times ((777 + 7 \times 7) + 7)) \\
&:= 8 + ((8 \times 8 - 88/8) \times (888 - 8)/8) \\
&:= 9 + (9 \times 9 \times (9 \times 9 - 9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5839 &:= ((11-1) \times (1+1)^{11}) - (11^{1+1+1+1}) \\
&:= (22/2 \times (((22+2/2)^2) + 2)) - 2 \\
&:= 3 + (((3 \times (3+3))^3 + 3/3) + 3) \\
&:= (4+4)^4 + ((4 \times (444 - (4+4))) - 4/4) \\
&:= 5 + (((5555 - 5/5) + 5 \times 55) + 5) \\
&:= 6 + (((6+6+6)^{6 \times 6/(6+6)}) + 6/6) \\
&:= 7 + ((77/7 + 7)^{(7+7+7)/7}) \\
&:= ((88-8) \times ((8/8 + 8 \times 8) + 8)) - 8/8 \\
&:= 9 + (9 \times 9 \times (9 \times 9 - 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5840 &:= (11 \times (1 + (1 + (1 + 11 + 11)^{1+1}))) - 1 \\
&:= 2 \times (((2+2+2) \times (22^2 + 2)) + 2) + 2 \\
&:= 3 \times 3 + ((3 \times (3+3))^3 - 3/3) \\
&:= 4 \times ((4 \times (44 + 4^4) + 4^4) + 4) \\
&:= 5 + ((5555 + 5 \times 55) + 5) \\
&:= 6 + (((6+6+6)^{6 \times 6/(6+6)}) + ((6+6)/6)) \\
&:= 77 \times 77 - ((77+7)/7 + 77) \\
&:= (88-8) \times ((8/8 + 8 \times 8) + 8) \\
&:= 9 + (9 \times 9 \times (9 \times 9 - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5841 &:= 11 \times (1 + (1 + (1 + 11 + 11)^{1+1})) \\
&:= 22/2 \times (((22+2/2)^2) + 2) \\
&:= 3 \times 3 + (3 \times (3+3))^3 \\
&:= (4 - 4/4) \times (44 \times 44 + 44/4) \\
&:= 5 \times 55 + (5555 + (55/5)) \\
&:= (66 \times 6/(6+6)) \times (666/6 + 66) \\
&:= 77/7 \times (7 \times 77 - (7/7 + 7)) \\
&:= 8/8 + ((88-8) \times ((8/8 + 8 \times 8) + 8)) \\
&:= 9 + 9 \times 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5842 &:= 1 + (11 \times (1 + (1 + (1 + 11 + 11)^{1+1}))) \\
&:= (22 + 2/2) \times (2^{2 \times (2+2)} - 2) \\
&:= 3 \times 3 + ((3 \times (3+3))^3 + 3/3) \\
&:= ((4+4)/4 - 4^4) \times (4 - (44/4 + 4 \times 4)) \\
&:= 5 + (((5 \times 5 - 5/5) \times ((5 - (5+5)/5)^5) + 5) \\
&:= 66 + (((((6+6)/6)^6 + 6) + 6)^{(6+6)/6}) \\
&:= 77/7 + (7 \times ((777 + 7 \times 7) + 7)) \\
&:= ((8/8 + 8 \times 8) \times ((8+8)/8 + 88)) - 8 \\
&:= 9 + 9 \times 9 \times (9 \times 9 - 9) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5843 &:= 11 + ((1+1) \times (11 - 1 - 1))^{1+1+1} \\
&:= 2 + (22/2 \times (((22+2/2)^2) + 2)) \\
&:= 33/3 + (3 \times (3+3))^3 \\
&:= 44/4 + (((4+4)/4 + 4 \times 4)^{4-4/4}) \\
&:= 5^5 + (5 \times 555 - ((5+5)/5 + 55)) \\
&:= 66/6 + (((6+6+6)^{6 \times 6/(6+6)}) \\
&:= 77 \times 77 - (((7+7)/7 + 77) + 7) \\
&:= 8 + ((8 \times (8 \times 88 + 8 + 8) + 8)) + (88/8) \\
&:= 99/9 + 9 \times 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5844 &:= 1 + 11 + ((1+1) \times (11 - 1 - 1))^{1+1+1} \\
&:= (2+2+2) \times ((2 \times (22^2 + 2)) + 2) \\
&:= 3 + ((3 \times (3+3))^3 + 3 \times 3) \\
&:= 4 + ((4 \times (444 - (4+4))) + (4+4)^4) \\
&:= 5^5 + (5 \times 555 - 55 - 5/5) \\
&:= 6 + (((6+6+6)^{6 \times 6/(6+6)}) + 6) \\
&:= 77 \times 77 - (7/7 + 77 + 7) \\
&:= 8 + ((8 \times (8 \times 88 + 8 + 8) + 8)) + ((88+8)/8) \\
&:= (99+9)/9 + 9 \times 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5845 &:= 1 + 1 + 11 + ((1+1) \times (11 - 1 - 1))^{1+1+1} \\
&:= 2 + ((22/2 \times (((22+2/2)^2) + 2)) + 2) \\
&:= 3 + (((3 \times (3+3))^3 + 3/3) + 3 \times 3) \\
&:= 4 + ((4 - 4/4) \times (44 \times 44 + 44/4)) \\
&:= 5^5 + (5 \times 555 - 55) \\
&:= 6 + (((6+6+6)^{6 \times 6/(6+6)}) + 6/6 + 6) \\
&:= 77 \times 77 - 77 - 7 \\
&:= (8 - 8/8) \times ((88/8 - 8 \times 8) + 888) \\
&:= 9 \times 9 \times (9 \times 9 - 9) + ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5846 &:= 1 + 1 + 1 + 11 + ((1+1) \times (11 - 1 - 1))^{1+1+1} \\
&:= 2 + ((2+2+2) \times ((2 \times (22^2 + 2)) + 2)) \\
&:= 3 + ((3 \times (3+3))^3 + 33/3) \\
&:= ((44+4/4) \times ((4^4 + 4)/((4+4)/4))) - 4 \\
&:= 5^5 + ((5 \times 555 - 55) + 5/5) \\
&:= 6 + (((6+6+6)^{6 \times 6/(6+6)}) + ((6+6)/6) + 6) \\
&:= 7/7 + (77 \times 77 - (77+7)) \\
&:= 88 + (8 \times (8 \times 88 + 8 + 8) - ((8+8)/8)) \\
&:= 9 + (9 \times 9 \times (9 \times 9 - 9) + ((9 \times 9 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5847 &:= (1+1+1) \times (1 + (11 + ((1+1)^{11} - 111))) \\
&:= 222 + ((2^{2+2+2} + 22/2)^2) \\
&:= 3 + (((3 \times (3+3))^3 + 3 \times 3) + 3) \\
&:= (44/4 \times (4/4 + 4^4) - (4 \times 4^4 + 4)) \\
&:= 5^5 + ((5 \times 555 - 55) + ((5+5)/5)) \\
&:= 6 + ((66 \times 6/(6+6)) \times (666/6 + 66)) \\
&:= (7+7)/7 + (77 \times 77 - (77+7)) \\
&:= 88 + (8 \times (8 \times 88 + 8 + 8) - 8/8) \\
&:= 9 + ((9 \times 9 \times (9 \times 9 - 9) - ((9+9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5848 &:= (1+1) \times ((1+1) \times ((11 \times (1 + (11 \times (1 + 11)))) - 1)) \\
&:= 2 \times (((22^2 \times (2+2+2)) - 2) + 22) \\
&:= 3^3 + ((3 \times (3+3))^3 - 33/3) \\
&:= 4 \times 4 + (((4+4)/4 + 4 \times 4)^{4-4/4}) \\
&:= 5^5 + ((5 \times (555 - 5 - 5)) - ((5+5)/5)) \\
&:= ((6+6)/6 + 6) \times (((66 \times 66 - 6)/6) + 6) \\
&:= 7 + (77/7 \times (7 \times 77 - (7/7 + 7))) \\
&:= 88 + 8 \times (8 \times 88 + 8 + 8) \\
&:= (9 - 9/9) \times (9 \times 9 \times 9 + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5849 &:= 1 + ((1+1) \times ((1+1) \times ((11 \times (1 + (11 \times (1 + 11)))) - 1))) \\
&:= (22 \times (222 + 2 \times 22)) - 2/2 - 2 \\
&:= 3 + (((3 \times (3+3))^3 + 33/3) + 3) \\
&:= 44 + ((4 - 4/4) \times (44 \times 44 - 4/4)) \\
&:= 5^5 + ((5 \times (555 - 5 - 5)) - 5/5) \\
&:= 6 + (((6+6+6)^{6 \times 6/(6+6)}) + (66/6)) \\
&:= 77 \times 77 - ((7+7+7)/7 + 77) \\
&:= (88/8 - 8)^8 - (8 \times 88 + 8) \\
&:= 9 + ((9 \times 9 \times (9 \times 9 - 9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5850 &:= (1+1) \times ((1+1+11) \times (1 + ((1+1) \times (1 + 11)))) \\
&:= (22 \times (222 + 2 \times 22)) - 2 \\
&:= (3 \times (3+3)) + (3 \times (3+3))^3 \\
&:= (44 + 4/4) \times ((4^4 + 4)/((4+4)/4)) \\
&:= 5^5 + (5 \times (555 - 5 - 5)) \\
&:= 666 + (6 \times (6 \times (6+6) \times (6+6))) \\
&:= 77 \times 77 - ((7+7)/7 + 77) \\
&:= (8/8 + 8 \times 8) \times ((8+8)/8 + 88) \\
&:= 9 + (9 \times 9 \times (9 \times 9 - 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5851 &:= ((1+1) \times ((1+1) \times (11 \times (1 + (11 \times (1 + 11)))))) - 1 \\
&:= (22 \times (222 + 2 \times 22)) - 2/2 \\
&:= 3/3 + ((3 \times (3+3))^3 + (3 \times (3+3))) \\
&:= (44/4 \times (4/4 + 4^4) - 4 \times 4^4) \\
&:= 5 \times 5 \times 5 \times 55 - (5 - 5/5)^5 \\
&:= 6/6 + ((6 \times (6 \times (6+6) \times (6+6))) + 666) \\
&:= 77 \times 77 - 7/7 - 77 \\
&:= 8/8 + ((8/8 + 8 \times 8) \times ((8+8)/8 + 88)) \\
&:= 9 + (9 \times 9 \times (9 \times 9 - 9) + 9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5852 &:= (1+1) \times ((1+1) \times (11 \times (1 + (11 \times (1 + 11)))))) \\
&:= 22 \times (222 + 2 \times 22) \\
&:= 3 \times 3 + ((3 \times (3+3))^3 + 33/3) \\
&:= 44 + (44 \times (4 \times 4 \times (4+4) + 4)) \\
&:= 5^5 + ((5 \times (555 - 5 - 5)) + ((5+5)/5)) \\
&:= (66/6 + 66) \times (((6+6)/6)^6 + 6) + 6 \\
&:= 77 \times (77 - 7/7) \\
&:= 88/8 \times (((88+8)/8) + 8 \times 8 \times 8) + 8 \\
&:= 9 + (9 \times 9 \times (9 \times 9 - 9) + (99/9))
\end{aligned}$$

- **5853** := $1 + ((1 + 1) \times ((1 + 1) \times (11 \times (1 + (11 \times (1 + 11))))))$ ► **5858** := $(1 + 1) \times (1 + ((1 + 1) \times ((1 + 11) \times (1 + 11^{1+1})))$ ► **5863** := $11 \times (1 + (1 + (1 + (1 + (1 + 11 + 11)^{1+1})))$
:= $2/2 + (22 \times (222 + 2 \times 22))$:= $2 + ((22 + 2) \times (22^2/2 + 2))$:= $22/2 \times (((22 + 2/2)^2) + 2) + 2$
:= $3 + ((3 \times (3 + 3))^3 + (3 \times (3 + 3)))$:= $3^3 + ((3 \times (3 + 3))^3 - 3/3)$:= $3 + (((3 \times (3 + 3))^3 + 3^3) + 3/3)$
:= $(4 - 4/4)^{4+4} - 4 \times 4 \times 44 + 4$:= $4/4 + (((4 - 4/4)^{4+4}) - 4 \times 4 \times 44)$:= $4 + (((4^4 - 4)/4) \times (((4 + 4)^4 - 4)/44))$
:= $55 + (((5 - (5 + 5)/5)^5) + 5555)$:= $5555 + ((5^5 + 5)/(5 + 5) - (5 + 5))$:= $5555 + ((5^5 + 5)/(5 + 5) - 5)$
:= $((6/6 + 6) \times ((66 \times 66 + 666)/6)) - 6$:= $((6 + 6)/6)^6 - 6 \times ((66 - 6/6) + 6 \times 6)$:= $(6 \times 66 \times (6 + 6)) + (6666/6)$
:= $7/7 + (77 \times (77 - 7/7))$:= $7 + (77 \times 77 - (7/7 + 77))$:= $77/7 + (77 \times (77 - 7/7))$
:= $8 + ((8 - 8/8) \times ((88/8 - 8 \times 8) + 888))$:= $8 + ((8/8 + 8 \times 8) \times ((8 + 8)/8 + 88))$:= $888/8 + (8 \times (8 \times 88 + 8 + 8) - 8)$
:= $9 + (9 \times 9 \times (9 \times 9 - 9) + (99 + 9)/9)$:= $9 + (((9 \times 9 \times (9 \times 9 - 9) - 9/9) + 9) + 9)$:= $9 + (9 \times 9 \times (9 \times 9 - 9) + ((99 + 99)/9))$
- **5854** := $11 + 11 + ((1 + 1) \times (11 - 1 - 1))^{1+1+1}$ ► **5859** := $(1 + (((1 + 1) \times (1 + 1 + 11))^{1+1+1}))/ (1 + 1 + 1)$ ► **5864** := $111 + (11 \times (11 + (1 + 1)^{11-1-1}))$
:= $2 + (22 \times (222 + 2 \times 22))$:= $2 + (((22 + 2) \times (22^2/2 + 2)) + 2/2)$:= $2 \times (2 \times ((2 + 2 + 2)^2 + 2)^2 + 22)$
:= $33 + ((3 \times (3 + 3))^3 - 33/3)$:= $3^3 + (3 \times (3 + 3))^3$:= $33 + ((3 \times (3 + 3))^3 - 3/3)$
:= $4 + ((44 + 4/4) \times ((4^4 + 4)/((4 + 4)/4)))$:= $((4^4 - 4)/4) \times (((4 + 4)^4 - 4)/44)$:= $(4 + 4)^4 + (4 \times 444 - (4 + 4))$
:= $5555 + (5 \times (55 + 5) - 5/5)$:= $(5 - 5/5 + 5) \times ((5^5 + 5)/5 + 5 \times 5)$:= $5^5 + ((5 \times (5 + 5) \times 55) - (55/5))$
:= $6 + (((6 + 6)/6 + 6) \times (((66 \times 66 - 6)/6) + 6))$:= $(6/6 + 6) \times ((66 \times 66 + 666)/6)$:= $((6 + 6)/6 + 6) \times (((66 \times 66 + 6)/6) + 6)$
:= $(7 + 7)/7 + (77 \times (77 - 7/7))$:= $7 + (77 \times (77 - 7/7))$:= $77 \times 77 + ((77 + 7)/7 - 77)$
:= $8 \times 8 \times 88 + (((8 + 8)/8) \times 888/8)$:= $(8/8 + 8) \times (8 \times (88 - 8) + (88/8))$:= $8 + ((8 \times (8 \times 88 + 8 + 8) + 88) + 8)$
:= $9 \times 9 \times (9 \times 9 - 9) + ((99 + 99)/9)$:= $9 + ((9 \times 9 \times (9 \times 9 - 9) + 9) + 9)$:= $(9 - 9/9) \times (((9 \times 9 - 9)/(9 + 9)) + 9 \times 9 \times 9)$
- **5855** := $((1 + 1) \times ((1 + 1) \times ((1 + 11) \times (1 + 11^{1+1})))) - 1$ ► **5860** := $(1 + 1) \times ((1 + 1) \times (1 + ((1 + 11) \times (1 + 11^{1+1}))))$ ► **5865** := $(1 + (11 + 11)) \times (111 + (1 + 11)^{1+1})$
:= $((22 + 2) \times (22^2/2 + 2)) - 2/2$:= $2 + (((22 + 2) \times (22^2/2 + 2)) + 2)$:= $(22 + 2/2) \times (2^{2 \times (2+2)} - 2/2)$
:= $3^3 + ((3 \times (3 + 3))^3 - (3/3 + 3))$:= $3^3 + ((3 \times (3 + 3))^3 + 3/3)$:= $33 + (3 \times (3 + 3))^3$
:= $(4 + 4)^4 + (4 \times (444 - 4) - 4/4)$:= $4 + (4 \times (444 - 4) + (4 + 4)^4)$:= $(4^4 - 4/4) \times (((44/4 + 4) + 4) + 4)$
:= $5555 + 5 \times (55 + 5)$:= $5 + (5555 + 5 \times (55 + 5))$:= $5^5 + ((5 + 5) \times (5 \times 55 - 5/5))$
:= $(6 - 6/6) \times (((6666/6) - 6) + 66)$:= $((6 + 6)/6)^{6+6} + (6 \times 6 + 6) \times (6 \times 6 + 6)$:= $6 + ((6/6 + 6) \times ((66 \times 66 + 666)/6))$
:= $77 \times 77 + (((7 + 7 + 7)/7) - 77)$:= $7 + ((77 \times (77 - 7/7)) + 7/7)$:= $7 + ((77 \times 77 - (7/7 + 77)) + 7)$
:= $8 + ((8 \times (8 \times 88 + 8 + 8) - 8/8) + 88)$:= $8 + ((8888/((8 + 8)/8)) + 88 \times (8 + 8))$:= $8 + ((88/8 - 8)^8 - 8 \times 88)$
:= $9 \times 9 \times (9 \times 9 - 9) + (99 + 99 + 9)/9$:= $9 + ((9 \times 9 \times (9 \times 9 - 9) + 9/9 + 9) + 9)$:= $9 + ((9 - 9/9) \times (((9 + 9 + 9)/9) + 9 \times 9 \times 9))$
- **5856** := $(1 + 1) \times ((1 + 1) \times ((1 + 11) \times (1 + 11^{1+1})))$ ► **5861** := $1 + ((1 + 1) \times ((1 + 1) \times (1 + ((1 + 11) \times (1 + 11^{1+1}))))$ ► **5866** := $1 + ((1 + (11 + 11)) \times (111 + (1 + 11)^{1+1}))$
:= $(22 + 2) \times (22^2/2 + 2)$:= $(22/2 \times (((22 + 2/2)^2) + 2) + 2) - 2$:= $(2^{2 \times (2+2)} \times (22 + 2/2)) - 22$
:= $3^3 + ((3 \times (3 + 3))^3 - 3)$:= $3 + (((3 \times (3 + 3))^3 - 3/3) + 3^3)$:= $3/3 + ((3 \times (3 + 3))^3 + 33)$
:= $4 \times ((4 \times 4^4 - 4) + 444)$:= $4 + (((4 - 4/4)^{4+4}) - 4 \times 4 \times 44)$:= $4^4 + ((4^4 - 4/4) \times (44/((4 + 4)/4)))$
:= $5 + (5 \times 5 \times 5 \times 55 - (5 - 5/5)^5)$:= $5 + ((5 \times 5 \times 5 \times 55 - (5 - 5/5)^5) + 5)$:= $5^5 + (((5 + 5) \times (5 \times 55 - 5/5)) + 5/5)$
:= $((6 + 6)/6 + 6) \times (666 + 66)$:= $6 + ((6 - 6/6) \times (((6666/6) - 6) + 66))$:= $6 + ((6 \times 6 + 6) \times (6 \times 6 + 6) + (((6 + 6)/6)^{6+6}))$
:= $77/7 + (77 \times 77 - (77 + 7))$:= $7 + ((77 \times (77 - 7/7)) + ((7 + 7)/7))$:= $7 + ((77 \times (77 - 7/7)) + 7)$
:= $8 + (8 \times (8 \times 88 + 8 + 8) + 88)$:= $8 \times 8 + (88/8 \times (((8 \times 8 \times 8 - 8/8) + 8) + 8))$:= $((8/8 + 88) \times (((8 + 8)/8) + 8 \times 8)) - 8$
:= $(9 - 9/9) \times (((9 + 9 + 9)/9) + 9 \times 9 \times 9)$:= $9 + ((9 \times 9 \times (9 \times 9 - 9) + (99/9)) + 9)$:= $9 + (((9 - 9/9) \times (9 \times 9 \times 9 + ((9 + 9)/9))) + 9)$
- **5857** := $1 + ((1 + 1) \times ((1 + 1) \times ((1 + 11) \times (1 + 11^{1+1}))))$ ► **5862** := $(1 + 1) \times (1 + ((1 + 1) \times (1 + ((1 + 11) \times (1 + 11^{1+1}))))$ ► **5867** := $11 + ((1 + 1) \times ((1 + 1) \times ((1 + 11) \times (1 + 11^{1+1}))))$
:= $2/2 + ((22 + 2) \times (22^2/2 + 2))$:= $((2 \times 2 \times (22 - 2) - 2)^2) - 222$:= $2 + ((22 + 2/2) \times (2^{2 \times (2+2)} - 2/2))$
:= $3^3 + (((3 \times (3 + 3))^3 - 3) + 3/3)$:= $3 + ((3 \times (3 + 3))^3 + 3^3)$:= $3 + (((3 \times (3 + 3))^3 - 3/3) + 33)$
:= $((4 - 4/4)^{4+4}) - 4 \times 4 \times 44$:= $(4 + 4)^4 + ((4 - 44)/4 + 4 \times 444)$:= $(4 + 4)^4 + (4 \times 444 - (4/4 + 4))$
:= $5 \times 5 + ((5 \times 5 - 5/5) \times ((5 - (5 + 5)/5)^5))$:= $5555 + (5^5 - 55)/(5 + 5)$:= $5555 + (5^5 - 5)/(5 + 5)$
:= $6/6 + (((6 + 6)/6 + 6) \times (666 + 66))$:= $6 + (((6 + 6)/6 + 6) \times (666 + 66))$:= $6 \times 6 + (((6 + 6 + 6)^{6 \times 6/(6+6)}) - 6/6)$
:= $7 + (77 \times 77 - ((7 + 7)/7 + 77))$:= $77 \times 77 + (((77 - 7)/7) - 77)$:= $7 + (((77 \times (77 - 7/7)) + 7/7) + 7)$
:= $(88/8 - 8)^8 - 8 \times 88$:= $(8 - (8 + 8)/8) \times (((88 \times 88 + 8)/8) + 8)$:= $8 + ((8/8 + 8) \times (8 \times (88 - 8) + (88/8)))$
:= $9 + ((9 - 9/9) \times (9 \times 9 \times 9 + ((9 + 9)/9)))$:= $999/9 + 9 \times (9 \times (9 \times 9 - 9) - 9)$:= $9 + (((9 \times 9 \times (9 \times 9 - 9) - 9/9) + 9) + 9) + 9$

- **5868** := $(1 + 11) \times (1 + ((1 + 1) \times ((1 + 1) \times (1 + 11^{1+1}))))$
:= $(2/2 + 2) \times (((2 \times 22)^2 - 2) + 22)$
:= $3 + ((3 \times (3 + 3))^3 + 33)$
:= $(4 + 4)^4 + (4 \times 444 - 4)$
:= $5555 + (5^5 + 5)/(5 + 5)$
:= $6 \times (((6 + 6 + 6) \times (66 - 6 - 6)) + 6)$
:= $(77 + 7)/7 \times (7 \times (77 - 7) - 7/7)$
:= $88/8 + ((88/8 - 8)^8 - 8 \times 88)$
:= $9 + (((9 \times 9 \times (9 \times 9 - 9) + 9) + 9) + 9)$
- **5869** := $((11 - 1) \times (11 + (((1 + 1) \times (1 + 11))^{1+1}))) - 1$
:= $2 + (((22 + 2/2) \times (2^{2 \times (2+2)} - 2/2)) + 2)$
:= $3 + (((3 \times (3 + 3))^3 + 3/3) + 33)$
:= $4/4 + ((4 \times 444 - 4) + (4 + 4)^4)$
:= $5^5 + ((5 \times (5 + 5) \times 55) - (5/5 + 5))$
:= $6 + ((6 \times 66 \times (6 + 6)) + (6666/6))$
:= $77 \times 77 - (77/7 + 7 \times 7)$
:= $((88 + 8)/8) + ((88/8 - 8)^8 - 8 \times 88)$
:= $9 + (((9 \times 9 \times (9 \times 9 - 9) + 9/9 + 9) + 9) + 9)$
- **5870** := $(11 - 1) \times (11 + (((1 + 1) \times (1 + 11))^{1+1}))$
:= $2 + ((2/2 + 2) \times (((2 \times 22)^2 - 2) + 22))$
:= $3^3 + ((3 \times (3 + 3))^3 + 33/3)$
:= $(4 + 4)^4 + (4 \times 444 - (4 + 4)/4)$
:= $5^5 + ((5 \times (5 + 5) \times 55) - 5)$
:= $6 + ((6666 + 6)/6 + (6 \times 66 \times (6 + 6)))$
:= $7 + ((77 \times (77 - 7/7)) + (77/7))$
:= $((8 + 8)/8) + 8 \times (8 \times (8 + 8) + (88/8))$
:= $9 + (((9 \times 9 \times (9 \times 9 - 9) + (99/9)) + 9) + 9)$
- **5871** := $1 + ((11 - 1) \times (11 + (((1 + 1) \times (1 + 11))^{1+1})))$
:= $(2/2 + 2) \times (((2 \times 22)^2 - 2/2) + 22)$
:= $3 + (((3 \times (3 + 3))^3 + 33) + 3)$
:= $(4 + 4)^4 + (4 \times 444 - 4/4)$
:= $5^5 + (((5 \times (5 + 5) \times 55) - 5) + 5/5)$
:= $6666 - (((6 \times 6/(6 + 6))^6) + 66)$
:= $77 \times 77 - (((7 + 7)/7 + 7 \times 7) + 7)$
:= $888/8 + 8 \times (8 \times 88 + 8 + 8)$
:= $9 + (9 \times (9 \times (9 \times 9 - 9) - 9) + 999/9)$
- **5872** := $(111 \times ((111 - 1)/(1 + 1) - (1 + 1))) - 11$
:= $2 \times (2 \times 2 \times 222 + 2^{22/2})$
:= $3 + (((3 \times (3 + 3))^3 + 3/3) + 33) + 3)$
:= $4 \times (444 + 4 \times 4^4)$
:= $5 + ((5^5 - 5)/(5 + 5) + 5555)$
:= $6666 - (66 \times (6 + 6) + ((6 + 6)/6))$
:= $77 \times 77 - ((7/7 + 7 \times 7) + 7)$
:= $8 \times 8 + (88 \times (((8 + 8)/8) + 8 \times 8))$
:= $(9 - 9/9) \times (((9 \times 9 + 9)/(9 + 9)) + 9 \times 9 \times 9)$
- **5873** := $((111 - 11 - 11)^{1+1}) - (1 + 1)^{11}$
:= $(22^2 - 2)/2 + (22 \times 2^{2 \times (2+2)})$
:= $3 + (((3 \times (3 + 3))^3 + 33/3) + 3^3)$
:= $4/4 + (4 \times 444 + (4 + 4)^4)$
:= $5 + ((5^5 + 5)/(5 + 5) + 5555)$
:= $6666 - (66 \times (6 + 6) + 6/6)$
:= $77 \times 77 - (7 \times 7 + 7)$
:= $8 + (((88/8 - 8)^8 - 8 \times 88) + 8)$
:= $9 \times 9 \times (9 \times 9 - 9) + ((9 \times 9 \times 9 + 9)/(9 + 9))$
- **5874** := $11 \times (11 + (11 + (1 + 1))^{11-1-1})$
:= $22 \times (2^{2 \times (2+2)} + 22/2)$
:= $3 \times 3 + ((3 \times (3 + 3))^3 + 33)$
:= $(4 + 4)^4 + (4 \times 444 + (4 + 4)/4)$
:= $5^5 + ((5 \times (5 + 5) \times 55) - 5/5)$
:= $6666 - 66 \times (6 + 6)$
:= $7/7 + (77 \times 77 - (7 \times 7 + 7))$
:= $(8/8 + 88) \times (((8 + 8)/8) + 8 \times 8)$
:= $9 + (((9 - 9/9) \times ((9 + 9 + 9)/9) + 9 \times 9 \times 9) + 9)$
- **5875** := $1 + (11 \times (11 + (11 + (1 + 1))^{11-1-1}))$
:= $2/2 + (22 \times (2^{2 \times (2+2)} + 22/2))$
:= $3 \times 3 + (((3 \times (3 + 3))^3 + 3/3) + 33)$
:= $4 + ((4 \times 444 - 4/4) + (4 + 4)^4)$
:= $5^5 + (5 \times (5 + 5) \times 55)$
:= $6/6 + (6666 - 66 \times (6 + 6))$
:= $(7 + 7)/7 + (77 \times 77 - (7 \times 7 + 7))$
:= $(888/8 \times (8 \times 8 - 88/8)) - 8$
:= $9 \times (9 + 9 + 9) + ((99/9) \times ((9 + 9)/9)^9)$
- **5876** := $(1 + 1) \times ((1 + 1) \times ((1 + 1 + 11) \times (1 + 1 + 111)))$
:= $(22 + 2 + 2) \times (222 + 2 + 2)$
:= $33 + ((3 \times (3 + 3))^3 + 33/3)$
:= $4 + (4 \times 444 + (4 + 4)^4)$
:= $5^5 + ((5 \times (5 + 5) \times 55) + 5/5)$
:= $(6 + 6)/6 + (6666 - 66 \times (6 + 6))$
:= $7 + (77 \times 77 - (77/7 + 7 \times 7))$
:= $8 + (((88/8 - 8)^8 - 8 \times 88) + (88/8))$
:= $9 + (((9 \times 9 \times (9 \times 9 - 9) - 9/9) + 9) + 9) + 9)$
- **5877** := $1 + ((1 + 1) \times ((1 + 1) \times ((1 + 1 + 11) \times (1 + 1 + 111))))$
:= $2/2 + ((22 + 2 + 2) \times (222 + 2 + 2))$
:= $3 + (((3 \times (3 + 3))^3 + 33) + 3 \times 3)$
:= $4 + ((4 \times 444 + (4 + 4)^4) + 4/4)$
:= $5^5 + ((5 \times (5 + 5) \times 55) + ((5 + 5)/5))$
:= $((6 \times 6/(6 + 6))^6) + 66 \times (66 + 6 + 6)$
:= $77 \times 77 - (((7 + 7 + 7)/7) + 7 \times 7)$
:= $(8 + 8) \times (8 + 8) + (8 \times 8 \times 88 - (88/8))$
:= $9 + (((9 \times 9 \times (9 \times 9 - 9) + 9) + 9) + 9) + 9)$
- **5878** := $(1 + 1) \times (1 + ((1 + 1) \times ((1 + 1 + 11) \times (1 + 1 + 111))))$
:= $2 + ((22 + 2 + 2) \times (222 + 2 + 2))$
:= $3 + (((3 \times (3 + 3))^3 + 33) + 3 \times 3) + 3/3)$
:= $4 + ((4 \times 444 + (4 + 4)^4) + (4 + 4)/4)$
:= $(555/5 \times (55 - (5 + 5)/5)) - 5$
:= $6 + (6666 - (66 \times (6 + 6) + ((6 + 6)/6)))$
:= $77 \times 77 - ((7 + 7)/7 + 7 \times 7)$
:= $8 + (8 \times (8 \times 88 + 8 + 8) + (888 - 8)/8)$
:= $(9 + 9) \times 99 + ((9 - 9/9) \times ((9 + 9)/9)^9)$
- **5879** := $(1111 + (((11 + 11)^{1+1+1} - 1))/(1 + 1))$
:= $((22 + 2) \times ((22^2 + 2)/2 + 2)) - 2/2$
:= $3 + (((3 \times (3 + 3))^3 + 33/3) + 33)$
:= $(444/4 \times (4^4 - 44)/4) - 4$
:= $5 + (((5 \times (5 + 5) \times 55) - 5/5) + 5^5)$
:= $6 + (6666 - (66 \times (6 + 6) + 6/6))$
:= $77 \times 77 - (7/7 + 7 \times 7)$
:= $8 + (8 \times (8 \times 88 + 8 + 8) + 888/8)$
:= $((9 - 9/9) \times ((9 \times 9 \times 9 - (9 + 9)/9) + 9)) - 9$
- **5880** := $(1 + 1) \times ((1 + 11) \times (1 + ((1 + 1) \times (1 + 11^{1+1}))))$
:= $(22 + 2) \times ((22^2 + 2)/2 + 2)$
:= $(3^3 \times ((3 + 3)^3 + 3)) - 33$
:= $4 + ((4 \times 444 + (4 + 4)^4) + 4)$
:= $5 + ((5 \times (5 + 5) \times 55) + 5^5)$
:= $6 + (6666 - 66 \times (6 + 6))$
:= $(77 - 7) \times (77 + 7)$
:= $(8 \times 8 - 8) \times (((8/8 + 88) + 8) + 8)$
:= $(9 - 9/9) \times ((9 \times 9 \times 9 - (9 + 9 + 9)/9) + 9)$
- **5881** := $(111 \times ((111 - 1)/(1 + 1) - (1 + 1))) - 1 - 1$
:= $2/2 + ((22 + 2) \times ((22^2 + 2)/2 + 2))$
:= $3/3 + ((3^3 \times ((3 + 3)^3 + 3)) - 33)$
:= $4^4 + ((4/4 + 4 + 4) \times (4/4 + 4)^4)$
:= $5 + (((5 \times (5 + 5) \times 55) + 5^5) + 5/5)$
:= $6 + ((6666 - 66 \times (6 + 6)) + 6/6)$
:= $7/7 + ((77 - 7) \times (77 + 7))$
:= $8 + (((88/8 - 8)^8 - 8 \times 88) + 8) + 8)$
:= $9 \times 9 \times (9 \times 9 - 9) + ((9 \times 99 - 9)/(9 + 9))$
- **5882** := $(111 \times ((111 - 1)/(1 + 1) - (1 + 1))) - 1$
:= $2 + ((22 + 2) \times ((22^2 + 2)/2 + 2))$
:= $3 + (((3 \times (3 + 3))^3 + 33/3) + 33) + 3)$
:= $(4 + 4)^4 + (4 \times 444 + (44 - 4)/4)$
:= $5 + (((5 \times (5 + 5) \times 55) + ((5 + 5)/5)) + 5^5)$
:= $6 + ((6666 - 66 \times (6 + 6)) + ((6 + 6)/6))$
:= $(7 + 7)/7 + ((77 - 7) \times (77 + 7))$
:= $8 + ((8/8 + 88) \times (((8 + 8)/8) + 8 \times 8))$
:= $9 \times 9 \times (9 \times 9 - 9) + ((9 \times 99 + 9)/(9 + 9))$

$$\begin{aligned}
\blacktriangleright 5883 &:= 111 \times ((111 - 1)/(1 + 1) - (1 + 1)) \\
&:= 222/2 + (222 \times (22 + 2 + 2)) \\
&:= 3 + ((3^3 \times ((3 + 3)^3 + 3)) - 33) \\
&:= 444/4 \times (4^4 - 44)/4 \\
&:= 555/5 \times (55 - (5 + 5)/5) \\
&:= 666/6 \times ((66/6 + 6 \times 6) + 6) \\
&:= 77 \times 77 + (((7 + 7 + 7)/7) - 7 \times 7) \\
&:= 888/8 \times (8 \times 8 - 88/8) \\
&:= 999/9 \times (9 \times 9 - ((9/9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5884 &:= 1 + (111 \times ((111 - 1)/(1 + 1) - (1 + 1))) \\
&:= 2 \times (((2 \times 22 + 2) \times 2^{2+2+2}) - 2) \\
&:= 3 + (((3^3 \times ((3 + 3)^3 + 3)) - 33) + 3/3) \\
&:= 4^4 + ((4 \times 4 \times (4 + 4) \times 44) - 4) \\
&:= 5^5 + (5 \times 555 - (55/5 + 5)) \\
&:= 6/6 + (666/6 \times ((66/6 + 6 \times 6) + 6)) \\
&:= 77/7 + (77 \times 77 - (7 \times 7 + 7)) \\
&:= 8/8 + (888/8 \times (8 \times 8 - 88/8)) \\
&:= 9 \times (9 \times (9 \times 9 - 9) + 9) - (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5885 &:= (((111 - 1 - 1)^{1+1}) - 111)/(1 + 1) \\
&:= 22/2 \times (((((22 + 2/2)^2) + 2) + 2) + 2) \\
&:= 3^3 + (((3 \times (3 + 3))^3 - 3/3) + 3^3) \\
&:= (444/4 - 4) \times (44/4 + 44) \\
&:= 55 \times ((555 + 5)/5 - 5) \\
&:= (6 - 6/6) \times ((6666/6) + 66) \\
&:= 7 + (77 \times 77 - ((7 + 7)/7 + 7 \times 7)) \\
&:= 88/8 \times (((8 \times 8 \times 8 - 8/8) + 8) + 8) + 8) \\
&:= 99/9 \times ((99 \times 99 - 9)/(9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5886 &:= (111 - 1 - 1) \times ((111 - 1)/(1 + 1) - 1) \\
&:= (2^{2 \times (2+2)} \times (22 + 2/2)) - 2 \\
&:= 3 \times (3 \times ((3 \times (3 + 3)^3 + 3) + 3)) \\
&:= 4^4 + ((4 \times 4 \times (4 + 4) \times 44) - (4 + 4)/4) \\
&:= 5^5 + ((5 \times (5 + 5) \times 55) + (55/5)) \\
&:= 6 + ((6666 - 66 \times (6 + 6)) + 6) \\
&:= 7 + (77 \times 77 - (7/7 + 7 \times 7)) \\
&:= (8 + 8) \times (8 + 8) + (8 \times 8 \times 88 - ((8 + 8)/8)) \\
&:= 9 \times (9 \times (9 \times 9 - 9) + 9) - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5887 &:= 1 + ((111 - 1 - 1) \times ((111 - 1)/(1 + 1) - 1)) \\
&:= (2^{2 \times (2+2)} \times (22 + 2/2)) - 2/2 \\
&:= 3^3 + (((3 \times (3 + 3))^3 + 3^3) + 3/3) \\
&:= 4 + (444/4 \times (4^4 - 44)/4) \\
&:= 55 + ((5 \times 5 - 5/5) \times ((5 - (5 + 5)/5)^5)) \\
&:= (6/6 + 6) \times ((6 \times 6 - (6/6 + 6))^{6 \times 6/6}) \\
&:= 7 + ((77 - 7) \times (77 + 7)) \\
&:= (8 + 8) \times (8 + 8) + (8 \times 8 \times 88 - 8/8) \\
&:= 9 \times (9 \times 9 \times 9 - 9 - 9) - ((9 + 9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5888 &:= (1 + 11 + 11) \times (1 + 1)^{(1+1)^{1+1+1}} \\
&:= 2^{2 \times (2+2)} \times (22 + 2/2) \\
&:= (3 \times (3 + 3))^3 + ((333 + 3)/(3 + 3)) \\
&:= 4 \times ((444 + 4 \times 4^4) + 4) \\
&:= 5 + (555/5 \times (55 - (5 + 5)/5)) \\
&:= ((6 + 6)/6 + 6) \times (((6 \times 6/(6 + 6))^6) + 6/6) + 6) \\
&:= 7 + (77 - 7) \times (77 + 7) + 7/7 \\
&:= 8 \times (((8 \times 88 + 8 + 8) + 8) + 8) \\
&:= (9 - 9/9) \times ((9 \times 9 \times 9 - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5889 &:= 1 + (1 + 11 + 11) \times (1 + 1)^{(1+1)^{1+1+1}} \\
&:= 2/2 + (2^{2 \times (2+2)} \times (22 + 2/2)) \\
&:= 3 + (((3 \times (3 + 3))^3 + 3^3) + 3^3) \\
&:= 4/4 + ((4 \times 4 \times (4 + 4) \times 44) + 4^4) \\
&:= 5^5 + (5 \times 555 - (55/5)) \\
&:= 6 + (666/6 \times ((66/6 + 6 \times 6) + 6)) \\
&:= 7 + (((77 - 7) \times (77 + 7)) + ((7 + 7)/7)) \\
&:= 8/8 + ((8 + 8) \times (8 + 8) + 8 \times 8 \times 88) \\
&:= 9 + ((9 - 9/9) \times ((9 \times 9 \times 9 - ((9 + 9 + 9)/9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5890 &:= 1 + 1 + (1 + 11 + 11) \times (1 + 1)^{(1+1)^{1+1+1}} \\
&:= 2 + (2^{2 \times (2+2)} \times (22 + 2/2)) \\
&:= ((3/3 + 3)^3) + ((3 \times (3 + 3))^3 - (3 + 3)) \\
&:= 4^4 + ((4 \times 4 \times (4 + 4) \times 44) + (4 + 4)/4) \\
&:= 5^5 + (5 \times 555 - 5 - 5) \\
&:= (6 - 6/6) \times ((6666 + 6)/6 + 66) \\
&:= 77 \times 77 + (((77 - 7)/7) - 7 \times 7) \\
&:= (8 \times 8 - ((8 + 8)/8)) \times (88 - 8/8 + 8) \\
&:= 9 \times (9 \times 99 - 9) - (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5891 &:= ((1 + 1 + 1) \times (1 + 1)^{11}) - (11 \times (1 + (11 + 11))) \\
&:= 2 + ((2^{2 \times (2+2)} \times (22 + 2/2)) + 2/2) \\
&:= 3^3 + (((3 \times (3 + 3))^3 - 3/3) + 33) \\
&:= 4 + ((444/4 \times (4^4 - 44)/4) + 4) \\
&:= 5^5 + ((5 \times 555 - 5 - 5) + 5/5) \\
&:= 6 + ((6 - 6/6) \times ((6666/6) + 66)) \\
&:= 77/7 + ((77 - 7) \times (77 + 7)) \\
&:= 8 + (888/8 \times (8 \times 8 - 88/8)) \\
&:= 9 \times (9 \times (9 \times 9 - 9) + 9) - ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5892 &:= (1 + 1) \times ((1 + 1) \times ((11 \times (1 + 11)^{1+1}) - 111)) \\
&:= 2 + ((2^{2 \times (2+2)} \times (22 + 2/2)) + 2) \\
&:= 3^3 + ((3 \times (3 + 3))^3 + 33) \\
&:= 4 + ((4 \times 4 \times (4 + 4) \times 44) + 4^4) \\
&:= 5 \times 5 + ((5^5 - 5)/(5 + 5) + 5555) \\
&:= 66 + (((6 + 6 + 6)^{6 \times 6/6}) - 6) \\
&:= 77 \times 77 + ((77 + 7)/7 - 7 \times 7) \\
&:= 8 \times 8 \times 88 + ((8 \times 8 \times 8 + 8)/(8 + 8)/8) \\
&:= 9 \times (9 \times (9 \times 9 - 9) + 9) - ((99 + 9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5893 &:= ((1 + ((1 + 1 + 1)^{11-1}))/((11 - 1)) - 1 - 11) \\
&:= (22/2)^2 + (222 \times (22 + 2 + 2)) \\
&:= ((3/3 + 3)^3) + ((3 \times (3 + 3))^3 - 3) \\
&:= 4 + (((4 \times 4 \times (4 + 4) \times 44) + 4^4) + 4/4) \\
&:= 5^5 + (5 \times 555 - ((5 + 5)/5 + 5)) \\
&:= ((66/6 + 66)^{(6+6)/6}) - 6 \times 6 \\
&:= 7 + ((77 \times 77 - (7/7 + 7 \times 7)) + 7) \\
&:= ((8 \times 8 - 8/8) + 8) \times ((88/8 + 8 \times 8) + 8) \\
&:= (9 \times 9 - (9/9 + 9)) \times (((9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5894 &:= ((1 + ((1 + 1 + 1)^{11-1}))/((11 - 1)) - 11) \\
&:= (2 \times (22 \times (22 \times (2 + 2 + 2) + 2))) - 2 \\
&:= (3 \times ((3 + 3) \times 333 - 33)) - 3/3 \\
&:= (((4 + 4)/4 + 4) \times (4 \times 4^4 + 4/4)) - 4^4 \\
&:= 5^5 + (5 \times 555 - 5/5 - 5) \\
&:= 6/6 + (((66/6 + 66)^{(6+6)/6}) - 6 \times 6) \\
&:= 7 + (((77 - 7) \times (77 + 7)) + 7) \\
&:= (88 \times ((88/8 - 8) + 8 \times 8)) - (8 + 8)/8 \\
&:= 9 \times (9 \times (9 \times 9 - 9) + 9) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5895 &:= 1 + (((1 + ((1 + 1 + 1)^{11-1}))/((11 - 1)) - 11)(2 \times (2 \times 22))^2 - (2) \\
&:= 3 \times ((3 + 3) \times 333 - 33) \\
&:= (4 + 4)^4 + (((4 - 4/4) + 4) \times (4/4 + 4^4)) \\
&:= 5^5 + (5 \times 555 - 5) \\
&:= (6 \times 6/(6 + 6) + 6) \times (666 - 66/6) \\
&:= 7 + (((77 - 7) \times (77 + 7)) + 7/7 + 7) \\
&:= (88 \times ((88/8 - 8) + 8 \times 8)) - 8/8 \\
&:= 9 \times (9 \times (9 \times 9 - 9) + 9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5896 &:= (((1 + (11 \times (1 + 11)))^{1+1}) - 1)/(1 + 1 + 1) \\
&:= 2 \times (22 \times (22 \times (2 + 2 + 2) + 2)) \\
&:= ((3/3 + 3)^3) + (3 \times (3 + 3))^3 \\
&:= 44 \times (((4^4 + 4)/(4 + 4)/4) + 4) \\
&:= 5^5 + ((5 \times 555 - 5) + 5/5) \\
&:= 66/6 \times (((6 + 6)/6 + 6) \times (66 + 6/6)) \\
&:= 77/7 \times (7 \times 77 - ((7 + 7 + 7)/7)) \\
&:= 88 \times ((88/8 - 8) + 8 \times 8) \\
&:= (9 - 9/9) \times ((9 \times 9 \times 9 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5897 &:= 1 + (((1 + (11 \times (1 + 11)))^{1+1}) - 1)/(1 + 1 + 1) \\
&:= 2/2 + (2 \times (22 \times (22 \times (2 + 2 + 2) + 2))) \\
&:= 3/3 + (((3/3 + 3)^3) + (3 \times (3 + 3))^3) \\
&:= 4/4 + (44 \times (((4^4 + 4)/(4 + 4)/4) + 4)) \\
&:= 5^5 + ((5 \times 555 - 5) + ((5 + 5)/5)) \\
&:= 66 + (((6 + 6 + 6)^{6 \times 6/6}) - 6/6) \\
&:= 77 \times 77 - ((77/7 + 7 + 7) + 7) \\
&:= 8/8 + (88 \times ((88/8 - 8) + 8 \times 8)) \\
&:= 9 + ((9 - 9/9) \times ((9 \times 9 \times 9 - ((9 + 9)/9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5898 &:= (1+1) \times (11 \times 111 + ((1+11)^{1+1+1})) \\
&:= 2 + (2 \times (22 \times (22 \times (2+2+2) + 2))) \\
&:= 33 + ((3 \times (3+3))^3 + 33) \\
&:= 4 + (((4+4)/4 + 4) \times (4 \times 4^4 + 4/4)) - 4^4 \\
&:= 5^5 + (5 \times 555 - ((5+5)/5)) \\
&:= 66 + ((6+6+6)^{6 \times 6 / (6+6)}) \\
&:= 7 + (((77-7) \times (77+7)) + (77/7)) \\
&:= 8 + ((8 \times 8 - ((8+8)/8)) \times (88 - 8/8 + 8)) \\
&:= (9+9)/9 + ((9-9/9) \times ((9 \times 9 \times 9 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5899 &:= 1 + ((1+1) \times (11 \times 111 + ((1+11)^{1+1+1}))) \\
&:= 22/2 + (2^{2 \times (2+2)} \times (22 + 2/2)) \\
&:= 3 + (((3/3+3)^3) + (3 \times (3+3))^3) \\
&:= 4 \times 4 + (444/4 \times (4^4 - 44)/4) \\
&:= 5^5 + (5 \times 555 - 5/5) \\
&:= 6 + (((66/6+66)^{(6+6)/6}) - 6 \times 6) \\
&:= 7 + (((77+7)/7 - 7 \times 7) + 77 \times 77) \\
&:= 8 + ((888/8 \times (8 \times 8 - 88/8)) + 8) \\
&:= 999 + ((9 \times 9 - 99/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5900 &:= (11-1)^{1+1} \times ((11^{1+1} - 1)/(1+1) - 1) \\
&:= 2 \times (22 \times (22 \times (2+2+2) + 2)) + 2 \\
&:= (3 \times (3+3))^3 + (((3+3)^3 - 3)/3) - 3 \\
&:= ((44-4)/4)^4 - ((4+4)^4 + 4) \\
&:= 5^5 + 5 \times 555 \\
&:= (66 - 6/6 - 6) \times (((6+6)/6)^6 + 6 \times 6) \\
&:= (7/7 + 7 \times 7) \times (777/7 + 7) \\
&:= 8 + (((8 \times 8 \times 8 + 8)/(8+8)/8) + 8 \times 8 \times 88) \\
&:= (9/9 + 99) \times (((9 \times 99 + 9)/(9+9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5901 &:= (1+1+1) \times ((1+1)^{11} - (11-1-1)^{1+1}) \\
&:= ((22+2)^2) + (((22^{2/2+2}) + 2)/2) \\
&:= 3 + (((3 \times (3+3))^3 + 33) + 33) \\
&:= 44 + (((4-4/4)^{4+4}) - 4 \times 4 \times 44) \\
&:= 5^5 + (5 \times 555 + 5/5) \\
&:= 6666 - (((6 \times 6/(6+6))^6) + 6 \times 6) \\
&:= 7 \times 7 + (77 \times (77 - 7/7)) \\
&:= (8 - 8/8) \times (8 \times (88 + 8 + 8) + 88/8) \\
&:= 9 \times (9 \times (9 \times 9 - 9) + 9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5902 &:= ((1+1+1) \times (1+1)^{11}) - ((1+1) \times 11^{1+1}) \\
&:= (2 \times ((22+2) \times ((22/2)^2 + 2))) - 2 \\
&:= (3^3 \times ((3+3)^3 + 3)) - 33/3 \\
&:= ((44-4)/4)^4 - ((4+4)^4 + (4+4)/4) \\
&:= 5^5 + (5 \times 555 + ((5+5)/5)) \\
&:= 6 + (((6+6+6)^{6 \times 6 / (6+6)}) + ((6+6)/6)^6) \\
&:= 7/7 + ((77 \times (77 - 7/7)) + 7 \times 7) \\
&:= 8 + ((88 \times ((88/8 - 8) + 8 \times 8)) - ((8+8)/8)) \\
&:= 9 \times (9 \times (9 \times 9 - 9) + 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5903 &:= ((1 + ((1+1+1)^{11-1}))/((11-1)) - 1 - 1) \\
&:= (2 \times ((22+2) \times ((22/2)^2 + 2))) - 2/2 \\
&:= (3 \times (3+3))^3 + (((3+3)^3 - 3)/3) \\
&:= ((44-4)/4)^4 - ((4+4)^4 + 4/4) \\
&:= 5 + ((5 \times 555 - ((5+5)/5)) + 5^5) \\
&:= ((6+6) \times (((6 \times (66+6)) - 6) + 66)) - 6/6 \\
&:= 77 \times 77 - ((77+7)/7 + 7 + 7) \\
&:= 8 + ((88 \times ((88/8 - 8) + 8 \times 8)) - 8/8) \\
&:= 9 \times (9 \times (9 \times 9 - 9) + 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5904 &:= ((1 + ((1+1+1)^{11-1}))/((11-1)) - 1) \\
&:= 2 \times ((22+2) \times ((22/2)^2 + 2)) \\
&:= 3 \times ((3 \times (3 \times (3+3)^3 + 3))) - 3 \\
&:= 4 \times 4 \times ((4/4 + 4)^4 - 4^4) \\
&:= 5 + ((5 \times 555 - 5/5) + 5^5) \\
&:= (6+6) \times (((6 \times (66+6)) - 6) + 66) \\
&:= 77 \times 77 - (77/7 + 7 + 7) \\
&:= 8 + (88 \times ((88/8 - 8) + 8 \times 8)) \\
&:= (9 - 9/9) \times (9 \times 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5905 &:= (1 + ((1+1+1)^{11-1}))/((11-1)) \\
&:= 2/2 + (2 \times ((22+2) \times ((22/2)^2 + 2))) \\
&:= (3 \times (3+3))^3 + (((3+3)^3 + 3)/3) \\
&:= 4/4 + 4 \times 4 \times ((4/4 + 4)^4 - 4^4) \\
&:= 5 + (5 \times 555 + 5^5) \\
&:= 6/6 + ((6+6) \times (((6 \times (66+6)) - 6) + 66)) \\
&:= ((7-77)/7) + (77 \times 77 - (7+7)) \\
&:= 8 + ((88 \times ((88/8 - 8) + 8 \times 8)) + 8/8) \\
&:= 9/9 + ((9-9/9) \times (9 \times 9 \times 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5906 &:= 1 + ((1 + ((1+1+1)^{11-1}))/((11-1))) \\
&:= 2 + (2 \times ((22+2) \times ((22/2)^2 + 2))) \\
&:= 3 + (((3 \times (3+3)^3 - 3)/3) + (3 \times (3+3))^3) \\
&:= 4 \times 4 \times ((4/4 + 4)^4 - 4^4) + 4 \\
&:= 5 + ((5 \times 555 + 5^5) + 5/5) \\
&:= 6 + ((66 - 6/6 - 6) \times (((6+6)/6)^6 + 6 \times 6)) \\
&:= 77 \times 77 - (((7+7)/7 + 7) + 7) + 7 \\
&:= 8 + (((8 \times 8 - ((8+8)/8)) \times (88 - 8/8 + 8)) + 8) \\
&:= (9+9)/9 + ((9-9/9) \times (9 \times 9 \times 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5907 &:= 1 + (1 + ((1 + ((1+1+1)^{11-1}))/((11-1)))) \\
&:= ((2 \times 2 \times 22 - 22/2)^2) - 22 \\
&:= (3^3 \times ((3+3)^3 + 3)) - 3 - 3 \\
&:= 4 + (((44-4)/4)^4 - ((4+4)^4 + 4/4)) \\
&:= 5 + ((5 \times 555 + ((5+5)/5)) + 5^5) \\
&:= (66 \times 6/(6+6)) \times (6 \times (6 \times 6 - 6) - 6/6) \\
&:= 77/7 \times (7 \times 77 - ((7+7)/7)) \\
&:= 88/8 + (88 \times ((88/8 - 8) + 8 \times 8)) \\
&:= 99/9 \times (9 \times (9 \times 9 - 9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5908 &:= 1 + (1 + (1 + ((1 + ((1+1+1)^{11-1}))/((11-1)))))) \\
&:= 2 \times (((22+2) \times ((22/2)^2 + 2)) + 2) \\
&:= 3 + (((3+3)^3 + 3)/3) + (3 \times (3+3))^3) \\
&:= 4 + (4 \times (4 \times (4/4 + 4)^4 - 4^4)) \\
&:= 5 + (((5 \times 555 - ((5+5)/5)) + 5^5) + 5) \\
&:= (6 - ((6+6)/6)) \times ((6 \times (6 \times (6 \times 6 + 6) - 6)) + 6/6) \\
&:= 77 \times 77 - (7 + 7 + 7) \\
&:= (8 - 8/8) \times (888 - (88/(8+8)/8)) \\
&:= ((9-99)/(9+9)) + 9 \times (9 \times (9 \times 9 - 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5909 &:= 1 + (1 + (1 + (1 + ((1 + ((1+1+1)^{11-1}))/((11-1)))))) \\
&:= 2 + (((2 \times 2 \times 22 - 22/2)^2) - 22) \\
&:= (3^3 \times ((3+3)^3 + 3)) - (3/3 + 3) \\
&:= 4 \times 4 \times ((4/4 + 4)^4 - 4^4) + 4 + 4/4 \\
&:= 5 + (((5 \times 555 - 5/5) + 5^5) + 5) \\
&:= ((6-6/6) \times ((66 \times (6+6+6)) - 6)) - 6/6 \\
&:= 7/7 + (77 \times 77 - (7+7+7)) \\
&:= 8 + ((8-8/8) \times (8 \times (88+8+8) + 88/8)) \\
&:= ((9-9 \times 9)/(9+9)) + 9 \times (9 \times (9 \times 9 - 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5910 &:= (11-1) \times ((1+1+1) \times (1 + (1+1+1+11)^{1+1})) \\
&:= 22 + (2^{2 \times (2+2)} \times (22 + 2/2)) \\
&:= (3^3 \times ((3+3)^3 + 3)) - 3 \\
&:= 4^4 + ((4/4 + 4^4) \times (44/(4+4)/4)) \\
&:= 5 + ((5 \times 555 + 5^5) + 5) \\
&:= (6-6/6) \times ((66 \times (6+6+6)) - 6) \\
&:= 77 \times 77 - ((77+7)/7 + 7) \\
&:= 88 + ((8 \times ((8 \times 88 + 8 + 8) + 8)) - ((8+8)/8)) \\
&:= 9 \times (9 \times (9 \times 9 - 9) + 9) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5911 &:= (1+11+11) \times (1 + (1+1)^{(1+1)^{1+1+1}}) \\
&:= (22+2/2) \times (2^{2 \times (2+2)} + 2/2) \\
&:= 3/3 + ((3^3 \times ((3+3)^3 + 3)) - 3) \\
&:= (4/4 + 4^4) \times (((44/4 + 4) + 4) + 4) \\
&:= 5^5 + (5 \times 555 + (55/5)) \\
&:= 6/6 + ((6-6/6) \times ((66 \times (6+6+6)) - 6)) \\
&:= 77 \times 77 - (77/7 + 7) \\
&:= 88 + ((8 \times ((8 \times 88 + 8 + 8) + 8)) - 8/8) \\
&:= 9 \times (9 \times (9 \times 9 - 9) + 9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5912 &:= 1 + (1 + 11 + 11) \times (1 + (1+1)^{(1+1)^{1+1+1}}) \\
&:= 2 + ((2^{2 \times (2+2)} \times (22 + 2/2)) + 22) \\
&:= (3^3 \times ((3+3)^3 + 3)) - 3/3 \\
&:= 4 + 4 \times 4 \times ((4/4 + 4)^4 - 4^4) + 4 \\
&:= 5^5 + (5 \times 555 + ((55+5)/5)) \\
&:= (6+6)/6 + ((6-6/6) \times ((66 \times (6+6+6)) - 6)) \\
&:= ((7-77)/7) + (77 \times 77 - 7) \\
&:= 88 + (8 \times ((8 \times 88 + 8 + 8) + 8)) \\
&:= 9 \times (9 \times (9 \times 9 - 9) + 9) - 9/9
\end{aligned}$$

- 5913 := $(1+1+1)^{1+1+1} \times (((1+1) \times (111-1)) - 1)$
:= $2 + ((22+2/2) \times (2^{2 \times (2+2)} + 2/2))$
:= $3^3 \times ((3+3)^3 + 3)$
:= $(4-4/4)^4 \times (((4^4+4)/4+4) + 4)$
:= $5^5 + (((5-5^5)/(5+5)) - 5 \times 5) + 5^5$
:= $((6 \times 6/(6+6))^6) + (6 \times (6 \times (6+6) \times (6+6)))$
:= $77 \times 77 - (((7+7)/7+7) + 7)$
:= $(8 \times (8-88)) + ((88/8-8)^8 - 8)$
:= $9 \times (9 \times (9 \times 9 - 9) + 9)$
- 5914 := $1 + ((1+1+1)^{1+1+1} \times (((1+1) \times (111-1)) - 1))$
:= $((2 \times 2 \times (22-2))^2) - (22^2 + 2)$
:= $3/3 + (3^3 \times ((3+3)^3 + 3))$
:= $4 + (((4/4+4^4) \times (44/((4+4)/4))) + 4^4)$
:= $5^5 + ((5 \times (555+5)) - (55/5))$
:= $((6 \times 6 + 66) \times (((6+6)/6)^6 - 6)) - (6+6)/6$
:= $77 \times 77 - (7/7 + 7 + 7)$
:= $8 \times 8 + ((8/8 + 8 \times 8) \times ((8+8)/8 + 88))$
:= $9/9 + 9 \times (9 \times (9 \times 9 - 9) + 9)$
- 5915 := $11 + (((1+1+1)^{11-1})/(11-1)) - 1$
:= $(22/2+2) \times (2 \times 222 + 22/2)$
:= $3 + (3^3 \times ((3+3)^3 + 3)) - 3/3$
:= $4 + ((4/4+4^4) \times (((44/4+4) + 4) + 4))$
:= $5 + (((5 \times 555 + 5^5) + 5) + 5)$
:= $(6-6/6) \times (((6666/6) + 66) + 6)$
:= $77 \times 77 - (7+7)$
:= $(8/8 + 8 \times 8) \times ((88/8-8) + 88)$
:= $(9+9)/9 + 9 \times (9 \times (9 \times 9 - 9) + 9)$
- 5916 := $11 + ((1+1+1)^{11-1})/(11-1)$
:= $((2 \times 2 \times (22-2))^2) - 22^2$
:= $3 + (3^3 \times ((3+3)^3 + 3))$
:= $44 + (4 \times 444 + (4+4)^4)$
:= $5 + ((5 \times 555 + (55/5)) + 5^5)$
:= $(6 \times 6 + 66) \times (((6+6)/6)^6 - 6)$
:= $7/7 + (77 \times 77 - (7+7))$
:= $(88-8/8) \times (8 \times 8/(8+8) + 8 \times 8)$
:= $((9+9+9)/9) + 9 \times (9 \times (9 \times 9 - 9) + 9)$
- 5917 := $1 + (11 + ((1+1+1)^{11-1})/(11-1))$
:= $2/2 + (((2 \times 2 \times (22-2))^2) - 22^2)$
:= $3 + (3^3 \times ((3+3)^3 + 3)) + 3/3$
:= $4 + ((4-4/4)^4 \times (((4^4+4)/4+4) + 4))$
:= $5 + ((5 \times 555 + ((55+5)/5)) + 5^5)$
:= $((66/6+66)^{(6+6)/6}) - 6 - 6$
:= $77 \times 77 - (77+7)/7$
:= $((8/8+88) + 8) \times ((8 \times 8 - 88/8) + 8)$
:= $((9 \times 9 - 9)/(9+9)) + 9 \times (9 \times (9 \times 9 - 9) + 9)$
- 5918 := $((11 \times (1 + ((1+1) \times (1+1+1))))^{1+1}) - 11$
:= $2 + (((2 \times 2 \times (22-2))^2) - 22^2)$
:= $3 + (((3^3 \times ((3+3)^3 + 3)) - 3/3) + 3)$
:= $((4 \times 4 + 4) \times ((4^4 - 4) + 44)) - (4+4)/4$
:= $5^5 + ((5 \times (555+5)) - ((5+5)/5 + 5))$
:= $((66/6+66)^{(6+6)/6}) - 66/6$
:= $77 \times 77 - 77/7$
:= $((88-88/8)^{(8+8)/8}) - 88/8$
:= $((9 \times 9 + 9)/(9+9)) + 9 \times (9 \times (9 \times 9 - 9) + 9)$
- 5919 := $111 + ((1+11) \times ((11+11)^{1+1}))$
:= $222/2 + (2 \times (22^2 \times (2+2+2)))$
:= $3 + (3^3 \times ((3+3)^3 + 3)) + 3$
:= $((4 \times 4 + 4) \times ((4^4 - 4) + 44)) - 4/4$
:= $5^5 + ((5 \times (555+5)) - (5/5+5))$
:= $6 + ((6 \times (6 \times (6+6) \times (6+6))) + ((6 \times 6/(6+6))^6))$
:= $((7-77)/7) + 77 \times 77$
:= $888/8 + (88 \times ((8+8)/8) + 8 \times 8)$
:= $9 + (9 \times (9 \times (9 \times 9 - 9) + 9) - ((9+9+9)/9))$
- 5920 := $1 + (111 + ((1+11) \times ((11+11)^{1+1})))$
:= $2^{22/2} + (2 \times (2 \times 22)^2)$
:= $3 + (((3^3 \times ((3+3)^3 + 3)) + 3/3) + 3)$
:= $(4 \times 4 + 4) \times ((4^4 - 4) + 44)$
:= $5^5 + ((5 \times (555+5)) - 5)$
:= $(6-6/6) \times (((6666+6)/6+66) + 6)$
:= $77 \times 77 - ((7+7)/7+7)$
:= $(88-8) \times (((8+8)/8) + 8 \times 8) + 8$
:= $(9-9/9) \times (9 \times 9 \times 9 + (99/9))$
- 5921 := $((1+1+1) \times (1+1)^{11}) - (1+(1+1) \times 111)$
:= $2/2 + ((2 \times (2 \times 22)^2) + 2^{22/2})$
:= $3 \times 3 + ((3^3 \times ((3+3)^3 + 3)) - 3/3)$
:= $4/4 + ((4 \times 4 + 4) \times ((4^4 - 4) + 44))$
:= $5^5 + (((5 \times (555+5)) - 5) + 5/5)$
:= $6 + ((6-6/6) \times (((6666/6) + 66) + 6))$
:= $77 \times 77 - (7/7+7)$
:= $(8 \times (8-88)) + (88/8-8)^8$
:= $9 + (9 \times (9 \times (9 \times 9 - 9) + 9) - 9/9)$
- 5922 := $((1+1+1) \times (1+1)^{11}) - (1+1) \times 111$
:= $2 + ((2 \times (2 \times 22)^2) + 2^{22/2})$
:= $3 \times ((3 \times (3 \times ((3+3)^3 + 3))) + 3)$
:= $(4+4)/4 + ((4 \times 4 + 4) \times ((4^4 - 4) + 44))$
:= $55 + ((5^5 - 5)/(5+5) + 5555)$
:= $6 + ((6 \times 6 + 66) \times (((6+6)/6)^6 - 6))$
:= $77 \times 77 - 7$
:= $(8/8 - 8 \times 8) \times (((8+8)/8) - (88+8))$
:= $9 + 9 \times (9 \times (9 \times 9 - 9) + 9)$
- 5923 := $1 + (((1+1+1) \times (1+1)^{11}) - (1+1) \times 111)$
:= $((2 \times 2 \times 22 - 22/2)^2) - 2 - 2 - 2$
:= $3^3 + (((3/3+3)^3) + (3 \times (3+3)^3))$
:= $4 + (((4 \times 4 + 4) \times ((4^4 - 4) + 44)) - 4/4)$
:= $5^5 + ((5 \times (555+5)) - ((5+5)/5))$
:= $((66/6+66)^{(6+6)/6}) - 6$
:= $7/7 + (77 \times 77 - 7)$
:= $8 + ((8/8 + 8 \times 8) \times ((88/8 - 8) + 88))$
:= $9 + (9 \times (9 \times (9 \times 9 - 9) + 9) + 9/9)$
- 5924 := $((1+1+1) \times (1+1)^{11}) - ((1+1) \times (111-1))$
:= $2^{22/2} + (2 \times ((2 \times 22)^2 + 2))$
:= $33/3 + (3^3 \times ((3+3)^3 + 3))$
:= $4 + ((4 \times 4 + 4) \times ((4^4 - 4) + 44))$
:= $5^5 + ((5 \times (555+5)) - 5/5)$
:= $6/6 + (((66/6+66)^{(6+6)/6}) - 6)$
:= $(7+7)/7 + (77 \times 77 - 7)$
:= $8 + ((88-8/8) \times (8 \times 8/(8+8) + 8 \times 8))$
:= $99/9 + 9 \times (9 \times (9 \times 9 - 9) + 9)$
- 5925 := $((1+1+1) \times (1+(1+1)^{11})) - (1+1) \times 111$
:= $((2 \times 2 \times 22 - 22/2)^2) - 2 - 2$
:= $3 + ((3^3 \times ((3+3)^3 + 3)) + 3 \times 3)$
:= $((4-4/4)^4 - 4)^{(4+4)/4} - 4$
:= $5^5 + (5 \times (555+5))$
:= $(6-6/6) \times (6 \times 6 \times 6 \times 6 - 666/6)$
:= $7 + (77 \times 77 - (77/7))$
:= $(88/8 + 8 \times 8) \times (88 - (8/8+8))$
:= $(99+9)/9 + 9 \times (9 \times (9 \times 9 - 9) + 9)$
- 5926 := $((11 \times (1 + ((1+1) \times (1+1+1))))^{1+1}) - 1 - 1 - 1$
:= $2 + ((2 \times ((2 \times 22)^2 + 2)) + 2^{22/2})$
:= $((3 \times 3^3 - (3/3+3))^{3-3/3}) - 3$
:= $4/4 + (((4-4/4)^4 - 4)^{(4+4)/4}) - 4$
:= $5^5 + ((5 \times (555+5)) + 5/5)$
:= $6666 - (((6 \times 6/(6+6))^6) + (66/6))$
:= $77 \times 77 - (7+7+7)/7$
:= $8 + (((88-88/8)^{(8+8)/8}) - (88/8))$
:= $((99+9+9)/9) + 9 \times (9 \times (9 \times 9 - 9) + 9)$
- 5927 := $((11 \times (1 + ((1+1) \times (1+1+1))))^{1+1}) - 1 - 1$
:= $((2 \times 2 \times 22 - 22/2)^2) - 2$
:= $3 + ((3^3 \times ((3+3)^3 + 3)) + 33/3)$
:= $44 + (444/4 \times (4^4 - 44)/4)$
:= $5^5 + ((5 \times (555+5)) + ((5+5)/5))$
:= $((66/6+66)^{(6+6)/6}) - (6+6)/6$
:= $77 \times 77 - (7+7)/7$
:= $(8 \times (8 \times (88+8) - (8+8))) - (8/8+88)$
:= $9 + (9 \times (9 \times (9 \times 9 - 9) + 9) + ((9 \times 9 + 9)/(9+9)))$

$$\begin{aligned}
\blacktriangleright 5928 &:= ((11 \times (1 + ((1 + 1) \times (1 + 1 + 1))))^{1+1}) - 1 \\
&:= (2 + 2 + 2) \times ((2 \times 22^2 - 2) + 22) \\
&:= 3 \times 33 + ((3 \times (3 + 3))^3 - 3) \\
&:= 4 + (((4 \times 4 + 4) \times ((4^4 - 4) + 44)) + 4) \\
&:= ((5 - 5^5)/(5 + 5)) \times ((5/5 - 5 \times 5) + 5) \\
&:= 6 \times (((6 + 6)/6)^{(66-6)/6} - 6 \times 6) \\
&:= 77 \times 77 - 7/7 \\
&:= (88 + 8 + 8) \times ((8/8 - 8) + 8 \times 8) \\
&:= (9 - 9/9) \times ((99 + 9)/9 + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5929 &:= (11 \times (1 + ((1 + 1) \times (1 + 1 + 1))))^{1+1} \\
&:= (2 \times 2 \times 22 - 22/2)^2 \\
&:= (3 \times 3^3 - (3/3 + 3))^{3-3/3} \\
&:= ((4 - 4/4)^4 - 4)^{(4+4)/4} \\
&:= 5 + (((5 \times (555 + 5)) - 5/5) + 5^5) \\
&:= (66/6 + 66)^{(6+6)/6} \\
&:= 77 \times 77 \\
&:= (88 - 88/8)^{(8+8)/8} \\
&:= 9 + ((9 - 9/9) \times (9 \times 9 \times 9 + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5930 &:= 1 + ((11 \times (1 + ((1 + 1) \times (1 + 1 + 1))))^{1+1}) \\
&:= 2/2 + ((2 \times 2 \times 22 - 22/2)^2) \\
&:= 3 \times 33 + ((3 \times (3 + 3))^3 - 3/3) \\
&:= 4/4 + (((4 - 4/4)^4 - 4)^{(4+4)/4}) \\
&:= 5 + ((5 \times (555 + 5)) + 5^5) \\
&:= 6/6 + ((66/6 + 66)^{(6+6)/6}) \\
&:= 7/7 + 77 \times 77 \\
&:= 8/8 + ((88 - 88/8)^{(8+8)/8}) \\
&:= 99 + (9 \times 9 \times (9 \times 9 - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5931 &:= 1 + (1 + ((11 \times (1 + ((1 + 1) \times (1 + 1 + 1))))^{1+1})) \\
&:= 2 + ((2 \times 2 \times 22 - 22/2)^2) \\
&:= 3 \times 33 + (3 \times (3 + 3))^3 \\
&:= 44/4 + ((4 \times 4 + 4) \times ((4^4 - 4) + 44)) \\
&:= 5 + (((5 \times (555 + 5)) + 5^5) + 5/5) \\
&:= 6666 - (((6 \times 6/(6 + 6))^6) + 6) \\
&:= (7 + 7)/7 + 77 \times 77 \\
&:= (8 + 8)/8 + ((88 - 88/8)^{(8+8)/8}) \\
&:= 99 + 9 \times 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5932 &:= 1 + (1 + (1 + ((11 \times (1 + ((1 + 1) \times (1 + 1 + 1))))^{1+1}))) \\
&:= ((22 + 2/2) \times (2^{2 \times (2+2)} + 2)) - 2 \\
&:= 3/3 + ((3 \times (3 + 3))^3 + 3 \times 33) \\
&:= (4 \times (4 \times (4^4 + 4) + 444)) - 4 \\
&:= 5^5 + (5 \times 555 + ((5 + 5)/5)^5) \\
&:= 6/6 + (6666 - (((6 \times 6/(6 + 6))^6) + 6)) \\
&:= 77 \times 77 + (7 + 7 + 7)/7 \\
&:= (((8 + 8)/8) + 8 \times 8) \times ((8 + 8)/8 + 88) - 8 \\
&:= 9/9 + (9 \times 9 \times (9 \times 9 - 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5933 &:= (((111 - 1 - 1)^{1+1}) - 11)/(1 + 1) - 1 - 1 \\
&:= 2 + (((2 \times 2 \times 22 - 22/2)^2) + 2) \\
&:= 3 + (((3 \times (3 + 3))^3 - 3/3) + 3 \times 33) \\
&:= 4 + (((4 - 4/4)^4 - 4)^{(4+4)/4}) \\
&:= 5^5 + (((5 - 5^5)/(5 + 5)) - 5) + 5^5 \\
&:= 6666 - (((66 \times 66 + 6)/6) + 6) \\
&:= 77/7 + (77 \times 77 - 7) \\
&:= 8 + ((88/8 + 8 \times 8) \times (88 - (8/8 + 8))) \\
&:= 9 + (9 \times (9 \times (9 \times 9 - 9) + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5934 &:= (((111 - 1 - 1)^{1+1}) - 11)/(1 + 1) - 1 \\
&:= (22 + 2/2) \times (2^{2 \times (2+2)} + 2) \\
&:= 3 + ((3 \times (3 + 3))^3 + 3 \times 33) \\
&:= 4 + (((4 - 4/4)^4 - 4)^{(4+4)/4}) + 4/4 \\
&:= 5^5 + ((55 - (5 + 5)/5)^{(5+5)/5}) \\
&:= 6666 - (666 + 66) \\
&:= 7 + (77 \times 77 - ((7 + 7)/7)) \\
&:= (88 - ((8 + 8)/8)) \times (88 - (88/8 + 8)) \\
&:= 999/9 + (9 \times 9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5935 &:= (((111 - 1 - 1)^{1+1}) - 11)/(1 + 1) \\
&:= 2 + (((2 \times 2 \times 22 - 22/2)^2) + 2) + 2) \\
&:= 3 + (((3 \times (3 + 3))^3 + 3 \times 33) + 3/3) \\
&:= (4 \times (4 \times (4^4 + 4) + 444)) - 4/4 \\
&:= 5 + (((5 \times (555 + 5)) + 5^5) + 5) \\
&:= 6 + ((66/6 + 66)^{(6+6)/6}) \\
&:= 7 + (77 \times 77 - 7/7) \\
&:= 888/8 + (8 \times ((8 \times 88 + 8 + 8) + 8)) \\
&:= 9 \times 9 \times (9 \times 9 - 9) + (((999 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5936 &:= 1 + (((111 - 1 - 1)^{1+1}) - 11)/(1 + 1) \\
&:= 2 + ((22 + 2/2) \times (2^{2 \times (2+2)} + 2)) \\
&:= (3^3 + 3/3) \times ((3 + 3)^3 - (3/3 + 3)) \\
&:= 4 \times (4 \times (4^4 + 4) + 444) \\
&:= (55 + 5/5) \times (555/5 - 5) \\
&:= 6 + (((66/6 + 66)^{(6+6)/6}) + 6/6) \\
&:= 7 + 77 \times 77 \\
&:= 8 + ((88 + 8 + 8) \times ((8/8 - 8) + 8 \times 8)) \\
&:= (9 - 9/9) \times (((99 + 9 + 9)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5937 &:= 1 + (1 + (((111 - 1 - 1)^{1+1}) - 11)/(1 + 1)) \\
&:= 2 \times (2 + 2) + ((2 \times 2 \times 22 - 22/2)^2) \\
&:= (3 \times (33 \times (3^3 + 33))) - 3 \\
&:= 4 + (((4 - 4/4)^4 - 4)^{(4+4)/4}) + 4) \\
&:= 5^5 + (5^5 - (5^5 + 5)/(5 + 5)) \\
&:= 6666 - (((6 \times 6/(6 + 6))^6) + 6) \\
&:= 7 + (77 \times 77 + 7/7) \\
&:= 8 + ((88 - 88/8)^{(8+8)/8}) \\
&:= 9 + ((9 - 9/9) \times ((99 + 9)/9 + 9 \times 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5938 &:= (((111 - 1)^{1+1})/(1 + 1)) - (1 + 111) \\
&:= (22 \times ((2 \times (22 + 2)) + 222)) - 2 \\
&:= 3/3 + ((3 \times (33 \times (3^3 + 33))) - 3) \\
&:= (4 + 4)/4 + (4 \times (4 \times (4^4 + 4) + 444)) \\
&:= 5^5 + (((5 - 5^5)/(5 + 5)) + 5^5) \\
&:= 6/6 + (6666 - ((6 \times 6/(6 + 6))^6)) \\
&:= 7 + (77 \times 77 + ((7 + 7)/7)) \\
&:= 8 + (((88 - 88/8)^{(8+8)/8}) + 8/8) \\
&:= 9 + (((9 - 9/9) \times (9 \times 9 \times 9 + (99/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5939 &:= (((111 - 1)^{1+1})/(1 + 1)) - 111 \\
&:= (22 \times ((2 \times (22 + 2)) + 222)) - 2/2 \\
&:= (3 \times (33 \times (3^3 + 33))) - 3/3 \\
&:= 4 + ((4 \times (4 \times (4^4 + 4) + 444)) - 4/4) \\
&:= (55 \times (55 + 55)) - 555/5 \\
&:= 6666 - ((66 \times 66 + 6)/6) \\
&:= 77 \times 77 + (77 - 7)/7 \\
&:= 8 + (((88 - 88/8)^{(8+8)/8}) + ((8 + 8)/8)) \\
&:= 9 + ((9 \times 9 \times (9 \times 9 - 9) - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5940 &:= (((111 - 1 - 1)^{1+1}) - 1)/(1 + 1) \\
&:= 22 \times ((2 \times (22 + 2)) + 222) \\
&:= 3 \times (33 \times (3^3 + 33)) \\
&:= 4 + (4 \times (4 \times (4^4 + 4) + 444)) \\
&:= (55 + 55) \times (55 - 5/5) \\
&:= 66 \times (((66 + 6 + 6) + 6) + 6) \\
&:= 77/7 + 77 \times 77 \\
&:= (((8 + 8)/8) + 8 \times 8) \times ((8 + 8)/8 + 88) \\
&:= 9 + (9 \times 9 \times (9 \times 9 - 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5941 &:= (1 + ((111 - 1 - 1)^{1+1}))/ (1 + 1) \\
&:= 2/2 + (22 \times ((2 \times (22 + 2)) + 222)) \\
&:= 3/3 + (3 \times (33 \times (3^3 + 33))) \\
&:= 4 + (((4 - 4/4)^4 - 4)^{(4+4)/4}) + 4) + 4) \\
&:= 5 + ((55 + 5/5) \times (555/5 - 5)) \\
&:= 6 + (((66/6 + 66)^{(6+6)/6}) + 6) \\
&:= 77 \times 77 + (77 + 7)/7 \\
&:= (8 \times (8 \times (88 + 8) - (8 + 8 + 8))) - 88/8 \\
&:= 9 + ((9 \times 9 \times (9 \times 9 - 9) + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5942 &:= 1 + ((1 + ((111 - 1 - 1)^{1+1}))/ (1 + 1)) \\
&:= 2 + (22 \times ((2 \times (22 + 2)) + 222)) \\
&:= (3 \times (3 + 3))^3 + ((333 - 3)/3) \\
&:= 4 + ((4 \times (4 \times (4^4 + 4) + 444)) + (4 + 4)/4) \\
&:= 5 + ((5^5 - (5^5 + 5)/(5 + 5)) + 5^5) \\
&:= (6 + 6)/6 + (66 \times (((66 + 6 + 6) + 6) + 6)) \\
&:= 7 + ((77 \times 77 - 7/7) + 7) \\
&:= 8 + ((88 - ((8 + 8)/8)) \times (88 - (88/8 + 8))) \\
&:= 99 + (9 \times 9 \times (9 \times 9 - 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5943 &:= 1 + (1 + ((1 + ((111 - 1 - 1)^{1+1}))/ (1 + 1))) \\
&:= 222/2 + ((2^{2+2} + 2)^{2/2+2}) \\
&:= 3 + (3 \times (33 \times (3^3 + 33))) \\
&:= (4 - 4/4) \times ((44 \times 44 + 44) + 4/4) \\
&:= 5 + (((5 - 5^5)/(5 + 5)) + 5^5) + 5^5 \\
&:= 6 + (6666 - ((6 \times 6/(6 + 6))^6)) \\
&:= 7 + (77 \times 77 + 7) \\
&:= 888 + ((8 \times (8 \times (88 - 8) - 8)) - 8/8) \\
&:= 999/9 + 9 \times 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5948 &:= 1 + (1 + ((11 + ((111 - 1 - 1)^{1+1}))/ (1 + 1))) \\
&:= 2 \times (((22 + 2) \times ((22/2)^2 + 2)) + 22) \\
&:= (3 \times ((33 \times (3^3 + 33)) + 3)) - 3/3 \\
&:= ((44 + 4) \times (4 \times 4 \times (4 + 4) - 4)) - 4 \\
&:= 5 + (((5 - 5^5)/(5 + 5)) + 5^5) + 5^5 \\
&:= 6 + ((66 \times (((66 + 6 + 6) + 6) + 6)) + ((6 + 6)/6)) \\
&:= 7 + (77 \times 77 + (77 + 7)/7) \\
&:= 8 + (((8 + 8)/8) + 8 \times 8) \times ((8 + 8)/8 + 88) \\
&:= 9 + (((9 \times 9 \times (9 \times 9 - 9) - 9/9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5953 &:= 1 + (11 + ((1 + ((111 - 1 - 1)^{1+1}))/ (1 + 1))) \\
&:= 2 + (((2 \times 2 \times 22 - 22/2)^2) + 22) \\
&:= (3 \times (3 + 3))^3 + ((33/3)^{3-3/3}) \\
&:= 4/4 + ((44 + 4) \times (4 \times 4 \times (4 + 4) - 4)) \\
&:= 55 + ((5 \times 555 - ((5 + 5)/5)) + 5^5) \\
&:= 6 + (((66/6 + 66)^{(6+6)/6}) + 6) + 6) + 6) \\
&:= 7 + ((77 \times 77 + ((77 - 7)/7)) + 7) \\
&:= 8/8 + (8 \times (8 \times (88 + 8) - (8 + 8 + 8))) \\
&:= 9 + (9 \times 9 \times (9 \times 9 - 9) + ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5944 &:= 1 + (1 + (1 + ((1 + ((111 - 1 - 1)^{1+1}))/ (1 + 1)))) \\
&:= 2 + ((22 \times ((2 \times (22 + 2)) + 222)) + 2) \\
&:= (3 \times (3 + 3))^3 + ((333 + 3)/3) \\
&:= 4 + ((4 \times (4 \times (4^4 + 4) + 444)) + 4) \\
&:= 5 + (55 \times (55 + 55) - 555/5) \\
&:= ((6 + 6) \times 666) - (((6 + 6)/6)^{66/6}) \\
&:= 7 + ((77 \times 77 + 7/7) + 7) \\
&:= 888 + (8 \times (8 \times (88 - 8) - 8)) \\
&:= 9 \times 9 \times (9 \times 9 - 9) + ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5949 &:= ((11 - 1) \times (111 + ((11 + 11)^{1+1}))) - 1 \\
&:= 22 + (((2 \times 2 \times 22 - 22/2)^2) - 2) \\
&:= 3 \times ((33 \times (3^3 + 33)) + 3) \\
&:= 4 + (((4 - 4/4)^4 - 4)^{(4+4)/4}) + 4 \times 4 \\
&:= 5^5 + (5^5 - (5 \times (55 + 5) + 5/5)) \\
&:= 6 + ((6666 - ((6 \times 6/(6 + 6))^6)) + 6) \\
&:= 7 + (((77 \times 77 - 7/7) + 7) + 7) \\
&:= 8 + ((8 \times (8 \times (88 + 8) - (8 + 8 + 8))) - (88/8)) \\
&:= 9 + ((9 \times 9 \times (9 \times 9 - 9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5954 &:= 1 + (1 + (11 + ((1 + ((111 - 1 - 1)^{1+1}))/ (1 + 1)))) \\
&:= 2 + (2 \times (2 \times ((22 + 2) \times (2^{2+2+2} - 2)))) \\
&:= (3 \times (3 + 3))^3 + ((3^{3+3} + 3)/(3 + 3)) \\
&:= (4 + 4)/4 + ((44 + 4) \times (4 \times 4 \times (4 + 4) - 4)) \\
&:= 55 + ((5 \times 555 - 5/5) + 5^5) \\
&:= 6 + (((66 \times (((66 + 6 + 6) + 6) + 6)) + ((6 + 6)/6)) + 6) \\
&:= 7 + ((77 \times 77 + (77/7)) + 7) \\
&:= (8 + 8)/8 + (8 \times (8 \times (88 + 8) - (8 + 8 + 8))) \\
&:= 9 \times 9 \times (9 \times 9 - 9) + (999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5945 &:= ((11 + ((111 - 1 - 1)^{1+1}))/ (1 + 1)) - 1 \\
&:= 2^{2+2} + ((2 \times 2 \times 22 - 22/2)^2) \\
&:= 3 + (((333 - 3)/3) + (3 \times (3 + 3))^3) \\
&:= 4 \times 4 + (((4 - 4/4)^4 - 4)^{(4+4)/4}) \\
&:= 5 + ((55 + 55) \times (55 - 5/5)) \\
&:= (6 - 6/6) \times ((66 \times (6 + 6 + 6)) + 6/6) \\
&:= 7 + ((77 \times 77 + ((7 + 7)/7)) + 7) \\
&:= 8 + (((88 - 88/8)^{(8+8)/8}) + 8) \\
&:= 9 \times 9 \times (9 \times 9 - 9) + ((999 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5950 &:= (11 - 1) \times (111 + ((11 + 11)^{1+1})) \\
&:= ((2 \times (22 + 2)) + 2) \times ((22/2)^2 - 2) \\
&:= 3/3 + (3 \times ((33 \times (3^3 + 33)) + 3)) \\
&:= (4 \times 4 + 4/4) \times ((4 + 4) \times 44 - (4 + 4)/4) \\
&:= 5 \times (5 \times (((5 - (5 + 5)/5)^5) - 5)) \\
&:= (6 - 6/6) \times ((66 \times (6 + 6 + 6)) + ((6 + 6)/6)) \\
&:= 7 + ((77 \times 77 + 7) + 7) \\
&:= (8 \times (8 \times (88 + 8) - (8 + 8 + 8))) - (8 + 8)/8 \\
&:= 9 \times 9 \times 9 \times 9 - (((9 + 9)/9)^9) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5955 &:= ((1 + 1)^{1+1+1}) + (11 \times (1 + 1 + 11)^{1+1}) \\
&:= 2 + (((2 \times 2 \times 22 - 22/2)^2) + 22) + 2) \\
&:= ((3 + 3) \times ((3 \times (333 - 3)) + 3)) - 3 \\
&:= 4 + (((44 + 4) \times (4 \times 4 \times (4 + 4) - 4)) - 4/4) \\
&:= 55 + (5 \times 555 + 5^5) \\
&:= (6 - 6/6) \times ((6 \times 6 \times 66 + 6)/((6 + 6)/6)) \\
&:= 7 + ((77 \times 77 + (77 + 7)/7) + 7) \\
&:= ((8/8 + 88) \times ((88/8 - 8) + 8 \times 8)) - 8 \\
&:= ((99 + 9)/9 \times (((9 + 9)/9)^9) - 9) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5946 &:= (11 + ((111 - 1 - 1)^{1+1}))/ (1 + 1) \\
&:= (2/2 + 2) \times (((2 \times 22)^2 + 2 \times 22) + 2) \\
&:= 33 + (3^3 \times ((3 + 3)^3 + 3)) \\
&:= ((4 + 4)/4 + 4) \times ((4 \times (4^4 - 4 - 4)) - 4/4) \\
&:= 5 + (((55 + 5/5) \times (555/5 - 5)) + 5) \\
&:= 6 + (66 \times (((66 + 6 + 6) + 6) + 6)) \\
&:= 7 + (77 \times 77 + ((77 - 7)/7)) \\
&:= 8 + (((88 - 88/8)^{(8+8)/8}) + 8/8) + 8) \\
&:= (9 - ((9 + 9 + 9)/9)) \times ((999 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5951 &:= 11 + (((111 - 1 - 1)^{1+1}) - 1)/ (1 + 1) \\
&:= 22 + ((2 \times 2 \times 22 - 22/2)^2) \\
&:= 33/3 + (3 \times (33 \times (3^3 + 33))) \\
&:= ((44 + 4) \times (4 \times 4 \times (4 + 4) - 4)) - 4/4 \\
&:= 5^5 + ((5/5 - 5 \times (55 + 5)) + 5^5) \\
&:= 6 + ((6 - 6/6) \times ((66 \times (6 + 6 + 6)) + 6/6)) \\
&:= 7 + (((77 \times 77 + 7/7) + 7) + 7) \\
&:= (8 \times (8 \times (88 + 8) - (8 + 8 + 8))) - 8/8 \\
&:= 9 + ((9 \times 9 \times (9 \times 9 - 9) + 99/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5956 &:= ((111 - 1)^{1+1}) - ((1 + 1 + 1) \times (1 + 1)^{1+1}) \\
&:= 2 \times ((2 \times (2 \times (22 - 2))^2) - 222) \\
&:= 3 + (((33/3)^{3-3/3}) + (3 \times (3 + 3))^3) \\
&:= 4 + ((44 + 4) \times (4 \times 4 \times (4 + 4) - 4)) \\
&:= 55 + ((5 \times 555 + 5^5) + 5/5) \\
&:= 6 + ((6 - 6/6) \times ((66 \times (6 + 6 + 6)) + ((6 + 6)/6))) \\
&:= 7 + (((77 \times 77 - 7/7) + 7) + 7) + 7) \\
&:= 8 + (((8 + 8)/8) + 8 \times 8) \times ((8 + 8)/8 + 88) + 8) \\
&:= (9 + 9) \times (9 + 9) + ((99/9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5947 &:= 1 + ((11 + ((111 - 1 - 1)^{1+1}))/ (1 + 1)) \\
&:= 2 + (((2 \times 2 \times 22 - 22/2)^2) + 2^{2+2}) \\
&:= 3 + (((333 + 3)/3) + (3 \times (3 + 3))^3) \\
&:= 44/4 + (4 \times (4 \times (4^4 + 4) + 444)) \\
&:= (5^5 + 5)/(5 + 5) \times (5 \times 5 - (5/5 + 5)) \\
&:= 6 + (((66/6 + 66)^{(6+6)/6}) + 6) + 6) \\
&:= 7 + (77 \times 77 + (77/7)) \\
&:= 8 \times 8 + (888/8 \times (8 \times 8 - 88/8)) \\
&:= 99 + ((9 - 9/9) \times (9 \times 9 \times 9 + ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5952 &:= 11 + ((1 + ((111 - 1 - 1)^{1+1}))/ (1 + 1)) \\
&:= 2 \times (2 \times ((22 + 2) \times (2^{2+2+2} - 2))) \\
&:= 3 + (3 \times ((33 \times (3^3 + 33)) + 3)) \\
&:= (44 + 4) \times (4 \times 4 \times (4 + 4) - 4) \\
&:= (5 \times 5 - 5/5) \times (((5 - (5 + 5)/5)^5) + 5) \\
&:= 6 + ((66 \times (((66 + 6 + 6) + 6) + 6)) + 6) \\
&:= 7 + (((77 \times 77 + ((7 + 7)/7)) + 7) + 7) \\
&:= 8 \times (8 \times (88 + 8) - (8 + 8 + 8)) \\
&:= 9 + (9 \times 9 \times (9 \times 9 - 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5957 &:= 11 + ((11 + ((111 - 1 - 1)^{1+1}))/ (1 + 1)) \\
&:= (22 + 2/2) \times ((2^{2 \times (2+2)} + 2/2) + 2) \\
&:= (3 \times (3 + 3))^3 + (3 - 3/3 + 3)^3 \\
&:= 4 + (((44 + 4) \times (4 \times 4 \times (4 + 4) - 4)) + 4/4) \\
&:= 5 + ((5 \times 5 - 5/5) \times (((5 - (5 + 5)/5)^5) + 5)) \\
&:= 6 + (((6 - 6/6) \times ((66 \times (6 + 6 + 6)) + 6/6)) + 6) \\
&:= 7 + (((77 \times 77 + 7) + 7) + 7) \\
&:= (8 - 8/8) \times ((8 \times (88 + 8 + 8) + 88/8) + 8) \\
&:= (9 \times (9 + 9) - 9/9) \times (((9/9 + 9 + 9) + 9) + 9)
\end{aligned}$$

$$\blacktriangleright 5958 := (1 + 1 + (1 + 1)^{(1+1)^{1+1+1}}) / 11$$

$$:= 2 + (2 \times ((2 \times (2 \times (22 - 2))^2) - 222))$$

$$:= (3 + 3) \times ((3 \times (333 - 3)) + 3)$$

$$:= ((4 + 4) / 4 + 4) \times ((4 \times (4^4 - 4 - 4)) + 4 / 4)$$

$$:= 5 + (((5 \times 555 - (5 + 5) / 5) + 5^5) + 55)$$

$$:= 6 \times ((66 \times (6 \times 6 - 6) + 6) / ((6 + 6) / 6))$$

$$:= 7 + (((77 \times 77 + 7 / 7) + 7) + 7)$$

$$:= 8 + ((8 \times (8 \times (88 + 8) - (8 + 8 + 8))) - ((8 + 8) / 8))$$

$$:= 9 + (((9 \times 9 \times (9 \times 9 - 9) + 99) + 9) + 9)$$

$$\blacktriangleright 5963 := 1 + (11 \times (1 + (1 + (11 + (1 + 11 + 11)^{1+1}))))$$

$$:= (((2 \times 2 \times (22 - 2) - 2)^2) - (22 / 2)^2)$$

$$:= ((3^3 + 3 / 3) \times ((3 + 3)^3 - 3)) - 3 / 3$$

$$:= 44 / 4 + ((44 + 4) \times (4 \times 4 \times (4 + 4) - 4))$$

$$:= 5 \times 5 + (((5 - 5^5) / (5 + 5)) + 5^5) + 5^5$$

$$:= 6666 - ((666 + 6 / 6) + 6 \times 6)$$

$$:= 7 \times 7 + (77 \times 77 - (7 / 7 + 7 + 7))$$

$$:= (8 / 8 + 88) \times ((88 / 8 - 8) + 8 \times 8)$$

$$:= 9 + ((999 + 99) / 9 + 9 \times 9 \times (9 \times 9 - 9))$$

$$\blacktriangleright 5968 := (1 + 1) \times (((1 + 1)^{1+1+1}) - (1 + 1111))$$

$$:= 2 \times ((2 \times (22 + 2) + 2)^2 + 22^2)$$

$$:= 3 / 3 + (3 \times ((3 + 3) \times 333 - 3 \times 3))$$

$$:= 4 \times (44 \times 44 - 444)$$

$$:= 5^5 + (5^5 - ((5 \times 55 + ((5 + 5) / 5) + 5))$$

$$:= 6 + (6666 - ((66 / 6) \times ((6 + 6) / 6)^6))$$

$$:= 7 \times 7 + (((7 - 77) / 7) + 77 \times 77)$$

$$:= 8 \times 8 \times (88 + 8) - (88 + 88)$$

$$:= 9 \times (9 \times 9 \times 9 - 9) - ((9 + 9) / 9)^9$$

$$\blacktriangleright 5959 := 1 + (1 + 1 + (1 + 1)^{(1+1)^{1+1+1}}) / 11$$

$$:= ((2 \times 2 \times (22 - 2))^2) - ((22 - 2 / 2)^2)$$

$$:= 3 / 3 + ((3 + 3) \times ((3 \times (333 - 3)) + 3))$$

$$:= (4 + 4)^4 + ((4 - 4 / 4) \times ((4 / 4 + 4)^4 - 4))$$

$$:= 5 + (((5 \times 555 - 5 / 5) + 5^5) + 55)$$

$$:= 6 \times 6 + (((66 / 6 + 66)^{(6+6) / 6}) - 6)$$

$$:= 7 + (((77 \times 77 + ((7 + 7) / 7)) + 7) + 7 + 7)$$

$$:= 8 + ((8 \times (8 \times (88 + 8) - (8 + 8 + 8))) - 8 / 8)$$

$$:= 9 \times (9 \times 9 \times 9 - 9) - (((9 + 9) / 9)^9 + 9)$$

$$\blacktriangleright 5964 := (1 + 11) \times (1 + (1 + (11 + ((11 + 11)^{1+1}))))$$

$$:= (2 + 2 + 2) \times ((2 \times (22^2 + 2)) + 22)$$

$$:= (3^3 + 3 / 3) \times ((3 + 3)^3 - 3)$$

$$:= 4 \times (44 \times 44 - 444) - 4$$

$$:= 5^5 + (5^5 - (5 \times 55 + (55 / 5)))$$

$$:= 6666 - (666 + 6 \times 6)$$

$$:= 7 \times 7 + (77 \times 77 - (7 + 7))$$

$$:= ((88 + 8) / 8) \times ((8 \times 8 \times 8 - 8 - 8) + 8 / 8)$$

$$:= (9 \times 9 - (9 / 9 + 9)) \times (((9 + 9 + 9) / 9) + 9 \times 9)$$

$$\blacktriangleright 5969 := ((1 + 1) \times (((1 + 1)^{1+1+1}) - 1111)) - 1$$

$$:= (2^{22/2+2}) - (2222 + 2 / 2)$$

$$:= 3 + ((3 \times (3 + 3) \times 333) - (3^3 + 3 / 3))$$

$$:= 4 / 4 + 4 \times (44 \times 44 - 444)$$

$$:= 5^5 + (5^5 - ((5 \times 55 + 5 / 5) + 5))$$

$$:= ((6 + 6) \times ((6 \times (66 + 6)) + 66)) - 6 / 6 - 6$$

$$:= 7 \times 7 + (77 \times 77 - ((7 + 7) / 7 + 7))$$

$$:= (8 \times (8 \times (88 + 8) - 8)) - 888 / 8$$

$$:= 9 / 9 + (9 \times (9 \times 9 \times 9 - 9) - ((9 + 9) / 9)^9)$$

$$\blacktriangleright 5960 := (11 - 1) \times (1 + (111 + ((11 + 11)^{1+1})))$$

$$:= 22^2 + ((2 \times (2 + 2 + 2)^2 + 2)^2)$$

$$:= 3 + ((3 - 3 / 3 + 3)^3 + (3 \times (3 + 3))^3)$$

$$:= 4 + (((44 + 4) \times (4 \times 4 \times (4 + 4) - 4)) + 4)$$

$$:= 5 + ((5 \times 555 + 5^5) + 55)$$

$$:= (6 - 6 / 6) \times (((66 \times (6 + 6 + 6)) - ((6 + 6) / 6)) + 6)$$

$$:= 7 \times 7 \times 77 + ((7 + 7 + 7) / 7)^7$$

$$:= 8 + (8 \times (8 \times (88 + 8) - (8 + 8 + 8)))$$

$$:= (9 - 9 / 9) \times (((9 \times 9 \times 9 - (9 + 9) / 9) + 9) + 9)$$

$$\blacktriangleright 5965 := 1 + ((1 + 11) \times (1 + (1 + (11 + ((11 + 11)^{1+1}))))$$

$$:= 2 + (((2 \times 2 \times (22 - 2) - 2)^2) - (22 / 2)^2)$$

$$:= 3 / 3 + ((3^3 + 3 / 3) \times ((3 + 3)^3 - 3))$$

$$:= 4 / 4 + (4 \times (44 \times 44 - 444) - 4)$$

$$:= 5^5 + (5^5 - ((5 \times 55 + 5) + 5))$$

$$:= 6 \times 6 + (((66 / 6 + 66)^{(6+6) / 6}) - 6)$$

$$:= 7 / 7 + ((77 \times 77 - (7 + 7)) + 7 \times 7)$$

$$:= 8 \times 8 \times 88 + ((88 / 8 - 8) \times 888 / 8)$$

$$:= ((9 - 9 / 9) \times ((9 \times 9 \times 9 + 9) + 9)) - 99 / 9$$

$$\blacktriangleright 5970 := (1 + 1) \times (((1 + 1)^{1+1+1}) - 1111)$$

$$:= (2^{22/2+2}) - 2222$$

$$:= 3 + (3 \times ((3 + 3) \times 333 - 3 \times 3))$$

$$:= (4 + 4) / 4 + 4 \times (44 \times 44 - 444)$$

$$:= 5^5 + (5^5 - (5 \times 55 + 5))$$

$$:= (6 - 6 / 6) \times ((66 \times (6 + 6 + 6)) + 6)$$

$$:= 7 \times 7 + (77 \times 77 - (7 / 7 + 7))$$

$$:= ((8 - 888) / 8) + (8 \times (8 \times (88 + 8) - 8))$$

$$:= 9 + (((9 \times 9 \times (9 \times 9 - 9) + 999 / 9) + 9) + 9)$$

$$\blacktriangleright 5961 := 1 + ((11 - 1) \times (1 + (111 + ((11 + 11)^{1+1}))))$$

$$:= 2 + (((2 \times 2 \times (22 - 2))^2) - ((22 - 2 / 2)^2))$$

$$:= (3 \times (3 + 3) \times 333) - 33$$

$$:= 4 \times (4 + 4) + (((4 - 4 / 4)^4 - 4)^{(4+4) / 4})$$

$$:= 5 + (((5 \times 555 + 5^5) + 55) + 5 / 5)$$

$$:= 6 + ((6 - 6 / 6) \times ((6 \times 6 \times 66 + 6) / ((6 + 6) / 6)))$$

$$:= 7 + (((77 \times 77 + (77 / 7)) + 7) + 7)$$

$$:= (88 / 8 - 8)^8 - (8 \times 8 \times 8 + 88)$$

$$:= 9 + ((9 \times 9 \times (9 \times 9 - 9) + 999 / 9) + 9)$$

$$\blacktriangleright 5966 := (1 + 1) \times (((1 + 1)^{1+1+1}) - (1 + (1 + 1111)))$$

$$:= 2 + ((2 + 2 + 2) \times ((2 \times (22^2 + 2)) + 22))$$

$$:= (3 \times (3 + 3) \times 333) - (3^3 + 3 / 3)$$

$$:= 4 \times (44 \times 44 - 444) - (4 + 4) / 4$$

$$:= 55 + ((5 \times 555 + (55 / 5)) + 5^5)$$

$$:= 6 \times 6 + (((66 / 6 + 66)^{(6+6) / 6}) + 6 / 6)$$

$$:= 7 \times 7 + (77 \times 77 - (77 + 7) / 7)$$

$$:= 88 \times 88 - (((8 + 8) / 8) \times (888 + 8 / 8))$$

$$:= (9 / 9 + 9 + 9) \times ((9 + 9) \times (9 + 9) - (9 / 9 + 9))$$

$$\blacktriangleright 5971 := 1 + ((1 + 1) \times (((1 + 1)^{1+1+1}) - 1111))$$

$$:= 2 / 2 + ((2^{22/2+2}) - 2222)$$

$$:= 3 + ((3 \times ((3 + 3) \times 333 - 3 \times 3)) + 3 / 3)$$

$$:= (4 + 4)^4 + ((4 - 4 / 4) \times (4 / 4 + 4)^4)$$

$$:= 5^5 + ((5 / 5 - (5 \times 55 + 5)) + 5^5)$$

$$:= 6 + (((66 / 6 + 66)^{(6+6) / 6}) + 6 \times 6)$$

$$:= 7 \times 7 + (77 \times 77 - 7)$$

$$:= 8 + ((8 / 8 + 88) \times ((88 / 8 - 8) + 8 \times 8))$$

$$:= 9 \times 9 \times 99 - (((9 + 9) / 9)^{99 / 9})$$

$$\blacktriangleright 5962 := 11 \times (1 + (1 + (11 + (1 + 11 + 11)^{1+1})))$$

$$:= 2 + (((2 \times (2 + 2 + 2)^2 + 2)^2) + 22^2)$$

$$:= 3 / 3 + ((3 \times (3 + 3) \times 333) - 33)$$

$$:= (44 / ((4 + 4) / 4)) \times ((44 / 4 + 4^4) + 4)$$

$$:= 5 \times 5 + ((5^5 - (5^5 + 5) / (5 + 5)) + 5^5)$$

$$:= 6666 - ((66 / 6) \times ((6 + 6) / 6)^6)$$

$$:= 77 / 7 \times (((7 + 7 + 7) / 7) + 7 \times 77)$$

$$:= 88 + ((8 / 8 + 88) \times (((8 + 8) / 8) + 8 \times 8))$$

$$:= 9 \times 9 \times 99 - (((9 + 9) / 9)^{99 / 9} + 9)$$

$$\blacktriangleright 5967 := (1 + 1 + 1)^{1+1+1} \times ((1 + 1) \times 111 - 1)$$

$$:= (222 - 2 / 2) \times (((22 + 2 / 2) + 2) + 2)$$

$$:= 3 \times ((3 + 3) \times 333 - 3 \times 3)$$

$$:= (4 \times 4 + 4 / 4) \times ((4 + 4) \times 44 - 4 / 4)$$

$$:= ((5 / 5 - 5) + 55) \times ((555 + 5) / 5 + 5)$$

$$:= 6 \times 6 + (6666 - (((6 \times 6) / (6 + 6))^6 + 6))$$

$$:= 7 \times 7 + (77 \times 77 - (77 / 7))$$

$$:= (8 / 8 + 8) \times ((8 \times (8 \times 8 + 8) - 8 / 8) + 88)$$

$$:= ((9 - 9 / 9) \times ((9 \times 9 \times 9 + 9) + 9)) - 9$$

$$\blacktriangleright 5972 := (1 + 1) \times (1 + (((1 + 1)^{1+1+1}) - 1111))$$

$$:= 2 + ((2^{22/2+2}) - 2222)$$

$$:= ((3 + 3) \times (3 \times 333 - 3)) - (3 / 3 + 3)$$

$$:= 4 + 4 \times (44 \times 44 - 444)$$

$$:= 5^5 + (((5 + 5) / 5 - (5 \times 55 + 5)) + 5^5)$$

$$:= (6 + 6) / 6 + ((6 - 6 / 6) \times ((66 \times (6 + 6 + 6)) + 6))$$

$$:= 7 / 7 + ((77 \times 77 - 7) + 7 \times 7)$$

$$:= ((8 / 8 + 8 \times 8) \times (8 \times 8 / (8 + 8) + 88)) - 8$$

$$:= 9 / 9 + (9 \times 9 \times 99 - (((9 + 9) / 9)^{99 / 9}))$$

$$\begin{aligned}
\blacktriangleright 5973 &:= 11 \times (((1111 - 1)/(1 + 1)) - (1 + 11)) \\
&:= 2 \times 22 + ((2 \times 2 \times 22 - 22/2)^2) \\
&:= (3 + 3) \times (3 \times 333 - 3) - 3 \\
&:= 44 + (((4 - 4/4)^4 - 4)^{(4+4)/4}) \\
&:= 5^5 + (5^5 - (5 \times 55 + ((5 + 5)/5))) \\
&:= 6 \times 6 + (6666 - ((6 \times 6/(6 + 6))^6)) \\
&:= 7 \times 7 + ((77 \times 77 - 7) + ((7 + 7)/7)) \\
&:= (88 \times (8 \times 8/(8 + 8) + 8 \times 8)) - 88/8 \\
&:= 9 + ((9 \times 9 - (9/9 + 9)) \times (((9 + 9 + 9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5978 &:= (1 + 1) \times (((1 + 1 + 1) \times (11 - 1)^{1+1+1}) - 11) \\
&:= (2 \times (2 \times 22))^2 - (2 \times 22 - 2)^2 - 2 \\
&:= 3 + (((3 + 3) \times (3 \times 333 - 3)) - 3/3) \\
&:= ((44 + 4/4) + 4) \times (444 + 44)/4 \\
&:= 5 + ((5^5 - (5 \times 55 + ((5 + 5)/5))) + 5^5) \\
&:= (6 + 6)/6 + ((6 + 6) \times ((6 \times (66 + 6)) + 66)) \\
&:= 7 \times (777 + 77) \\
&:= 8 + ((8 \times (8 \times (88 + 8) - 8)) + ((8 - 888)/8)) \\
&:= (99 - 9/9) \times (9 \times 9 - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5983 &:= (111 \times ((111 - 1)/(1 + 1) - 1)) - 11 \\
&:= (2/2 + 2)^{2 \times (2+2)} - (22 + 2)^2 - 2 \\
&:= (3 \times (3 + 3) \times 333) - 33/3 \\
&:= (4 + 4) \times 4 \times 4 \times 44 + 44 - 4/4 \\
&:= (555/5 \times (55 - 5/5)) - 55/5 \\
&:= 6 + (((6 + 6) \times ((6 \times (66 + 6)) + 66)) + 6/6) \\
&:= 7 + ((77 \times 77 - ((7 + 7)/7)) + 7 \times 7) \\
&:= (88 \times (8 \times 8/(8 + 8) + 8 \times 8)) - 8/8 \\
&:= (9 \times ((9 \times (9 \times 9 - 9) + 9) + 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5974 &:= 1 + (11 \times (((1111 - 1)/(1 + 1)) - (1 + 11))) \\
&:= 2 + (((2^{22/2+2}) - 2222) + 2) \\
&:= 3/3 + (((3 + 3) \times (3 \times 333 - 3)) - 3) \\
&:= 4 + (4 \times (44 \times 44 - 444) + (4 + 4)/4) \\
&:= 5^5 + (5^5 - (5 \times 55 + 5/5)) \\
&:= (((6 + 6)/6)^6 - 6) \times ((6 \times 6 + 66) + 6/6) \\
&:= 7 + ((77 \times 77 - (77/7)) + 7 \times 7) \\
&:= (888/8 - 8) \times (((8 + 8)/8) - 8) + 8 \times 8 \\
&:= (9 \times ((9 \times (9 \times 9 - 9) + 9) + 9)) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5979 &:= (1 + 1 + 1) \times ((1 + 1)^{11} - (111 - 1)/(1 + 1)) \\
&:= (2 \times (2 \times 22))^2 - (2 \times 22 - 2)^2 - 2/2 \\
&:= 3 + ((3 + 3) \times (3 \times 333 - 3)) \\
&:= 44/4 + 4 \times (44 \times 44 - 444) \\
&:= 5 + ((5^5 - (5 \times 55 + 5/5)) + 5^5) \\
&:= ((6 \times 6/(6 + 6) + 6) \times (666 - 6/6)) - 6 \\
&:= 7/7 + (77 \times 77 + 7 \times 7) \\
&:= 8 + (((8/8 + 88) \times ((88/8 - 8) + 8 \times 8)) + 8) \\
&:= ((9 - ((9 + 9 + 9)/9)) \times (999 - 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5984 &:= 11 \times (((1111 - 1)/(1 + 1)) - 11) \\
&:= 22 \times (2^{2 \times (2+2)} + 2^{2+2}) \\
&:= (3 \times ((3 + 3) \times 333 - 3)) - 3/3 \\
&:= (4 + 4) \times 4 \times 4 \times 44 + 44 \\
&:= 55/5 \times (555 - (55/5)) \\
&:= ((6 + 6) \times (6 + 6) \times (6 \times 6 + 6)) - ((6 + 6)/6)^6 \\
&:= 7 + ((77 \times 77 - 7/7) + 7 \times 7) \\
&:= 88 \times (8 \times 8/(8 + 8) + 8 \times 8) \\
&:= (9 - 9/9) \times (((9 \times 9 \times 9 + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5975 &:= ((1 + 1 + 1) \times (1 + 1)^{11}) - (1 + 1 + 11)^{1+1} \\
&:= ((22 + 2/2) + 2) \times ((22^2 - 2)/2 - 2) \\
&:= (3 + 3) \times (3 \times 333 - 3) - 3/3 \\
&:= 4 + (((4 - 4/4) \times (4/4 + 4)^4) + (4 + 4)^4) \\
&:= 5^5 + (5^5 - 5 \times 55) \\
&:= (6 + 6) \times ((6 \times (66 + 6)) + 66) - 6/6 \\
&:= 7 \times 7 + (77 \times 77 - ((7 + 7 + 7)/7)) \\
&:= 8 \times 8 \times 88 + ((8 - 8/8)^{88/8-8}) \\
&:= ((9 - 9/9) \times ((9 \times 9 \times 9 + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5980 &:= 1 + (1 + 1 + 1) \times ((1 + 1)^{11} - (111 - 1)/(1 + 1)) \\
&:= (22 - 2) \times (((22 + 2)^2) + 22)/2 \\
&:= 3 + (((3 + 3) \times (3 \times 333 - 3)) + 3/3) \\
&:= (4/4 + 4) \times (4 \times (44 + 4^4) - 4) \\
&:= 5 + ((5^5 - 5 \times 55) + 5^5) \\
&:= (6/6 + 6 + 6) \times (((6 + 6)/6)^6 + 6 \times 66) \\
&:= 7 \times 7 + (77 \times 77 + ((7 + 7)/7)) \\
&:= (8/8 + 8 \times 8) \times (8 \times 8/(8 + 8) + 88) \\
&:= 9 + (9 \times 9 \times 99 - (((9 + 9)/9)^{99/9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5985 &:= 1 + (11 \times (((1111 - 1)/(1 + 1)) - 11)) \\
&:= (2/2 + 2)^{2 \times (2+2)} - (22 + 2)^2 \\
&:= 3 \times ((3 + 3) \times 333 - 3) \\
&:= (4 + 4) \times (4 \times 4 \times 44 + 44) + 4/4 \\
&:= 5 + (((5^5 - 5 \times 55) + 5^5) + 5) \\
&:= (6 \times 6/(6 + 6) + 6) \times (666 - 6/6) \\
&:= 7 + (77 \times 77 + 7 \times 7) \\
&:= (8/8 - 8 \times 8) \times (8/8 - (88 + 8)) \\
&:= (9 \times ((9 \times (9 \times 9 - 9) + 9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5976 &:= (1 + 1) \times ((11 - 1 - 1) \times ((1 + 1 + 1) \times 111 - 1)) \\
&:= 2 \times (2 \times ((2 \times (2 \times 22^2 - 222)) + 2)) \\
&:= (3 + 3) \times (3 \times 333 - 3) \\
&:= 4 + (4 \times (44 \times 44 - 444) + 4) \\
&:= 5^5 + ((5/5 - 5 \times 55) + 5^5) \\
&:= (6 + 6) \times ((6 \times (66 + 6)) + 66) \\
&:= 7 \times 7 + (77 \times 77 - ((7 + 7)/7)) \\
&:= (8/8 + 8) \times (8 \times (8 \times 8 + 8) + 88) \\
&:= (9 - 9/9) \times ((9 \times 9 \times 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5981 &:= 11 + ((1 + 1) \times (((1 + 1)^{1+1+1}) - 1111)) \\
&:= 2/2 + ((22 - 2) \times (((22 + 2)^2) + 22)/2) \\
&:= (3 \times ((3 + 3) \times 333 - 3)) - (3/3 + 3) \\
&:= 4/4 + ((4/4 + 4) \times (4 \times (44 + 4^4) - 4)) \\
&:= 5 + (((5^5 - 5 \times 55) + 5^5) + 5/5) \\
&:= 6 + (((6 + 6) \times ((6 \times (66 + 6)) + 66)) - 6/6) \\
&:= 7 \times 7 + (77 \times 77 + ((7 + 7 + 7)/7)) \\
&:= (8 \times (8 \times (88 + 8) - 8)) - (88/8 + 88) \\
&:= 9 \times (9 \times 9 \times 9 - 9) + ((9 - 9 \times 999)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5986 &:= 1 + (1 + (11 \times (((1111 - 1)/(1 + 1)) - 11))) \\
&:= 2 + 22 \times (2^{2 \times (2+2)} + 2^{2+2}) \\
&:= 3/3 + (3 \times ((3 + 3) \times 333 - 3)) \\
&:= (4 + 4) \times (4 \times 4 \times 44 + 44) + (4 + 4)/4 \\
&:= 5^5 + (((55/5 - 5 \times 55) + 5^5)) \\
&:= 6 + ((6/6 + 6 + 6) \times (((6 + 6)/6)^6 + 6 \times 66)) \\
&:= 7 + ((77 \times 77 + 7 \times 7) + 7/7) \\
&:= 8/8 + ((8/8 - 8 \times 8) \times (8/8 - (88 + 8))) \\
&:= (9/9 + 9 \times 9) \times ((9/9 - 9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5977 &:= 1 + ((1 + 1) \times ((11 - 1 - 1) \times ((1 + 1 + 1) \times 111 - 1))) \\
&:= 2 + (((22 + 2/2) + 2) \times ((22^2 - 2)/2 - 2)) \\
&:= 3/3 + ((3 + 3) \times (3 \times 333 - 3)) \\
&:= 4 + (((4 - 4/4)^4 - 4)^{(4+4)/4}) + 44 \\
&:= 5^5 + (((5 + 5)/5 - 5 \times 55) + 5^5) \\
&:= 6/6 + ((6 + 6) \times ((6 \times (66 + 6)) + 66)) \\
&:= 7 \times 7 + (77 \times 77 - 7/7) \\
&:= (88/8 - 8)^8 - (8 \times (8 \times 8 + 8) + 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) - ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5982 &:= (111 \times ((111 - 1)/(1 + 1) - 1)) - 1 - 11 \\
&:= (22 \times (2^{2 \times (2+2)} + 2^{2+2})) - 2 \\
&:= (3 + 3) \times (((3 \times 3 + 3/3)^3) - 3) \\
&:= (4 + 4)/4 \times ((44 \times (4 \times 4 \times 4 + 4)) - 4/4) \\
&:= 5 + (((5 + 5)/5 - 5 \times 55) + 5^5) + 5^5 \\
&:= 6 + ((6 + 6) \times ((6 \times (66 + 6)) + 66)) \\
&:= 7 \times 7 + ((77 \times 77 - 7) + (77/7)) \\
&:= 8 \times 888 - ((8888 + 88)/8) \\
&:= (9 - ((9 + 9 + 9)/9)) \times (999 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5987 &:= ((1 + 11) \times (((11 - 1)^{1+1+1}/(1 + 1)) - 1)) - 1 \\
&:= 2 + (2/2 + 2)^{2 \times (2+2)} - (22 + 2)^2 \\
&:= 3 + ((3 \times ((3 + 3) \times 333 - 3)) - 3/3) \\
&:= (4 + 4) \times (4 \times 4 \times 44 + 44) + 4 - 4/4 \\
&:= 5^5 + (((55 + 5)/5) - 5 \times 55) + 5^5 \\
&:= 66/6 + ((6 + 6) \times ((6 \times (66 + 6)) + 66)) \\
&:= 7 + ((77 \times 77 + ((7 + 7)/7)) + 7 \times 7) \\
&:= 88/8 + ((8/8 + 8) \times (8 \times (8 \times 8 + 8) + 88)) \\
&:= 9 + ((99 - 9/9) \times (9 \times 9 - (99/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5988 &:= (1+11) \times (((11-1)^{1+1+1}/(1+1)) - 1) \\
&:= (2 \times 22 + 2)^2 + 2 \times (2 \times 22)^2 \\
&:= 3 + (3 \times (3+3) \times 333 - 3) \\
&:= (4+4) \times (4 \times 4 \times 44 + 44) + 4 \\
&:= (5+5)/5 \times (5^5 - ((5 \times 5 \times 5 + 5/5) + 5)) \\
&:= 6666 - ((666 + 6) + 6) \\
&:= 77 + (77 \times 77 - (77/7 + 7)) \\
&:= 8 + ((8/8 + 8 \times 8) \times (8 \times 8/(8+8) + 88)) \\
&:= (9 - ((9+9+9)/9)) \times (999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5989 &:= ((11 \times (11 \times (1+1+1))^{1+1}) - 1)/(1+1) \\
&:= 2 + (2/2 + 2)^{2 \times (2+2)} - (22 + 2)^2 + 2 \\
&:= 3 + ((3 \times (3+3) \times 333 - 3)) + 3/3 \\
&:= ((4 \times 4 + 4) \times (44 + 4^4)) - 44/4 \\
&:= (555/5 \times (55 - 5/5)) - 5 \\
&:= 6666 - (666 + (66/6)) \\
&:= 7 \times 7 + (77 \times 77 + (77/7)) \\
&:= (8 \times 8 - 88/8) \times ((888 + 8 + 8)/8) \\
&:= 9 + ((9 \times 9 \times 99 - ((9+9)/9)^{99/9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5990 &:= (1 + (11 \times (11 \times (1+1+1))^{1+1}))/ (1+1) \\
&:= 2 + ((2 \times 22 + 2)^2 + (2 \times (2 \times 22)^2)) \\
&:= (3 \times (3+3) \times 333) - (3/3 + 3) \\
&:= (4/4 + 4) \times (4 \times (44 + 4^4)) - (4+4)/4 \\
&:= (5+5) \times ((5^5 - 5)/5 - 5 \times 5) \\
&:= (6 - 66)/6 + 6666 - 666 \\
&:= 7 \times 7 + (77 \times 77 + (77 + 7)/7) \\
&:= (((8+8)/8) + 8) \times ((8 \times 8 \times 8 - 8/8) + 88) \\
&:= (9/9 + 9) \times (((9 \times 999 + 9)/(9+9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5991 &:= 1 + ((1 + (11 \times (11 \times (1+1+1))^{1+1}))/ (1+1)) \\
&:= (2/2 + 2) \times ((222 \times (2/2 + 2)^2) - 2/2) \\
&:= (3 \times (3+3) \times 333) - 3 \\
&:= 44444/4 - 4^4 \times (4 \times 4 + 4) \\
&:= 5/5 + ((5+5) \times ((5^5 - 5)/5 - 5 \times 5)) \\
&:= 6 + ((6 \times 6/(6+6) + 6) \times (666 - 6/6)) \\
&:= 7 + (((77 \times 77 - 7/7) + 7 \times 7) + 7) \\
&:= (8 \times (8 \times (88 + 8) - 8)) - (8/8 + 88) \\
&:= (9 \times ((9 \times (9 \times 9 - 9) + 9) + 9)) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5992 &:= (1+1) \times ((111 \times (1+1+1))^{1+1+1}) - 1 \\
&:= (222 \times (((22 + 2/2) + 2) + 2)) - 2 \\
&:= 3/3 + ((3 \times (3+3) \times 333) - 3) \\
&:= ((4 \times 4 + 4) \times (44 + 4^4)) - 4 - 4 \\
&:= (55 + 5/5) \times ((555 + 5)/5 - 5) \\
&:= (6/6 + 6) \times (66 \times (6+6) + ((6+6)/6)^6) \\
&:= 7 + ((77 \times 77 + 7 \times 7) + 7) \\
&:= (8 \times (8 \times (88 + 8) - 8)) - 88 \\
&:= (9 - 9/9) \times ((9 \times 9 \times 9 + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5993 &:= (111 \times ((111 - 1)/(1+1) - 1)) - 1 \\
&:= (22/2 + 2) \times (22^2 - (22 + 2/2)) \\
&:= (3 \times (3+3) \times 333) - 3/3 \\
&:= (4 \times 4 \times 444) - 4444/4 \\
&:= (555/5 \times (55 - 5/5)) - 5/5 \\
&:= 6666 - (666 + 6/6 + 6) \\
&:= 7 + (((77 \times 77 + 7 \times 7) + 7/7) + 7) \\
&:= 8 \times 888 - 8888/8 \\
&:= (9 \times ((9 \times (9 \times 9 - 9) + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5994 &:= 111 \times ((111 - 1)/(1+1) - 1) \\
&:= 222 \times (((22 + 2/2) + 2) + 2) \\
&:= 3 \times (3+3) \times 333 \\
&:= (4 - 4/4)^4 \times (((4^4 - 4) + 44)/4) \\
&:= 555/5 \times (55 - 5/5) \\
&:= 666 \times (6 \times 6/(6+6) + 6) \\
&:= 77 + (77 \times 77 - (77 + 7)/7) \\
&:= 8 \times 888 + ((8 - 8888)/8) \\
&:= 9 \times ((9 \times (9 \times 9 - 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5995 &:= 1 + (111 \times ((111 - 1)/(1+1) - 1)) \\
&:= 22 \times 222 + 2222/2 \\
&:= 3/3 + (3 \times (3+3) \times 333) \\
&:= (4/4 + 4) \times (4 \times (44 + 4^4)) - 4/4 \\
&:= 55 \times ((55 - 5/5) + 55) \\
&:= 66 + ((66/6 + 66)^{(6+6)/6}) \\
&:= 77 + (77 \times 77 - (77/7)) \\
&:= 88/8 + (88 \times (8 \times 8/(8+8) + 8 \times 8)) \\
&:= 9/9 + (9 \times ((9 \times (9 \times 9 - 9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5996 &:= 1 + (1 + (111 \times ((111 - 1)/(1+1) - 1))) \\
&:= 2 + (222 \times (((22 + 2/2) + 2) + 2)) \\
&:= 3 + ((3 \times (3+3) \times 333) - 3/3) \\
&:= ((4 \times 4 + 4) \times (44 + 4^4)) - 4 \\
&:= 5/5 + (55 \times ((55 - 5/5) + 55)) \\
&:= (6+6)/6 + (666 \times (6 \times 6/(6+6) + 6)) \\
&:= 7 + ((77 \times 77 + (77/7)) + 7 \times 7) \\
&:= (((8 - 88)/8 + 88)^{(8+8)/8}) - 88 \\
&:= (9+9)/9 + (9 \times ((9 \times (9 \times 9 - 9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5997 &:= (1+1+1) \times (((1+1) \times (11-1))^{1+1+1}) - 1 \\
&:= 2 + (22 \times 222 + (2222/2)) \\
&:= 3 + (3 \times (3+3) \times 333) \\
&:= 4/4 + (((4 \times 4 + 4) \times (44 + 4^4)) - 4) \\
&:= 5 + ((55 + 5/5) \times ((555 + 5)/5 - 5)) \\
&:= 6666 - ((6 \times 6/(6+6) + 666)) \\
&:= 77 + (77 \times 77 - ((7+7)/7 + 7)) \\
&:= 888 + (8 \times 8 \times (88 - 8) - (88/8)) \\
&:= 9 + ((9 - ((9+9+9)/9)) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5998 &:= (1+1) \times (((1+1+1) \times (11-1))^{1+1+1}) - 1 \\
&:= 222 + ((2 \times ((2+2+2)^2 + 2))^2) \\
&:= 3 + ((3 \times (3+3) \times 333) + 3/3) \\
&:= ((4 \times 4 + 4) \times (44 + 4^4)) - (4+4)/4 \\
&:= (5+5)/5 \times (5^5 - (5 \times 5 \times 5 + 5/5)) \\
&:= 6666 - (666 + (6+6)/6) \\
&:= 77 + (77 \times 77 - (7/7 + 7)) \\
&:= ((88 - 8) \times (88/8 + 8 \times 8)) - (8+8)/8 \\
&:= (((9+9)/9) + 9 \times 9)^{(9+9)/9} - 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5999 &:= (((11 \times 1111) - 1)/(1+1)) - 111 \\
&:= (((2/2 + 2)^{2+2} - 2)^2) - 22^2/2 \\
&:= ((3+3) \times ((3 \times 3 + 3/3)^3)) - 3/3 \\
&:= ((4 \times 4 + 4) \times (44 + 4^4)) - 4/4 \\
&:= 5 + (555/5 \times (55 - 5/5)) \\
&:= 6666 - 666 - 6/6 \\
&:= 77 + (77 \times 77 - 7) \\
&:= ((88 - 8) \times (88/8 + 8 \times 8)) - 8/8 \\
&:= 999 + ((9999 + 9/9)/(9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6000 &:= (1+1) \times ((1+1+1) \times (11-1))^{1+1+1} \\
&:= (22-2)^2 \times ((22/2+2) + 2) \\
&:= (3+3) \times ((3 \times 3 + 3/3)^3) \\
&:= (4 \times 4 + 4) \times (44 + 4^4) \\
&:= 5 \times (5+5) \times (5 \times 5 \times 5 - 5) \\
&:= 6666 - 666 \\
&:= 7/7 + ((77 \times 77 - 7) + 77) \\
&:= (88 - 8) \times (88/8 + 8 \times 8) \\
&:= (9 - ((9+9+9)/9)) \times (999 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6001 &:= 1 + ((1+1) \times ((1+1+1) \times (11-1))^{1+1+1}) \\
&:= 2/2 + (22-2)^2 \times ((22/2+2) + 2) \\
&:= 3/3 + ((3+3) \times ((3 \times 3 + 3/3)^3)) \\
&:= 4/4 + ((4 \times 4 + 4) \times (44 + 4^4)) \\
&:= 5/5 + 5 \times (5+5) \times (5 \times 5 \times 5 - 5) \\
&:= 6/6 + 6666 - 666 \\
&:= 77 + ((77 \times 77 - 7) + ((7+7)/7)) \\
&:= 8 + (8 \times 888 - 8888/8) \\
&:= 9 + ((9-9/9) \times ((9 \times 9 \times 9 + (99/9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6002 &:= (1+1) \times (1 + ((1+1+1) \times (11-1))^{1+1+1}) \\
&:= 2 + (22-2)^2 \times (22/2 + 2 + 2) \\
&:= (3 \times ((3+3) \times 333 + 3)) - 3/3 \\
&:= (4+4)/4 + ((4 \times 4 + 4) \times (44 + 4^4)) \\
&:= 5^5 + (5^5 - (((5 - (5+5)/5)^5) + 5)) \\
&:= (6+6)/6 + 6666 - 666 \\
&:= 7 + ((77 \times 77 - (77/7)) + 77) \\
&:= 8 + (((8 - 8888)/8) + 8 \times 888) \\
&:= 9 + ((9 \times ((9 \times (9 \times 9 - 9) + 9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6003 &:= (1+1+1) \times (1 + ((1+1) \times (11-1)^{1+1+1})) \\
&:= 2 + (22-2)^2 \times (22/2 + 2 + 2) + 2/2 \\
&:= 3 \times ((3+3) \times 333 + 3) \\
&:= 4 + (((4 \times 4 + 4) \times (44 + 4^4)) - 4/4) \\
&:= 5 + ((5+5)/5 \times (5^5 - (5 \times 5 \times 5 + 5/5))) \\
&:= (6 \times 6 / (6+6) + 6) \times (666 + 6/6) \\
&:= 77 + (77 \times 77 - ((7+7+7)/7)) \\
&:= (8/8 - 88) \times ((88/8 - 88) + 8) \\
&:= 9 + (9 \times (9 \times (9 \times 9 - 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6008 &:= (1+1) \times (1 + ((1+1+1) \times (1 + (11-1)^{1+1+1}))) \\
&:= 2 + (22/2 + 2) \times (22^2 - 22) \\
&:= 3 + ((3 \times (3+3) \times 333) + 33/3) \\
&:= 4 + (((4 \times 4 + 4) \times (44 + 4^4)) + 4) \\
&:= 5^5 + ((5/5 - ((5 - (5+5)/5)^5)) + 5^5) \\
&:= 6 + ((6666 - 666) + ((6+6)/6)) \\
&:= 77 + (77 \times 77 + ((7+7)/7)) \\
&:= 888 + 8 \times 8 \times (88 - 8) \\
&:= (9 - 9/9) \times (((99+99)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6013 &:= 1 + ((1+11) \times ((1+1)^{11-1-1} - 11)) \\
&:= 2/2 + (2/2 + 2) \times (2^{22/2} - 2 \times 22) \\
&:= 3/3 + ((3+3) \times (3 \times 333 + 3)) \\
&:= 4/4 + ((4 - 4/4) \times (4^4 \times (4+4) - 44)) \\
&:= 55 \times (55 + 55) - (((5+5)/5)^5 + 5) \\
&:= 6 + (((6666 - 666) + 6/6) + 6) \\
&:= 7 + (77 \times 77 + 77) \\
&:= 8 + ((8 \times (8 \times (88 + 8) - (8+8))) - (88/8)) \\
&:= 9/9 + (9 \times (9 \times (9 \times 9 - 9) + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6004 &:= 1 + ((1+1+1) \times (1 + ((1+1) \times (11-1)^{1+1+1}))) \\
&:= (22/2 + 2) \times (22^2 - 22) - 2 \\
&:= 3/3 + (3 \times ((3+3) \times 333 + 3)) \\
&:= 4 + ((4 \times 4 + 4) \times (44 + 4^4)) \\
&:= 5 + ((555/5 \times (55 - 5/5)) + 5) \\
&:= 6 + (6666 - (666 + (6+6)/6)) \\
&:= 77 + (77 \times 77 - ((7+7)/7)) \\
&:= 8 \times 888 + ((88 - 8888)/8) \\
&:= 9 + ((9 \times ((9 \times (9 \times 9 - 9) + 9) + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6009 &:= (1+1+1) \times (1 + ((1+1) \times (1 + (11-1)^{1+1+1}))) \\
&:= (2/2 + 2) \times ((2 \times 22 + 2/2)^2 - 22) \\
&:= ((3+3) \times (3 \times 333 + 3)) - 3 \\
&:= 4 + (((4 \times 4 + 4) \times (44 + 4^4)) + 4/4 + 4) \\
&:= ((5+5) \times ((5^5 + 5)/5 - 5 \times 5)) - 5/5 \\
&:= 6 + ((6 \times 6 / (6+6) + 6) \times (666 + 6/6)) \\
&:= 77 + (77 \times 77 + ((7+7+7)/7)) \\
&:= 8/8 + (8 \times 8 \times (88 - 8) + 888) \\
&:= 9 + ((9 - ((9+9+9)/9)) \times (999 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6014 &:= 1 + (1 + ((1+11) \times ((1+1)^{11-1-1} - 11))) \\
&:= 2 + (2/2 + 2) \times (2^{22/2} - 2 \times 22) \\
&:= 3 + (((3+3) \times (3 \times 333 + 3)) - 3/3) \\
&:= (4^4 - 4 - 4)/4 \times ((4 - 4/4)^4 + 4 \times 4) \\
&:= 5 + (((5+5) \times ((5^5 + 5)/5 - 5 \times 5)) - 5/5) \\
&:= 6 + (((6666 - 666) + ((6+6)/6)) + 6) \\
&:= 7 + ((77 \times 77 + 77) + 7/7) \\
&:= (8 \times 8 - ((8+8)/8)) \times ((8/8 + 88) + 8) \\
&:= 9 + ((9 \times ((9 \times (9 \times 9 - 9) + 9) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6005 &:= 11 + (111 \times ((111 - 1)/(1+1) - 1)) \\
&:= (22/2 + 2) \times (22^2 - 22) - 2/2 \\
&:= 33/3 + (3 \times (3+3) \times 333) \\
&:= 4 + (((4 \times 4 + 4) \times (44 + 4^4)) + 4/4) \\
&:= 5 + 5 \times (5+5) \times (5 \times 5 \times 5 - 5) \\
&:= 6 + (6666 - (666 + 6/6)) \\
&:= 77 + (77 \times 77 - 7/7) \\
&:= (8 \times (8 \times (88 + 8) - (8+8))) - 88/8 \\
&:= 99/9 + (9 \times ((9 \times (9 \times 9 - 9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6010 &:= ((1+11) \times ((1+1)^{11-1-1} - 11)) - 1 - 1 \\
&:= 2 + (22/2 + 2) \times (22^2 - 22) + 2 \\
&:= 3/3 + (((3+3) \times (3 \times 333 + 3)) - 3) \\
&:= (4/4 + 4) \times (4 \times (44 + 4^4) + (4+4)/4) \\
&:= (5+5) \times ((5^5 + 5)/5 - 5 \times 5) \\
&:= ((66 - 6)/6) + 6666 - 666 \\
&:= 77 + ((77 \times 77 - 7) + (77/7)) \\
&:= 888 + (8 \times 8 \times (88 - 8) + ((8+8)/8)) \\
&:= 99 + (9 \times (9 \times (9 \times 9 - 9) + 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6015 &:= ((1+1+1) \times (1 + (1+1)^{11})) - (11 \times (1+11)) \\
&:= ((22/2 + 2) + 2) \times ((22 - 2)^2 + 2/2) \\
&:= 3 + ((3+3) \times (3 \times 333 + 3)) \\
&:= (4 \times ((4+4) \times (444 - 4^4))) - 4/4 \\
&:= 5 + ((5+5) \times ((5^5 + 5)/5 - 5 \times 5)) \\
&:= 6 + (((6 \times 6 / (6+6) + 6) \times (666 + 6/6)) + 6) \\
&:= 7 + ((77 \times 77 + ((7+7)/7)) + 77) \\
&:= (8 \times (8 \times (88 + 8) - (8+8))) - 8/8 \\
&:= 999/9 + ((9 - 9/9) \times (9 \times 9 \times 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6006 &:= (1+1) \times ((1+1+1) \times (1 + (11-1)^{1+1+1})) \\
&:= (22/2 + 2) \times (22^2 - 22) \\
&:= 3 + (3 \times ((3+3) \times 333 + 3)) \\
&:= 4 + (((4 \times 4 + 4) \times (44 + 4^4)) + (4+4)/4) \\
&:= 5 + (5 \times (5+5) \times (5 \times 5 \times 5 - 5) + 5/5) \\
&:= 6 + 6666 - 666 \\
&:= 77 + 77 \times 77 \\
&:= 888 + (8 \times 8 \times (88 - 8) - ((8+8)/8)) \\
&:= 99/9 \times ((9999 - 9)/(9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6011 &:= ((1+11) \times ((1+1)^{11-1-1} - 11)) - 1 \\
&:= 2 + ((2/2 + 2) \times ((2 \times 22 + 2/2)^2 - 22)) \\
&:= ((3+3) \times (3 \times 333 + 3)) - 3/3 \\
&:= 44/4 + ((4 \times 4 + 4) \times (44 + 4^4)) \\
&:= 5^5 + (5 \times 555 + 555/5) \\
&:= 66/6 + 6666 - 666 \\
&:= 7 + ((77 \times 77 - ((7+7)/7)) + 77) \\
&:= 8 + ((8/8 - 88) \times ((88/8 - 88) + 8)) \\
&:= 99 + (9 \times (9 \times (9 \times 9 - 9) + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6016 &:= (1+1) \times (11 + (111 \times (1+1+1)^{1+1+1})) \\
&:= 2^{2+2} \times ((22 - 2)^2 - (22 + 2)) \\
&:= 3 + (((3+3) \times (3 \times 333 + 3)) + 3/3) \\
&:= 4 \times ((4+4) \times (444 - 4^4)) \\
&:= (5/5 + 5)^5 - (55 \times ((5+5)/5)^5) \\
&:= ((6+6)/6)^6 \times (((6+6)/6)^6 - 6) + 6 \times 6 \\
&:= ((7+7)/7)^7 \times 7 \times 7 - (7+7)/7 \\
&:= 8 \times (8 \times (88 + 8) - (8+8)) \\
&:= 9 \times 9 \times 9 \times 9 - ((99 + 99 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6007 &:= 1 + ((1+1) \times ((1+1+1) \times (1 + (11-1)^{1+1+1}))) \\
&:= 2/2 + (22/2 + 2) \times (22^2 - 22) \\
&:= 3 + ((3 \times ((3+3) \times 333 + 3)) + 3/3) \\
&:= 4 + (((4 \times 4 + 4) \times (44 + 4^4)) - 4/4 + 4) \\
&:= 5^5 + (5^5 - ((5 - (5+5)/5)^5)) \\
&:= 6 + ((6666 - 666) + 6/6) \\
&:= 7/7 + (77 \times 77 + 77) \\
&:= 888 + (8 \times 8 \times (88 - 8) - 8/8) \\
&:= 9 + (((9+9)/9) + 9 \times 9)^{(9+9)/9} - 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6012 &:= (1+11) \times ((1+1)^{11-1-1} - 11) \\
&:= (2/2 + 2) \times (2^{22/2} - 2 \times 22) \\
&:= (3+3) \times (3 \times 333 + 3) \\
&:= (4 - 4/4) \times (4^4 \times (4+4) - 44) \\
&:= 5 + ((5^5 - ((5 - (5+5)/5)^5)) + 5^5) \\
&:= 6 + ((6666 - 666) + 6) \\
&:= 7 + ((77 \times 77 - 7/7) + 77) \\
&:= ((88 + 8)/8) \times (8 \times 8 \times 8 - 88/8) \\
&:= 99 + 9 \times (9 \times (9 \times 9 - 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6017 &:= 11 \times (1 + (1 + ((1+1111)/(1+1) - 11))) \\
&:= 2^{22/2} + ((2^{2+2+2} - 2/2)^2) \\
&:= (33 \times (3+3)^3) - 3333/3 \\
&:= 4/4 + (4 \times ((4+4) \times (444 - 4^4))) \\
&:= 5 + (((5^5 - ((5 - (5+5)/5)^5)) + 5^5) + 5) \\
&:= 6 + ((6666 - 666) + (66/6)) \\
&:= 77 + (77 \times 77 + (77/7)) \\
&:= 8/8 + (8 \times (8 \times (88 + 8) - (8+8))) \\
&:= 99 \times (9 \times 9 - 9) - 9999/9
\end{aligned}$$

- ▶ 6018 := $1 + (11 \times (1 + (1 + (((1 + 1111)/(1 + 1)) - 11))))$
:= $2 + (2^{2+2} \times ((22 - 2)^2 - (22 + 2)))$
:= $(3 + 3) \times (((3 \times 3 + 3/3)^3) + 3)$
:= $(4 + 4)/4 + (4 \times ((4 + 4) \times (444 - 4^4)))$
:= $(5 + 5)/5 \times (5^5 - (555/5 + 5))$
:= $6666 - (6 \times 6 \times (6 + 6 + 6))$
:= $77 + (77 \times 77 + (77 + 7)/7)$
:= $(8 + 8)/8 + (8 \times (8 \times (88 + 8) - (8 + 8)))$
:= $99 \times (9 \times 9 - 9) + ((9 - 9999)/9)$
- ▶ 6019 := $((1 + 1 + 1) \times ((1 + 1)^{11} - 1)) - (1 + 11^{1+1})$
:= $((2/2 + 2)^{2+2} - 2^2) - 222$
:= $3/3 + ((3 + 3) \times (((3 \times 3 + 3/3)^3) + 3))$
:= $4 + ((4 \times ((4 + 4) \times (444 - 4^4))) - 4/4)$
:= $5 \times 5 + (555/5 \times (55 - 5/5))$
:= $6/6 + (6666 - (6 \times 6 \times (6 + 6 + 6)))$
:= $7 + (((77 \times 77 - 7/7) + 77) + 7)$
:= $888 + (8 \times 8 \times (88 - 8) + (88/8))$
:= $99 + ((9 - 9/9) \times (9 \times 9 \times 9 + (99/9)))$
- ▶ 6020 := $((1 + 1 + 1) \times ((1 + 1)^{11} - 1)) - 11^{1+1}$
:= $2 \times (((2 \times (22^2 - 2)) - 2) + 2^{22/2})$
:= $(3^3 + 3/3) \times ((3 + 3)^3 - 3/3)$
:= $4 + (4 \times ((4 + 4) \times (444 - 4^4)))$
:= $5^5 + ((5 \times (555 + 5 \times 5)) - 5)$
:= $((66 - 6)/6) \times (666 - ((6 + 6)/6)^6)$
:= $7 + ((77 \times 77 + 77) + 7)$
:= $8 + (((88 + 8)/8) \times (8 \times 8 \times 8 - 88/8))$
:= $(9/9 + 9) \times (((9 + 9)/9)^9 + 9 \times 9 + 9)$
- ▶ 6021 := $(1 + 1 + 1)^{1+1+1} \times (1 + (1 + 1) \times 111)$
:= $2 + (((2/2 + 2)^{2+2} - 2^2) - 222)$
:= $3 \times ((3 + 3) \times 333 + 3 \times 3)$
:= $(4 + 4)^4 + (44 \times 44 - 44/4)$
:= $5 + ((5/5 + 5)^5 - (55 \times ((5 + 5)/5)^5))$
:= $6 \times 6 + ((6 \times 6/(6 + 6) + 6) \times (666 - 6/6))$
:= $7 + (((77 \times 77 + 77) + 7/7) + 7)$
:= $8 + (((8 \times (8 \times (88 + 8) - (8 + 8))) - (88/8)) + 8)$
:= $9 + (9 \times (9 \times (9 \times 9 - 9) + 9) + 99)$
- ▶ 6022 := $((1 + 1 + 1) \times (1 + 1)^{11}) - (1 + 11^{1+1})$
:= $22 + (22 - 2)^2 \times (22/2 + 2 + 2)$
:= $3^3 + ((3 \times (3 + 3) \times 333) + 3/3)$
:= $(4 + 4)^4 + ((4 - 44)/4 + 44 \times 44)$
:= $(5 + 5)/5 \times ((55/5 - 5 \times 5 \times 5) + 5^5)$
:= $6 + (((6 + 6)/6)^6 \times (((6 + 6)/6)^6 - 6) + 6 \times 6)$
:= $((7 + 7 + 7)/7)^{7+7/7} - 7 \times 77$
:= $8 + ((8 \times 8 - ((8 + 8)/8)) \times ((8/8 + 88) + 8))$
:= $9 + ((9 \times (9 \times (9 \times 9 - 9) + 9) + 99) + 9/9)$
- ▶ 6023 := $((1 + 1 + 1) \times (1 + 1)^{11}) - 11^{1+1}$
:= $(2/2 + 2) \times 2^{22/2} - (22/2)^2$
:= $3 + ((3^3 + 3/3) \times ((3 + 3)^3 - 3/3))$
:= $(4 + 4)^4 + 44 \times 44 - (4/4 + 4 + 4)$
:= $((5 + 5)/5 \times (5^5 - 555/5)) - 5$
:= $6 + (((6666 - 666) + (66/6)) + 6)$
:= $7 + (((7 + 7)/7)^7 \times 7 \times 7 - ((7 + 7)/7))$
:= $8 + ((8 \times (8 \times (88 + 8) - (8 + 8))) - 8/8)$
:= $99 + (9 \times (9 \times (9 \times 9 - 9) + 9) + (99/9))$
- ▶ 6024 := $1 + (((1 + 1 + 1) \times (1 + 1)^{11}) - 11^{1+1})$
:= $2 \times ((2 \times (22^2 - 2)) + 2^{22/2})$
:= $3 + ((3 \times (3 + 3) \times 333) + 3^3)$
:= $(4 + 4)^4 + (44 \times 44 - (4 + 4))$
:= $5^5 + ((5 \times (555 + 5 \times 5)) - 5/5)$
:= $6 + (6666 - (6 \times 6 \times (6 + 6 + 6)))$
:= $7 + ((77 \times 77 + (77/7)) + 77)$
:= $8 + (8 \times (8 \times (88 + 8) - (8 + 8)))$
:= $999/9 + 9 \times (9 \times (9 \times 9 - 9) + 9)$
- ▶ 6025 := $1 + (1 + (((1 + 1 + 1) \times (1 + 1)^{11}) - 11^{1+1}))$
:= $((22 + 2/2) + 2) \times (22^2 - 2)/2$
:= $3 + (((3 \times (3 + 3) \times 333) + 3^3) + 3/3)$
:= $4 + ((44 \times 44 - 44/4) + (4 + 4)^4)$
:= $5 \times ((5 + 5) \times (5 \times 5 \times 5 - 5) + 5)$
:= $6 + ((6666 - (6 \times 6 \times (6 + 6 + 6))) + 6/6)$
:= $7 \times (7 + 7) + (77 \times 77 - ((7 + 7)/7))$
:= $8 + ((8 \times (8 \times (88 + 8) - (8 + 8))) + 8/8)$
:= $((999 + 9)/9) + 9 \times (9 \times (9 \times 9 - 9) + 9)$
- ▶ 6026 := $((1 + 1 + 1) \times (1 + (1 + 1)^{11})) - 11^{1+1}$
:= $(22 + 2/2) \times (22^2 - 222)$
:= $33 + ((3 \times (3 + 3) \times 333) - 3/3)$
:= $(4 + 4)^4 + (44 \times 44 - ((4 + 4)/4 + 4))$
:= $5^5 + ((5 \times (555 + 5 \times 5)) + 5/5)$
:= $6 + (((66 - 6)/6) \times (666 - ((6 + 6)/6)^6))$
:= $7 \times (7 + 7) + (77 \times 77 - 7/7)$
:= $8 + ((8 \times (8 \times (88 + 8) - (8 + 8))) + ((8 + 8)/8))$
:= $9 + (99 \times (9 \times 9 - 9) - 9999/9)$
- ▶ 6027 := $((1 + 1 + 1) \times ((1 + 1)^{11} - (1 + 1))) - 111$
:= $(2/2 - 22) \times ((2 - ((22 + 2)^2))/2)$
:= $33 + (3 \times (3 + 3) \times 333)$
:= $(4 + 4)^4 + (44 \times 44 - (4/4 + 4))$
:= $5^5 + ((5 \times (555 + 5 \times 5)) + ((5 + 5)/5))$
:= $(6 \times 6 - 6/6 + 6) \times (666/6 + 6 \times 6)$
:= $7 \times (777 + 77 + 7)$
:= $88/8 + (8 \times (8 \times (88 + 8) - (8 + 8)))$
:= $((99 + 9)/9 \times (((9 + 9)/9)^9 - 9)) - 9$
- ▶ 6028 := $(1 + 1) \times (((111 - 1)/(1 + 1))^{1+1} - 11)$
:= $2 \times ((2 \times 22^2 - 2) + 2^{22/2})$
:= $3/3 + ((3 \times (3 + 3) \times 333) + 33)$
:= $(4 + 4)^4 + (44 \times 44 - 4)$
:= $(5 + 5)/5 \times (5^5 - 555/5)$
:= $66/6 \times (666 - ((666 + 6)/6 + 6))$
:= $7/7 + (77 \times 77 + 7 \times (7 + 7))$
:= $88/8 \times (88 \times 88/(8 + 8) + 8 \times 8)$
:= $99/9 \times (((9 + 9)/9)^9 + 9 + 9) + 9 + 9$
- ▶ 6029 := $((1 + 1 + 1) \times ((1 + 1)^{11} - 1)) - (1 + 111)$
:= $2 + ((2/2 - 22) \times ((2 - ((22 + 2)^2))/2))$
:= $33 \times (3 + 3) + ((3 \times (3 + 3))^3 - 3/3)$
:= $4/4 + ((44 \times 44 - 4) + (4 + 4)^4)$
:= $5 + (((5 \times (555 + 5 \times 5)) - 5/5) + 5^5)$
:= $6 \times 6 + (6666 - (666 + 6/6 + 6))$
:= $(7 + 7)/7 + (77 \times 77 + 7 \times (7 + 7))$
:= $((88 + 8) \times (8 \times 8 - 8/8)) - (88/8 + 8)$
:= $9 + ((9/9 + 9) \times (((9 + 9)/9)^9 + 9 \times 9) + 9)$
- ▶ 6030 := $((1 + 1 + 1) \times ((1 + 1)^{11} - 1)) - 111$
:= $222 + (2 \times (22^2 \times (2 + 2 + 2)))$
:= $(3 + 3) \times ((3 \times 333 + 3) + 3)$
:= $(4 + 4)^4 + (44 \times 44 - (4 + 4)/4)$
:= $5 + ((5 \times (555 + 5 \times 5)) + 5^5)$
:= $6 \times ((6 \times 666/(6 - ((6 + 6)/6))) + 6)$
:= $77 \times 77 + (7777/77)$
:= $((8 + 8)/8 + 88) \times ((88/8 - 8) + 8 \times 8)$
:= $99 + (9 \times 9 \times (9 \times 9 - 9) + 99)$
- ▶ 6031 := $1 + (((1 + 1 + 1) \times ((1 + 1)^{11} - 1)) - 111)$
:= $(2 \times 22)^2 + (2^{2 \times (2+2+2)} - 2/2)$
:= $3/3 + (33 \times (3 + 3) + (3 \times (3 + 3))^3)$
:= $(4 + 4)^4 + (44 \times 44 - 4/4)$
:= $5 + (((5 \times (555 + 5 \times 5)) + 5^5) + 5/5)$
:= $((6 + 6) \times (6 + 6) \times (6 \times 6 + 6)) - (66/6 + 6)$
:= $7 + (((77 \times 77 + (77/7)) + 77) + 7)$
:= $8 + (((8 \times (8 \times (88 + 8) - (8 + 8))) - 8/8) + 8)$
:= $9 \times 9 \times 9 \times 9 - (((9 + 9)/9)^9 + 9) + 9$
- ▶ 6032 := $((1 + 1 + 1) \times (1 + 1)^{11}) - (1 + 111)$
:= $2 \times (2 \times 22^2 + 2^{22/2})$
:= $(3^3 - 3/3) \times ((3^{3+3} - 33)/3)$
:= $(4 + 4)^4 + 44 \times 44$
:= $5 \times 5 + ((5^5 - ((5 - (5 + 5)/5)^5)) + 5^5)$
:= $((6 + 6)/6)^6 - 6 \times (((666 - 6)/6) - 6)$
:= $77 \times 77 + ((777 - 7)/7 - 7)$
:= $8 + ((8 \times (8 \times (88 + 8) - (8 + 8))) + 8)$
:= $9 + ((9 \times (9 \times (9 \times 9 - 9) + 9) + 99/9)) + 99$

$$\begin{aligned}
\blacktriangleright 6033 &:= ((1+1+1) \times (1+1)^{11}) - 111 \\
&:= 2/2 + (2^{2 \times (2+2+2)} + (2 \times 22)^2) \\
&:= 3 + (33 \times (3+3) + (3 \times (3+3))^3) \\
&:= 4/4 + (44 \times 44 + (4+4)^4) \\
&:= 5 + ((5+5)/5 \times (5^5 - 555/5)) \\
&:= 6 + ((6 \times 6 - 6/6 + 6) \times (666/6 + 6 \times 6)) \\
&:= 777/7 + (77 \times 77 - 7) \\
&:= 8 \times 8 \times (88 + 8) - 888/8 \\
&:= 9 + (9 \times (9 \times (9 \times 9 - 9) + 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6034 &:= 1 + (((1+1+1) \times (1+1)^{11}) - 111) \\
&:= 2 + (2^{2 \times (2+2+2)} + (2 \times 22)^2) \\
&:= 3 + ((33 \times (3+3) + (3 \times (3+3))^3) + 3/3) \\
&:= (4+4)^4 + (44 \times 44 + (4+4)/4) \\
&:= 55 \times (55 + 55) - (55/5 + 5) \\
&:= (6/6 + 6) \times ((6 \times (6+6) \times (6+6)) - ((6+6)/6)) \\
&:= 7 + (77 \times 77 + 7 \times (7+7)) \\
&:= ((8 - 888)/8) + 8 \times 8 \times (88 + 8) \\
&:= 9 + (9 \times (9 \times (9 \times 9 - 9) + 9) + ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6035 &:= 1 + (1 + (((1+1+1) \times (1+1)^{11}) - 111)) \\
&:= 2 + ((2^{2 \times (2+2+2)} + (2 \times 22)^2) + 2/2) \\
&:= (33 \times ((3+3)^3 - 33)) - (3/3 + 3) \\
&:= 4 + ((44 \times 44 - 4/4) + (4+4)^4) \\
&:= 55 \times (55 + 55) - (5 + 5 + 5) \\
&:= 6 \times 6 + (6666 - (666 + 6/6)) \\
&:= ((7/7 + 77)^{(7+7)/7}) - 7 \times 7 \\
&:= 8 + ((8 \times (8 \times (88 + 8) - (8 + 8))) + (88/8)) \\
&:= ((99 + 9)/9 \times (((9 + 9)/9)^9 - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6036 &:= ((1+1+1) \times (1 + (1+1)^{11})) - 111 \\
&:= 2 \times ((2 \times 22^2 + 2^{22/2}) + 2) \\
&:= (33 \times ((3+3)^3 - 33)) - 3 \\
&:= 4 + (44 \times 44 + (4+4)^4) \\
&:= 5^5 + (((55 - 5/5)^{(5+5)/5}) - 5) \\
&:= 6 \times 6 + 6666 - 666 \\
&:= 7 + ((77 \times 77 + 7 \times (7+7)) + ((7+7)/7)) \\
&:= ((88 + 8)/8) \times (8 \times 8 \times 8 - (8/8 + 8)) \\
&:= (99 + 9)/9 \times (((9 + 9)/9)^9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6037 &:= 1 + (((1+1+1) \times (1 + (1+1)^{11})) - 111) \\
&:= 2/2 + ((2 \times (2^{22/2} + 2)) + (2 \times 22)^2) \\
&:= 3/3 + ((33 \times ((3+3)^3 - 33)) - 3) \\
&:= 4 + ((44 \times 44 + (4+4)^4) + 4/4) \\
&:= 5^5 + (((5 - 5^5)/(5 + 5 + 5)) - 5) + 5^5 \\
&:= ((6+6) \times (6+6) \times (6 \times 6 + 6)) - 66/6 \\
&:= 7 + ((7777/77) + 77 \times 77) \\
&:= ((88 + 8) \times (8 \times 8 - 8/8)) - 88/8 \\
&:= 9/9 + ((99 + 9)/9 \times (((9 + 9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6038 &:= (((111 - 1)^{1+1})/(1+1)) - 1 - 11 \\
&:= 2 + ((2 \times (2^{22/2} + 2)) + (2 \times 22)^2) \\
&:= (33 \times ((3+3)^3 - 33)) - 3/3 \\
&:= 4 + ((44 \times 44 + (4+4)^4) + (4+4)/4) \\
&:= (5+5)/5 \times ((5^5 - 555/5) + 5) \\
&:= (6 - 66)/6 + ((6+6) \times (6+6) \times (6 \times 6 + 6)) \\
&:= 77/7 + (77 \times 77 + 7 \times (7+7)) \\
&:= (8 - 88)/8 + ((88 + 8) \times (8 \times 8 - 8/8)) \\
&:= 99 \times (9 \times 9 - 99/9 - 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6039 &:= (((111 - 1)^{1+1})/(1+1)) - 11 \\
&:= 22/2 \times (((22 + 2/2)^2 - 2) + 22) \\
&:= 33 \times ((3+3)^3 - 33) \\
&:= 4 + (((44 \times 44 - 4/4) + (4+4)^4) + 4) \\
&:= 55/5 \times (555 - (5/5 + 5)) \\
&:= 66/6 \times (666 - (666/6 + 6)) \\
&:= 77 \times 77 + (777 - 7)/7 \\
&:= 8888/8 + 88 \times (8 \times 8 - 8) \\
&:= 99 \times (9 \times 9 - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6040 &:= 1 + (((111 - 1)^{1+1})/(1+1)) - 11 \\
&:= 2 \times ((2 \times (22^2 + 2)) + 2^{22/2}) \\
&:= 3/3 + (33 \times ((3+3)^3 - 33)) \\
&:= 4 + ((44 \times 44 + (4+4)^4) + 4) \\
&:= (5+5) \times ((55 \times 55 - 5)/5) \\
&:= (((6+6)/6)^{6+6}) + 6 \times 6 \times (66 - 6 - 6) \\
&:= 777/7 + 77 \times 77 \\
&:= ((88 + 8) \times (8 \times 8 - 8/8)) - 8 \\
&:= 9 \times 9 \times 9 \times 9 - (((9 + 9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6041 &:= 1 + (1 + (((111 - 1)^{1+1})/(1+1)) - 11) \\
&:= 222 + (22/2 \times ((22 + 2/2)^2)) \\
&:= 3 + ((33 \times ((3+3)^3 - 33)) - 3/3) \\
&:= 4 + (((44 \times 44 + (4+4)^4) + 4/4) + 4) \\
&:= 5^5 + ((55 - 5/5)^{(5+5)/5}) \\
&:= (6/6 + 6) \times ((6 \times (6+6) \times (6+6)) - 6/6) \\
&:= 7 + ((77 \times 77 + 7 \times (7+7)) + 7) \\
&:= (88/8 - 8)^8 - (8 \times 8 \times 8 + 8) \\
&:= 9/9 + (9 \times 9 \times 9 \times 9 - (((9 + 9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6042 &:= 1 + (1 + (1 + (((111 - 1)^{1+1})/(1+1)) - 11)) \\
&:= 2 \times ((22/2 + 2 \times 22)^2 - (2 + 2)) \\
&:= 3 + (33 \times ((3+3)^3 - 33)) \\
&:= ((4+4)/4 + 4) \times (4 \times (4^4 - 4) - 4/4) \\
&:= 5^5 + (((5 - 5^5)/(5 + 5 + 5)) + 5^5) \\
&:= ((6+6) \times (6+6) \times (6 \times 6 + 6)) - 6 \\
&:= 7 + (((7/7 + 77)^{(7+7)/7}) - 7 \times 7) \\
&:= 8 + (((8 - 888)/8) + 8 \times 8 \times (88 + 8)) \\
&:= 99 + (9 \times 9 \times (9 \times 9 - 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6043 &:= (((111 - 1)^{1+1}) - (1 + 11))/(1+1) - 1 \\
&:= 2 + ((22/2 \times ((22 + 2/2)^2)) + 222) \\
&:= 3 + ((33 \times ((3+3)^3 - 33)) + 3/3) \\
&:= 44/4 + (44 \times 44 + (4+4)^4) \\
&:= 55 \times (55 + 55) - ((5+5)/5 + 5) \\
&:= 6/6 + (((6+6) \times (6+6) \times (6 \times 6 + 6)) - 6) \\
&:= 77 \times 77 + (((7+7)/7)^7 - (7+7)) \\
&:= 8 \times 8 \times (88 + 8) - (8888/88) \\
&:= 99 + (9 \times 9 \times (9 \times 9 - 9) + ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6044 &:= (((111 - 1)^{1+1}) - (1 + 11))/(1+1) \\
&:= 2 \times ((2 \times (22 - 2))^2 + 2222) \\
&:= (3+3)^3 + ((3 \times (3+3))^3 - (3/3 + 3)) \\
&:= ((4^4 - 4) \times ((4 \times 4 + 4) + 4)) - 4 \\
&:= 55 \times (55 + 55) - (5/5 + 5) \\
&:= 6 \times 666 + (((6+6)/6)^{66/6}) \\
&:= 77 + ((77 \times 77 - (77/7)) + 7 \times 7) \\
&:= 8 + (((88 + 8)/8) \times (8 \times 8 \times 8 - (8/8 + 8))) \\
&:= 9 + (((99 + 9)/9 \times (((9 + 9)/9)^9 - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6045 &:= (1 + (((111 - 1)^{1+1}) - 11))/(1+1) \\
&:= (2 \times ((22/2 + 2 \times 22)^2 - 2)) - 2/2 \\
&:= (3+3)^3 + ((3 \times (3+3))^3 - 3) \\
&:= 4/4 + (((4^4 - 4) \times ((4 \times 4 + 4) + 4)) - 4) \\
&:= 55 \times (55 + 55) - 5 \\
&:= (6/6 - 66) \times (((6 - 666/6) + 6) + 6) \\
&:= 7 + ((77 \times 77 + 7 \times (7+7)) + (77/7)) \\
&:= 8 \times 8 \times (88 + 8) - (88/8 + 88) \\
&:= 9 + ((99 + 9)/9 \times (((9 + 9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6046 &:= 1 + ((1 + (((111 - 1)^{1+1}) - 11))/(1+1)) \\
&:= 2 \times ((22/2 + 2 \times 22)^2 - 2) \\
&:= 3/3 + (((3 \times (3+3))^3 - 3) + (3+3)^3) \\
&:= ((4^4 - 4) \times ((4 \times 4 + 4) + 4)) - (4+4)/4 \\
&:= 5/5 + (55 \times (55 + 55) - 5) \\
&:= ((6+6) \times (6+6) \times (6 \times 6 + 6)) - (6+6)/6 \\
&:= 7 + ((777 - 7)/7 + 77 \times 77) \\
&:= ((88 + 8) \times (8 \times 8 - 8/8)) - (8 + 8)/8 \\
&:= 9 + (((99 + 9)/9 \times (((9 + 9)/9)^9 - 9)) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6047 &:= (((111 - 1)^{1+1})/(1+1)) - 1 - 1 - 1 \\
&:= 2/2 + (2 \times ((22/2 + 2 \times 22)^2 - 2)) \\
&:= (3+3)^3 + ((3 \times (3+3))^3 - 3/3) \\
&:= ((4^4 - 4) \times ((4 \times 4 + 4) + 4)) - 4/4 \\
&:= (5+5)/5 + (55 \times (55 + 55) - 5) \\
&:= ((6+6) \times (6+6) \times (6 \times 6 + 6)) - 6/6 \\
&:= 7 + (777/7 + 77 \times 77) \\
&:= ((88 + 8) \times (8 \times 8 - 8/8)) - 8/8 \\
&:= 9 + (99 \times (9 \times 9 - 99/9 - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6048 &:= (((111-1)^{1+1})/(1+1)) - 1 - 1 \\
&:= 2^{2+2} \times ((22-2)^2 - 22) \\
&:= 3 \times (3+3) \times (333+3) \\
&:= (4^4-4) \times ((4 \times 4+4)+4) \\
&:= (5+5)/5 \times (55 \times 55 - 5/5) \\
&:= (6+6) \times (6+6) \times (6 \times 6+6) \\
&:= (77+7 \times 7) \times (7 \times 7 - 7/7) \\
&:= (88+8) \times (8 \times 8 - 8/8) \\
&:= 9+99 \times (9 \times 9 - 99/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6049 &:= (((111-1)^{1+1})/(1+1)) - 1 \\
&:= 2 \times (22/2 + 2 \times 22)^2 - 2/2 \\
&:= 3/3 + ((3 \times (3+3))^3 + (3+3)^3) \\
&:= 4/4 + ((4^4-4) \times ((4 \times 4+4)+4)) \\
&:= 55 \times (55+55) - 5/5 \\
&:= 6/6 + ((6+6) \times (6+6) \times (6 \times 6+6)) \\
&:= 7/7 + ((77+7 \times 7) \times (7 \times 7 - 7/7)) \\
&:= (88/8-8)^8 - 8 \times 8 \times 8 \\
&:= 9 \times 9 \times 9 \times 9 - ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6050 &:= ((111-1)^{1+1})/(1+1) \\
&:= 2 \times (22/2 + 2 \times 22)^2 \\
&:= 3 + (((3 \times (3+3))^3 - 3/3) + (3+3)^3) \\
&:= (4+4)/4 + (((4^4-4) \times ((4 \times 4+4)+4)) \\
&:= 55 \times (55+55) \\
&:= (6+6)/6 + ((6+6) \times (6+6) \times (6 \times 6+6)) \\
&:= 77/7 \times (7 \times 77 + (77/7)) \\
&:= 8/8 + ((88/8-8)^8 - 8 \times 8 \times 8) \\
&:= 9/9 + (9 \times 9 \times 9 \times 9 - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6051 &:= 1 + (((111-1)^{1+1})/(1+1)) \\
&:= 2/2 + 2 \times (22/2 + 2 \times 22)^2 \\
&:= 3 + ((3 \times (3+3))^3 + (3+3)^3) \\
&:= 4 + (((4^4-4) \times ((4 \times 4+4)+4)) - 4/4) \\
&:= 5/5 + 55 \times (55+55) \\
&:= (6 \times 6/(6+6)) + ((6+6) \times (6+6) \times (6 \times 6+6)) \\
&:= 77 \times 77 + (777+77)/7 \\
&:= 88/8 + (((88+8) \times (8 \times 8 - 8/8)) - 8) \\
&:= (9+9)/9 + (9 \times 9 \times 9 \times 9 - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6052 &:= 1 + (1 + (((111-1)^{1+1})/(1+1))) \\
&:= 2 + 2 \times (22/2 + 2 \times 22)^2 \\
&:= 3 + (((3 \times (3+3))^3 + (3+3)^3) + 3/3) \\
&:= 4 + ((4^4-4) \times ((4 \times 4+4)+4)) \\
&:= (5+5)/5 + 55 \times (55+55) \\
&:= 6 + (((6+6) \times (6+6) \times (6 \times 6+6)) - ((6+6)/6)) \\
&:= 77 \times 77 + ((777+77+7)/7) \\
&:= (8/8+88) \times (8 \times 8/(8+8) + 8 \times 8) \\
&:= 9 \times (9 \times 99 + 9) - (((9+9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6053 &:= 1 + (1 + (1 + (((111-1)^{1+1})/(1+1)))) \\
&:= 2 + (2 \times (22/2 + 2 \times 22)^2 + 2/2) \\
&:= 3^{3+3} + ((3/3+3) \times (33/3)^3) \\
&:= 4 + (((4^4-4) \times ((4 \times 4+4)+4)) + 4/4) \\
&:= 5 + ((5+5)/5 \times (55 \times 55 - 5/5)) \\
&:= 6 + (((6+6) \times (6+6) \times (6 \times 6+6)) - 6/6) \\
&:= 7 + (((777-7)/7 + 77 \times 77) + 7) \\
&:= 8 + (8 \times 8 \times (88+8) - (88/8+88)) \\
&:= 9 \times 9 \times 9 \times 9 + (((9-9 \times 999)/(9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6054 &:= 1 + (1 + (1 + (1 + (((111-1)^{1+1})/(1+1)))))) \\
&:= 2 \times ((22/2 + 2 \times 22)^2 + 2) \\
&:= 3 + (((3 \times (3+3))^3 + (3+3)^3) + 3) \\
&:= ((4+4)/4+4) \times (4 \times (4^4-4) + 4/4) \\
&:= 5 + (55 \times (55+55) - 5/5) \\
&:= 6 + ((6+6) \times (6+6) \times (6 \times 6+6)) \\
&:= 7 + ((777/7 + 77 \times 77) + 7) \\
&:= 8 \times 8 \times (88+8) - ((8+8)/8+88) \\
&:= 9 + (((99+9)/9 \times (((9+9)/9)^9 - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6055 &:= (11 + (((111-1)^{1+1}) - 1))/(1+1) \\
&:= 2/2 + (2 \times ((22/2 + 2 \times 22)^2 + 2)) \\
&:= 3 + (((3 \times (3+3))^3 + (3+3)^3) + 3/3 + 3) \\
&:= 4 + (((4^4-4) \times ((4 \times 4+4)+4)) - 4/4) + 4 \\
&:= 5 + 55 \times (55+55) \\
&:= 6 + (((6+6) \times (6+6) \times (6 \times 6+6)) + 6/6) \\
&:= 77 + (77 \times 77 + 7 \times 7) \\
&:= 8 \times 8 \times (88+8) - (8/8+88) \\
&:= (9 \times (((9+9)/9)^9 + 9 \times (9+9))) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6056 &:= (1 + (11 + (((111-1)^{1+1}))/1 + 1)) \\
&:= 2 + (2 \times ((22/2 + 2 \times 22)^2 + 2)) \\
&:= (3 \times ((3+3) \times (333+3) + 3)) - 3/3 \\
&:= 4 + (((4^4-4) \times ((4 \times 4+4)+4)) + 4) \\
&:= 5 + (55 \times (55+55) + 5/5) \\
&:= 6 + (((6+6) \times (6+6) \times (6 \times 6+6)) + ((6+6)/6)) \\
&:= 7/7 + ((77 \times 77 + 77) + 7 \times 7) \\
&:= 8 \times 8 \times (88+8) - 88 \\
&:= (9-9/9) \times (((9 \times 9 \times 9 + 9/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6057 &:= 1 + (1 + (11 + (((111-1)^{1+1}))/1 + 1)) \\
&:= 2 + ((2 \times ((22/2 + 2 \times 22)^2 + 2)) + 2/2) \\
&:= 3 \times ((3+3) \times (333+3) + 3) \\
&:= 4 + (((4^4-4) \times ((4 \times 4+4)+4)) + 4/4) + 4 \\
&:= 5 + (55 \times (55+55) + ((5+5)/5)) \\
&:= (6 \times 6/(6+6) + 6) \times (666+6/6+6) \\
&:= 77 \times 77 + ((7+7)/7)^7 \\
&:= 8 + ((88/8-8)^8 - 8 \times 8 \times 8) \\
&:= (9 \times (((9+9)/9)^9 + 9 \times (9+9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6058 &:= 1 + (1 + (1 + (11 + (((111-1)^{1+1}))/1 + 1))) \\
&:= 2 \times (((22/2 + 2 \times 22)^2 + 2) + 2) \\
&:= 3/3 + (3 \times ((3+3) \times (333+3) + 3)) \\
&:= 4 + (((4+4)/4+4) \times (4 \times (4^4-4) + 4/4)) \\
&:= (5+5)/5 \times ((55 \times 55 - 5/5) + 5) \\
&:= ((66-6)/6) + ((6+6) \times (6+6) \times (6 \times 6+6)) \\
&:= 7/7 + (77 \times 77 + ((7+7)/7)^7) \\
&:= (8+8)/8 + (8 \times 8 \times (88+8) - 88) \\
&:= 9 + (9 \times 9 \times 9 \times 9 - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6059 &:= 11 + (((111-1)^{1+1})/(1+1)) - (1+1) \\
&:= (22/2 \times (((22+2/2)^2) + 22)) - 2 \\
&:= (3+3)^3 + ((3 \times (3+3))^3 + 33/3) \\
&:= 44/4 + ((4^4-4) \times ((4 \times 4+4)+4)) \\
&:= 5 + ((55 \times (55+55) - 5/5) + 5) \\
&:= 66/6 + ((6+6) \times (6+6) \times (6 \times 6+6)) \\
&:= (7+7)/7 + (77 \times 77 + ((7+7)/7)^7) \\
&:= 88/8 + ((88+8) \times (8 \times 8 - 8/8)) \\
&:= ((9/9-9) + 9 \times 9) \times (((9+9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6060 &:= 11 + (((111-1)^{1+1})/(1+1)) - 1 \\
&:= (2+2+2) \times ((2 \times (22^2 + 22)) - 2) \\
&:= 3 + (3 \times ((3+3) \times (333+3) + 3)) \\
&:= (4-4/4) \times ((4+4) \times (4^4-4) + 4) \\
&:= 5 + (55 \times (55+55) + 5) \\
&:= 6 + (((6+6) \times (6+6) \times (6 \times 6+6)) + 6) \\
&:= (77/7 + 7 \times 7) \times (7777/77) \\
&:= ((88+8)/8) \times ((8 \times 8 \times 8 - 8) + 8/8) \\
&:= 99/9 + (9 \times 9 \times 9 \times 9 - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6061 &:= 11 + (((111-1)^{1+1})/(1+1)) \\
&:= 22/2 \times (((22+2/2)^2) + 22) \\
&:= 3 + ((3 \times ((3+3) \times (333+3) + 3)) + 3/3) \\
&:= 4/4 + ((4-4/4) \times ((4+4) \times (4^4-4) + 4)) \\
&:= 55/5 + 55 \times (55+55) \\
&:= 6 + (((6+6) \times (6+6) \times (6 \times 6+6)) + 6/6) + 6) \\
&:= 77/7 \times ((77+7)/7 + 7 \times 77) \\
&:= (8 \times (8 \times (88+8) - 8)) - (88/8+8) \\
&:= 99/9 \times ((9999-9 \times 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6062 &:= 1 + (11 + (((111-1)^{1+1})/(1+1))) \\
&:= (2 \times 2 \times (22-2) - 2)^2 - 22 \\
&:= 3 + (((3 \times (3+3))^3 + (3+3)^3) + 33/3) \\
&:= ((44-4)/4+4) \times (444-44/4) \\
&:= (5+5)/5 \times ((55 \times 55 + 5/5) + 5) \\
&:= (6/6+6) \times ((6 \times (6+6) \times (6+6)) + ((6+6)/6)) \\
&:= 7 + ((77 \times 77 + 77) + 7 \times 7) \\
&:= 8 + (8 \times 8 \times (88+8) - ((8+8)/8+88)) \\
&:= 9 \times 9 \times 9 \times 9 + ((9-9 \times 999)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6063 &:= 1 + (1 + (11 + (((111 - 1)^{1+1}) / (1 + 1)))) \\
&:= 2 + (22/2 \times (((22 + 2/2)^2) + 22)) \\
&:= 3 \times ((3 - 3/3)^{33/3} - 3^3) \\
&:= (4^4 \times ((4 \times 4 + 4) + 4)) - (4 - 4/4)^4 \\
&:= 5 + ((5 + 5)/5 \times ((55 \times 55 - 5/5) + 5)) \\
&:= 6 + ((6 \times 6 / (6 + 6) + 6) \times (666 + 6/6 + 6)) \\
&:= (7 \times 7 \times (77 + 7 \times 7)) - 777/7 \\
&:= 8 + (8 \times 8 \times (88 + 8) - (8/8 + 88)) \\
&:= ((99 + 9)/9 \times ((9 + 9)/9)^9) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6064 &:= 1 + (1 + (1 + (11 + (((111 - 1)^{1+1}) / (1 + 1)))))) \\
&:= 2 + ((2 \times 2 \times (22 - 2) - 2)^2 - 22) \\
&:= (3 \times (3 + 3))^3 + ((3^{3+3} - 33)/3) \\
&:= 4 \times (4 \times 444 - (4^4 + 4)) \\
&:= (5 \times (5 \times ((5 - (5 + 5)/5)^5))) - 55/5 \\
&:= ((6 + 6)/6)^6 + 6666 - 666 \\
&:= 7 + (77 \times 77 + ((7 + 7)/7)^7) \\
&:= 8 + (8 \times 8 \times (88 + 8) - 88) \\
&:= (9 - 9/9) \times (((9 \times 9 \times 9 + (99/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6065 &:= ((1 + 1 + 1) \times (11 + (1 + 1)^{11})) - (1 + 111) \\
&:= 2 + (22/2 \times (((22 + 2/2)^2) + 22) + 2) \\
&:= ((3 + 3) \times (3 \times (333 + 3) + 3)) - 3/3 \\
&:= 4/4 + (4 \times (4 \times 444 - (4^4 + 4))) \\
&:= 5 + ((55 \times (55 + 55) + 5) + 5) \\
&:= 6 + (((6 + 6) \times (6 + 6) \times (6 \times 6 + 6)) + (66/6)) \\
&:= 7 + ((77 \times 77 + ((7 + 7)/7)^7) + 7/7) \\
&:= 8 + (((88/8 - 8)^8 - 8 \times 8 \times 8) + 8) \\
&:= (9 \times (((9 + 9)/9)^9) + 9 \times (9 + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6066 &:= ((1 + 1 + 1) \times (11 + (1 + 1)^{11})) - 111 \\
&:= 2222 + (2^{2+2+2} - 2)^2 \\
&:= (3 + 3) \times (3 \times (333 + 3) + 3) \\
&:= (4 + 4)/4 + (4 \times (4 \times 444 - (4^4 + 4))) \\
&:= 5 + (55 \times (55 + 55) + (55/5)) \\
&:= 66 + 6666 - 666 \\
&:= (77/7 + 7) \times ((7 \times 7 \times 7 - 7) + 7/7) \\
&:= 8 + ((8 \times 8 \times (88 + 8) - 88) + ((8 + 8)/8)) \\
&:= 9 \times (((9 + 9)/9)^9) + 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6067 &:= 1 + (((1 + 1 + 1) \times (11 + (1 + 1)^{11})) - 111) \\
&:= ((2/2 + 2) \times ((2 \times 22 + 2/2)^2 - 2)) - 2 \\
&:= 3/3 + ((3 + 3) \times (3 \times (333 + 3) + 3)) \\
&:= 4 + ((4^4 \times ((4 \times 4 + 4) + 4)) - (4 - 4/4)^4) \\
&:= 5 + (55 \times (55 + 55) + ((55 + 5)/5)) \\
&:= 66 + ((6666 - 666) + 6/6) \\
&:= (((7 + 7)/7)^7 \times (7 \times 7 - 7/7)) - 77 \\
&:= 88/8 + (8 \times 8 \times (88 + 8) - 88) \\
&:= 9 + ((9 \times 9 \times 9 \times 9 - ((9 + 9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6068 &:= (1 + (11111 + (1 + 1)^{11-1})) / (1 + 1) \\
&:= 2 \times ((2 + 2 + 2) \times (22^2 + 22) - 2) \\
&:= 3 + (((3 + 3) \times (3 \times (333 + 3) + 3)) - 3/3) \\
&:= 4 + (4 \times (4 \times 444 - (4^4 + 4))) \\
&:= (5 + 5)/5 \times (((55 \times 55 - 5/5) + 5) + 5) \\
&:= 6 + ((6/6 + 6) \times ((6 \times (6 + 6) \times (6 + 6)) + ((6 + 6)/6))) \\
&:= 7 + (77/7 \times ((77 + 7)/7 + 7 \times 77)) \\
&:= (8 \times (8 \times (88 + 8) - 8)) - (88 + 8)/8 \\
&:= (9/9 + 9 \times 9) \times (((9 + 9)/9) - 9) + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6069 &:= (1 + 1 + 1) \times ((1 + 1)^{11} - (1 + ((1 + 1) \times (1 + 1)))) \\
&:= (2/2 + 2) \times ((2 \times 22 + 2/2)^2 - 2) \\
&:= 3 + ((3 + 3) \times (3 \times (333 + 3) + 3)) \\
&:= (4 \times (4 \times 444 - 4^4)) - 44/4 \\
&:= 5555 + (5^5 - 555)/5 \\
&:= (66/6 + 6) \times (66 \times 66 / (6 + 6) - 6) \\
&:= 77 \times 77 + (7 \times (7 + 7 + 7) - 7) \\
&:= (8 \times (8 \times (88 + 8) - 8)) - 88/8 \\
&:= 9 + ((9 \times 9 \times 9 \times 9 - ((9 + 9)/9)^9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6070 &:= (1 + 1) \times (11 + ((111 - 1) / (1 + 1))^{1+1} - 1) \\
&:= (22^2 \times (22/2 + 2)) - 222 \\
&:= 3 + (((3 + 3) \times (3 \times (333 + 3) + 3)) + 3/3) \\
&:= (4 - 44)/4 + (4 \times (4 \times 444 - 4^4)) \\
&:= (5 \times (5 \times ((5 - (5 + 5)/5)^5))) - 5 \\
&:= 66 \times (6 \times 6 - 6) + (((6 + 6)/6)^{6+6} - 6) \\
&:= ((7/7 + 77)^{(7+7)/7}) - (7 + 7) \\
&:= (8 - 88)/8 + (8 \times (8 \times (88 + 8) - 8)) \\
&:= 9 + ((99/9) \times ((9999 - 9 \times 9) / (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6071 &:= 11 + (11 + (((111 - 1)^{1+1}) / (1 + 1)) - 1) \\
&:= 2 + ((2/2 + 2) \times ((2 \times 22 + 2/2)^2 - 2)) \\
&:= (3 \times (3 + 3))^3 + (((3^{3+3} - 3)/3) - 3) \\
&:= ((4 - 4/4)^4 \times (44 + 4^4)/4) - 4 \\
&:= 5/5 + ((5 \times (5 \times ((5 - (5 + 5)/5)^5))) - 5) \\
&:= (6/6 + 6 + 6) \times (6 \times (66 + 6 + 6) - 6/6) \\
&:= 7 + ((77 \times 77 + ((7 + 7)/7)^7) + 7) \\
&:= (8 \times (8 \times (88 + 8) - 8)) - (8/8 + 8) \\
&:= 9 + (((9 - 9 \times 999) / (9 + 9)) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6072 &:= 11 + (11 + (((111 - 1)^{1+1}) / (1 + 1))) \\
&:= 2 \times (2 + 2 + 2) \times (22^2 + 22) \\
&:= (3^3 \times ((3 + 3)^3 + 3 \times 3)) - 3 \\
&:= ((4 + 4)/4 + 4) \times (4 \times (4^4 - 4) + 4) \\
&:= (5 + 5)/5 \times (55 \times 55 + (55/5)) \\
&:= ((66 + 6 + 6)^{(6+6)/6}) - 6 - 6 \\
&:= (7/7 + 7) \times (777 - (77/7 + 7)) \\
&:= (8 \times (8 \times (88 + 8) - 8)) - 8 \\
&:= 9 + (((99 + 9)/9 \times ((9 + 9)/9)^9) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6073 &:= ((111 - (11 \times (1 + 1 + 1)))^{1+1}) - 11 \\
&:= (2 \times 2 \times (22 - 2) - 2)^2 - 22/2 \\
&:= 3/3 + ((3^3 \times ((3 + 3)^3 + 3 \times 3)) - 3) \\
&:= ((4 - 4/4)^{4+4}) - (444 + 44) \\
&:= (55 \times 555/5) - ((5 + 5)/5)^5 \\
&:= ((66 + 6 + 6)^{(6+6)/6}) - 66/6 \\
&:= ((7/7 + 77)^{(7+7)/7}) - 77/7 \\
&:= 8/8 + ((8 \times (8 \times (88 + 8) - 8)) - 8) \\
&:= (9 \times ((9 \times (9 \times 9 - 9) + 9) + 9) + 9) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6074 &:= 1 + (((111 - (11 \times (1 + 1 + 1)))^{1+1}) - 11) \\
&:= 2 + (2 \times (2 + 2 + 2) \times (22^2 + 22)) \\
&:= (3 \times (3 + 3))^3 + ((3^{3+3} - 3)/3) \\
&:= (4 \times (4 \times 444 - 4^4)) - ((4 + 4)/4 + 4) \\
&:= (5 \times (5 \times ((5 - (5 + 5)/5)^5))) - 5/5 \\
&:= (6 - 66)/6 + (((66 + 6 + 6)^{(6+6)/6}) \\
&:= 7 + (((7 + 7)/7)^7 \times (7 \times 7 - 7/7)) - 77) \\
&:= (8 + 8)/8 + ((8 \times (8 \times (88 + 8) - 8)) - 8) \\
&:= (9 \times (((9 \times (9 \times 9 - 9) + 9) + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6075 &:= (1 + 1 + 1) \times ((1 + 1)^{11} - (1 + (11 + 11))) \\
&:= (2/2 + 2) \times (2 \times 22 + 2/2)^2 \\
&:= 3^3 \times ((3 + 3)^3 + 3 \times 3) \\
&:= (4 - 4/4)^4 \times (44 + 4^4)/4 \\
&:= 5 \times (5 \times ((5 - (5 + 5)/5)^5)) \\
&:= (6 - 6/6) \times (((66/6) \times 666/6) - 6) \\
&:= 77 \times 77 + (7 \times (7 + 7 + 7) - 7/7) \\
&:= (88/8 + 8 \times 8) \times ((8/8 - 8) + 88) \\
&:= 9 \times (((9 \times (9 \times 9 - 9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6076 &:= 1 + ((1 + 1 + 1) \times ((1 + 1)^{11} - (1 + (11 + 11)))) \\
&:= 2 \times ((2 + 2 + 2) \times (22^2 + 22) + 2) \\
&:= 3/3 + (3^3 \times ((3 + 3)^3 + 3 \times 3)) \\
&:= (4 \times (4 \times 444 - 4^4)) - 4 \\
&:= 5/5 + (5 \times (5 \times ((5 - (5 + 5)/5)^5))) \\
&:= 66 \times (6 \times 6 - 6) + (((6 + 6)/6)^{6+6}) \\
&:= 7 \times ((777 + 77 + 7) + 7) \\
&:= 8 \times 8 \times 88 + 888 / ((8 + 8)/8) \\
&:= 9/9 + (9 \times ((9 \times (9 \times 9 - 9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6077 &:= ((1 + 1 + 1) \times ((1 + 1)^{11} - (11 + 11))) - 1 \\
&:= (2/2 + 2)^{2 \times (2+2)} - 22^2 \\
&:= 3333 + (33/3 + 3)^3 \\
&:= 4/4 + ((4 \times (4 \times 444 - 4^4)) - 4) \\
&:= (5 + 5)/5 + (5 \times (5 \times ((5 - (5 + 5)/5)^5))) \\
&:= ((66 + 6 + 6)^{(6+6)/6}) - 6/6 - 6 \\
&:= ((7/7 + 77)^{(7+7)/7}) - 7 \\
&:= 8 + ((8 \times (8 \times (88 + 8) - 8)) - (88/8)) \\
&:= 9 + ((9/9 + 9 \times 9) \times (((9 + 9)/9) - 9) + 9 \times 9)
\end{aligned}$$

- ▶ 6078 := $(1+1+1) \times ((1+1)^{11} - (11+11))$
:= $(2/2+2) \times (2^{22/2} - 22)$
:= $3 + (3^3 \times ((3+3)^3 + 3 \times 3))$
:= $((4+4)/4+4) \times (4 \times 4^4 - 44/4)$
:= $(5/5+5) \times ((5-5/5)^5 - 55/5)$
:= $((66+6+6)^{(6+6)/6}) - 6$
:= $7/7 + (((7/7+77)^{(7+7)/7}) - 7)$
:= $(8 \times (8 \times (88+8) - 8)) - (8+8)/8$
:= $(99+9)/9 + (9 \times (((9+9)/9)^9) + 9 \times (9+9))$
- ▶ 6079 := $1 + ((1+1+1) \times ((1+1)^{11} - (11+11)))$
:= $2 + ((2/2+2)^{2 \times (2+2)} - 22^2)$
:= $3 + ((3^3 \times ((3+3)^3 + 3 \times 3)) + 3/3)$
:= $(4 \times (4 \times 444 - 4^4)) - 4/4$
:= $5 + ((5 \times (5 \times ((5 - (5+5)/5)^5))) - 5/5)$
:= $6/6 + (((66+6+6)^{(6+6)/6}) - 6)$
:= $7 + ((7/7+7) \times (777 - (77/7+7)))$
:= $(8 \times (8 \times (88+8) - 8)) - 8/8$
:= $((9 \times 9 - ((9+9)/9))^{(9+9)/9}) - 9 \times (9+9)$
- ▶ 6080 := $1 + (1 + ((1+1+1) \times ((1+1)^{11} - (11+11))))$
:= $(2 \times 2 \times (22-2) - 2)^2 - 2 - 2$
:= $3 + ((33/3+3)^3 + 3333)$
:= $4 \times (4 \times 444 - 4^4)$
:= $5 + (5 \times (5 \times ((5 - (5+5)/5)^5)))$
:= $(6+6)/6 + (((66+6+6)^{(6+6)/6}) - 6)$
:= $(77 - 7/7) \times ((7+7+7)/7+77)$
:= $8 \times (8 \times (88+8) - 8)$
:= $(9/9 - 9 \times 9) \times (((9 \times 9+9)/(9+9)) - 9 \times 9)$
- ▶ 6081 := $(1+1+1) \times (1 + ((1+1)^{11} - (11+11)))$
:= $(2/2+2) \times ((2 \times 22+2/2)^2 + 2)$
:= $((3 \times 3^3 - 3)^{3-3/3}) - 3$
:= $4/4 + (4 \times (4 \times 444 - 4^4))$
:= $5 + ((5 \times (5 \times ((5 - (5+5)/5)^5))) + 5/5)$
:= $((66+6+6)^{(6+6)/6}) - 6 \times 6/(6+6)$
:= $(77 \times ((7+7)/7+77)) - (7+7)/7$
:= $8/8 + (8 \times (8 \times (88+8) - 8))$
:= $9 + (((99+9)/9 \times ((9+9)/9)^9) - 9 \times 9 + 9)$
- ▶ 6082 := $((111 - (11 \times (1+1+1)))^{1+1}) - 1 - 1$
:= $(2 \times 2 \times (22-2) - 2)^2 - 2$
:= $3/3 + (((3 \times 3^3 - 3)^{3-3/3}) - 3)$
:= $(4+4)/4 + (4 \times (4 \times 444 - 4^4))$
:= $((5+5)/5)^5 + 55 \times (55+55)$
:= $((66+6+6)^{(6+6)/6}) - (6+6)/6$
:= $(77 \times ((7+7)/7+77)) - 7/7$
:= $(8+8)/8 + (8 \times (8 \times (88+8) - 8))$
:= $9 + ((9 \times ((9 \times (9 \times 9 - 9) + 9) + 9)) - ((9+9)/9))$
- ▶ 6083 := $11 \times (((1111 - 1)/(1+1)) - (1+1))$
:= $(2 \times 2 \times (22-2) - 2)^2 - 2/2$
:= $((3 \times 3^3 - 3)^{3-3/3}) - 3/3$
:= $4 + ((4 \times (4 \times 444 - 4^4)) - 4/4)$
:= $55/5 \times (555 - (5+5)/5)$
:= $((66+6+6)^{(6+6)/6}) - 6/6$
:= $77 \times ((7+7)/7+77)$
:= $88/8 + ((8 \times (8 \times (88+8) - 8)) - 8)$
:= $9 + ((9 \times (((9 \times (9 \times 9 - 9) + 9) + 9) + 9)) - 9/9)$
- ▶ 6084 := $(111 - (11 \times (1+1+1)))^{1+1}$
:= $((2 \times 2 \times (22-2)) - 2)^2$
:= $(3 \times 3^3 - 3)^{3-3/3}$
:= $4 + (4 \times (4 \times 444 - 4^4))$
:= $(5/5+5) \times ((5-5/5)^5 - (5+5))$
:= $(66+6+6)^{(6+6)/6}$
:= $(7/7+77)^{(7+7)/7}$
:= $((8-88)/8+88)^{(8+8)/8}$
:= $9 + (9 \times (((9 \times (9 \times 9 - 9) + 9) + 9) + 9))$
- ▶ 6085 := $1 + ((111 - (11 \times (1+1+1)))^{1+1})$
:= $2/2 + (2 \times 2 \times (22-2) - 2)^2$
:= $3/3 + (((3 \times 3^3 - 3)^{3-3/3}) - 3/3)$
:= $4 + ((4 \times (4 \times 444 - 4^4)) + 4/4)$
:= $5 + ((5 \times (5 \times ((5 - (5+5)/5)^5))) + 5)$
:= $6/6 + (((66+6+6)^{(6+6)/6}) - 6)$
:= $7/7 + ((7/7+77)^{(7+7)/7})$
:= $8 + (((8 \times (8 \times (88+8) - 8)) - (88/8)) + 8)$
:= $9 + ((9 \times (((9 \times (9 \times 9 - 9) + 9) + 9) + 9)) + 9/9)$
- ▶ 6086 := $1 + (1 + ((111 - (11 \times (1+1+1)))^{1+1}))$
:= $2 + (2 \times 2 \times (22-2) - 2)^2$
:= $3 + (((3 \times 3^3 - 3)^{3-3/3}) - 3/3)$
:= $4 + ((4 \times (4 \times 444 - 4^4)) + (4+4)/4)$
:= $55/5 + (5 \times (5 \times ((5 - (5+5)/5)^5)))$
:= $(6+6)/6 + (((66+6+6)^{(6+6)/6}) - 6/6)$
:= $(7+7)/7 + ((7/7+77)^{(7+7)/7})$
:= $8 + ((8 \times (8 \times (88+8) - 8)) - ((8+8)/8))$
:= $99/9 + (9 \times (((9 \times (9 \times 9 - 9) + 9) + 9) + 9))$
- ▶ 6087 := $1 + (1 + (1 + ((111 - (11 \times (1+1+1)))^{1+1})))$
:= $2 + ((2 \times 2 \times (22-2) - 2)^2 + 2/2)$
:= $3 + ((3 \times 3^3 - 3)^{3-3/3})$
:= $4 + (((4 \times (4 \times 444 - 4^4)) - 4/4) + 4)$
:= $5 + (55 \times (55+55) + ((5+5)/5)^5)$
:= $(6 \times 6/(6+6)) + (((66+6+6)^{(6+6)/6}) - 6/6)$
:= $7 + ((77 - 7/7) \times ((7+7+7)/7+77))$
:= $8 + ((8 \times (8 \times (88+8) - 8)) - 8/8)$
:= $99 + ((9 - ((9+9+9)/9)) \times (999 - 9/9))$
- ▶ 6088 := $((1+1+1) \times (1+1)^{11}) - (1+11)/(1+1)$
:= $2 + ((2 \times 2 \times (22-2) - 2)^2 + 2)$
:= $3 + (((3 \times 3^3 - 3)^{3-3/3}) + 3/3)$
:= $4 + ((4 \times (4 \times 444 - 4^4)) + 4)$
:= $5 + (55/5 \times (555 - (5+5)/5))$
:= $6 + (((66+6+6)^{(6+6)/6}) - ((6+6)/6))$
:= $((7/7+7) \times 777) - ((7+7)/7)^7$
:= $8 + (8 \times (8 \times (88+8) - 8))$
:= $9 \times 9 \times (9 \times 9 - 9) + (((9+9)/9)^{9-9/9})$
- ▶ 6089 := $(11 + ((1 + (11 + 11))^{1+1+1}))/ (1+1)$
:= $2 + (((2 \times 2 \times (22-2) - 2)^2 + 2/2) + 2)$
:= $3 + (((3 \times 3^3 - 3)^{3-3/3}) - 3/3) + 3)$
:= $4 + (((4 \times (4 \times 444 - 4^4)) + 4/4) + 4)$
:= $((5/5+5) \times (5 - 5/5)^5) - 55$
:= $6 + (((66+6+6)^{(6+6)/6}) - 6/6)$
:= $7 + ((77 \times ((7+7)/7+77)) - 7/7)$
:= $8 + ((8 \times (8 \times (88+8) - 8)) + 8/8)$
:= $9 + ((9/9 - 9 \times 9) \times (((9 \times 9+9)/(9+9)) - 9 \times 9))$
- ▶ 6090 := $(11 - 1) \times ((11 \times 111 - 1)/(1+1) - 1)$
:= $2 + (((2 \times 2 \times (22-2) - 2)^2 + 2) + 2)$
:= $3 + (((3 \times 3^3 - 3)^{3-3/3}) + 3)$
:= $(44 - 4)/4 \times ((4/4 + 4)^4 - 4 \times 4)$
:= $(5+5) \times (((5^5 - 55)/5) - 5)$
:= $6 + (((66+6+6)^{(6+6)/6}) - 6/6)$
:= $7 + (77 \times ((7+7)/7+77))$
:= $8 + ((8 \times (8 \times (88+8) - 8)) + ((8+8)/8))$
:= $(9/9+9) \times (9 \times 9 \times 9 - (999/9+9))$
- ▶ 6091 := $1 + ((11 - 1) \times ((11 \times 111 - 1)/(1+1) - 1))$
:= $2 + (((2 \times 2 \times (22-2) - 2)^2 + 2/2) + 2) + 2)$
:= $3 + (((3 \times 3^3 - 3)^{3-3/3}) + 3/3) + 3)$
:= $44/4 + (4 \times (4 \times 444 - 4^4))$
:= $5/5 + ((5+5) \times (((5^5 - 55)/5) - 5))$
:= $6 + (((66+6+6)^{(6+6)/6}) + 6/6)$
:= $7 + ((7/7+77)^{(7+7)/7})$
:= $88/8 + (8 \times (8 \times (88+8) - 8))$
:= $((9/9+99) \times (9 \times 9 - (99/9+9))) - 9$
- ▶ 6092 := $(11 \times (((1111 - 1)/(1+1) - 1)) - 1) - 1 - 1$
:= $2 \times (2 \times (((2 \times (22-2) - 2/2)^2) + 2))$
:= $(3 \times ((3+3) \times 333 + 33)) - 3/3$
:= $44 + ((4^4 - 4) \times ((4 \times 4 + 4) + 4))$
:= $(5+5)/5 + ((5+5) \times (((5^5 - 55)/5) - 5))$
:= $6 + (((66+6+6)^{(6+6)/6}) + ((6+6)/6))$
:= $7 + (((7/7+77)^{(7+7)/7}) + 7/7)$
:= $8 + (((8-88)/8+88)^{(8+8)/8})$
:= $99 + ((9 \times ((9 \times (9 \times 9 - 9) + 9) + 9)) - 9/9)$

$$\begin{aligned}
\blacktriangleright 6093 &:= (11 \times (((1111 - 1)/(1 + 1)) - 1)) - 1 \\
&:= 22/2 + ((2 \times 2 \times (22 - 2) - 2)^2 - 2) \\
&:= 3 \times ((3 + 3) \times 333 + 33) \\
&:= 44 + (((4^4 - 4) \times ((4 \times 4 + 4) + 4)) + 4/4) \\
&:= (55 \times 555/5) - (55 + 5)/5 \\
&:= (6 \times 6/(6 + 6) + 6) \times (666 + (66/6)) \\
&:= 7 + (((7/7 + 77)^{(7+7)/7}) + ((7 + 7)/7)) \\
&:= (8/8 + 8) \times (8 \times 88 - (88/8 + 8 + 8)) \\
&:= 99 + (9 \times ((9 \times (9 \times 9 - 9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6094 &:= 11 \times (((1111 - 1)/(1 + 1)) - 1) \\
&:= 22 \times (((22 + 2)^2) - 22)/2 \\
&:= 3/3 + (3 \times ((3 + 3) \times 333 + 33)) \\
&:= 4 + ((44 - 4)/4 \times ((4/4 + 4)^4 - 4 \times 4)) \\
&:= 55/5 \times (555 - 5/5) \\
&:= 66/6 \times (666 - (666 + 6)/6) \\
&:= 77/7 + (77 \times ((7 + 7)/7 + 77)) \\
&:= 8 + (((8 \times (8 \times (88 + 8) - 8)) - ((8 + 8)/8)) + 8) \\
&:= 9/9 + ((9 \times ((9 \times (9 \times 9 - 9) + 9) + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6095 &:= 1 + (11 \times (((1111 - 1)/(1 + 1)) - 1)) \\
&:= 22/2 + (2 \times 2 \times (22 - 2) - 2)^2 \\
&:= 33/3 + ((3 \times 3^3 - 3)^{3-3/3}) \\
&:= (4^4 - 44)/4 \times (444/4 + 4) \\
&:= 5^5 + (55 \times (55 - 5/5)) \\
&:= 66/6 + ((66 + 6 + 6)^{(6+6)/6}) \\
&:= 77/7 + ((7/7 + 77)^{(7+7)/7}) \\
&:= 8 + (((8 \times (8 \times (88 + 8) - 8)) - 8/8) + 8) \\
&:= 9 + (9 \times (((9 \times (9 \times 9 - 9) + 9) + 9) + 9)) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6096 &:= 1 + (1 + (11 \times (((1111 - 1)/(1 + 1)) - 1))) \\
&:= (22 + 2) \times (2^{2 \times (2+2)} - 2) \\
&:= 3 + (3 \times ((3 + 3) \times 333 + 33)) \\
&:= 4 \times ((4 \times 444 - 4^4) + 4) \\
&:= 5^5 + ((55 \times (55 - 5/5)) + 5/5) \\
&:= 6 + (((66 + 6 + 6)^{(6+6)/6}) + 6) \\
&:= (7/7 + 7) \times (777 - (7/7 + 7 + 7)) \\
&:= 8 + ((8 \times (8 \times (88 + 8) - 8)) + 8) \\
&:= ((99/9) \times (9999 - 9)/(9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6097 &:= ((1 + 1 + 1) \times ((1 + 1)^{11} - (1 + 11))) - 11 \\
&:= 2/2 + (22 + 2) \times (2^{2 \times (2+2)} - 2) \\
&:= 3 + ((3 \times ((3 + 3) \times 333 + 33)) + 3/3) \\
&:= 4/4 + (4 \times ((4 \times 444 - 4^4) + 4)) \\
&:= 5^5 + ((55 \times (55 - 5/5)) + ((5 + 5)/5)) \\
&:= 6 + (((66 + 6 + 6)^{(6+6)/6}) + 6/6 + 6) \\
&:= (7 \times 7 \times (77 + 7 \times 7)) - 77 \\
&:= 8 + (((8 \times (8 \times (88 + 8) - 8)) + 8/8) + 8) \\
&:= (9 - (9 + 9)/9) \times (9 \times 99 - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6098 &:= (((11 \times 1111) - 1)/(1 + 1)) - 1 - 11 \\
&:= 2 + (22 + 2) \times (2^{2 \times (2+2)} - 2) \\
&:= 3 + (((3 \times 3^3 - 3)^{3-3/3}) + 33/3) \\
&:= (4 + 4)/4 + (4 \times ((4 \times 444 - 4^4) + 4)) \\
&:= (55 \times 555/5) - ((5 + 5)/5 + 5) \\
&:= 6 + (((66 + 6 + 6)^{(6+6)/6}) + ((6 + 6)/6) + 6) \\
&:= 7 + (((7/7 + 77)^{(7+7)/7}) + 7) \\
&:= 8 + (((8 \times (8 \times (88 + 8) - 8)) + ((8 + 8)/8)) + 8) \\
&:= 9 \times (9 \times (9 \times 9 + 9) - 9) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6099 &:= (((11 \times 1111) - 1)/(1 + 1)) - 11 \\
&:= 2 + (22 + 2) \times (2^{2 \times (2+2)} - 2) + 2/2 \\
&:= (3 \times ((3 + 3) \times (333 + 3 + 3))) - 3 \\
&:= (4^4 \times ((4 \times 4 + 4) + 4)) - (44 + 4/4) \\
&:= 5 + (55/5 \times (555 - 5/5)) \\
&:= (666/6 \times (66 - 66/6)) - 6 \\
&:= 7 + (((7/7 + 77)^{(7+7)/7}) + 7/7 + 7) \\
&:= 8 + ((8 \times (8 \times (88 + 8) - 8)) + (88/8)) \\
&:= 9 + ((9/9 + 9) \times (9 \times 9 \times 9 - (999/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6100 &:= (11 - 1) \times (11 \times 111 - 1)/(1 + 1) \\
&:= 2 + ((22 + 2) \times (2^{2 \times (2+2)} - 2) + 2) \\
&:= ((3/3 - 3) + 3^3) \times ((3^{3+3} + 3)/3) \\
&:= (4^4 \times ((4 \times 4 + 4) + 4)) - 44 \\
&:= (5 + 5) \times (555 + 55) \\
&:= (6 - 6/6) \times (((66 \times 666/6) - 6)/6) \\
&:= (7/7 + 7 \times 7) \times (777 + 77)/7 \\
&:= 8 \times 8 \times (88 + 8) - (88/((8 + 8)/8)) \\
&:= (9/9 + 99) \times (9 \times 9 - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6101 &:= 1 + ((11 - 1) \times (11 \times 111 - 1)/(1 + 1)) \\
&:= 2 + (((22 + 2) \times (2^{2 \times (2+2)} - 2) + 2/2) + 2) \\
&:= (3 \times ((3 + 3) \times (333 + 3 + 3))) - 3/3 \\
&:= 4/4 + ((4^4 \times ((4 \times 4 + 4) + 4)) - 44) \\
&:= 5/5 + ((5 + 5) \times (555 + 55)) \\
&:= 6 + (((66 + 6 + 6)^{(6+6)/6}) + (66/6)) \\
&:= 7 + ((77 \times ((7 + 7)/7 + 77)) + (77/7)) \\
&:= 8 + ((8 \times (8 \times (88 + 8) - 8)) + (88 + 8 + 8)/8) \\
&:= ((9/9 + 9) \times (((9 + 9)/9)^9 + 99)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6102 &:= (1 + 1 + 1) \times ((1 + 1)^{11} - (1 + (1 + 1 + 11))) \\
&:= (2/2 + 2)^2 \times (((22 + 2 + 2)^2) + 2) \\
&:= 3 \times ((3 + 3) \times (333 + 3 + 3)) \\
&:= (4 + 4)/4 + ((4^4 \times ((4 \times 4 + 4) + 4)) - 44) \\
&:= (5 + 5)/5 + ((5 + 5) \times (555 + 55)) \\
&:= 6 + (((66 + 6 + 6)^{(6+6)/6}) + 6) + 6) \\
&:= 7 + (((7/7 + 77)^{(7+7)/7}) + (77/7)) \\
&:= (8 - (8 + 8)/8) \times ((8 \times 8 \times (8 + 8) - 8) + 8/8) \\
&:= 999 + (9 \times (9 \times (9 \times 9 - (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6103 &:= (11 \times ((1111 - 1)/(1 + 1))) - 1 - 1 \\
&:= (22/2 \times ((2222 - 2)/(2 + 2))) - 2 \\
&:= 3/3 + (3 \times ((3 + 3) \times (333 + 3 + 3))) \\
&:= 4 + 4^4 \times (4 \times 4 + 4 + 4) - (44 + 4/4) \\
&:= (55 \times 555/5) - (5 + 5)/5 \\
&:= (66/6 + 6) \times (6 \times (66 - 6) - 6/6) \\
&:= ((7/7 + 7) \times (777 - (7 + 7))) - 7/7 \\
&:= ((8 - 8/8) \times (888 - 8 - 8)) - 8/8 \\
&:= 9/9 + ((9 \times (9 \times (9 \times 9 - (9 + 9)))) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6104 &:= (11 \times ((1111 - 1)/(1 + 1))) - 1 \\
&:= 2 \times ((2^{2+2} - 2) \times (222 - 2 - 2)) \\
&:= (3^3 + 3/3) \times (((3 + 3)^3 - 3/3) + 3) \\
&:= 4 + ((4^4 \times ((4 \times 4 + 4) + 4)) - 44) \\
&:= (55 \times 555/5) - 5/5 \\
&:= (666/6 \times (66 - 66/6)) - 6/6 \\
&:= (7/7 + 7) \times (777 - (7 + 7)) \\
&:= (8 - 8/8) \times (888 - 8 - 8) \\
&:= (9 - (9 + 9)/9) \times (9 \times 99 - (9/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6105 &:= 11 \times ((1111 - 1)/(1 + 1)) \\
&:= 22/2 \times ((2222 - 2)/(2 + 2)) \\
&:= 3 + (3 \times ((3 + 3) \times (333 + 3 + 3))) \\
&:= 444/4 \times (44/4 + 44) \\
&:= 55 \times 555/5 \\
&:= 666/6 \times (66 - 66/6) \\
&:= 777/7 \times ((7 \times 7 - 7/7) + 7) \\
&:= 888/8 \times (8 \times 8 - (8/8 + 8)) \\
&:= 99/9 \times (9999 - 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6106 &:= 1 + (11 \times ((1111 - 1)/(1 + 1))) \\
&:= 22 + (2 \times 2 \times (22 - 2) - 2)^2 \\
&:= 3 + ((3 \times ((3 + 3) \times (333 + 3 + 3))) + 3/3) \\
&:= 4/4 + (444/4 \times (44/4 + 44)) \\
&:= 5/5 + (55 \times 555/5) \\
&:= 6/6 + (666/6 \times (66 - 66/6)) \\
&:= 7 \times 7 + (77 \times 77 + ((7 + 7)/7)^7) \\
&:= (88 - ((8 + 8)/8)) \times ((8 \times 8 - 8/8) + 8) \\
&:= 9 + ((9 - (9 + 9)/9) \times (9 \times 99 - (99/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6107 &:= 1 + (1 + (11 \times ((1111 - 1)/(1 + 1)))) \\
&:= 2 + (22/2 \times ((2222 - 2)/(2 + 2))) \\
&:= 3 + ((3^3 + 3/3) \times (((3 + 3)^3 - 3/3) + 3)) \\
&:= 44/4 + (4 \times ((4 \times 444 - 4^4) + 4)) \\
&:= (5 + 5)/5 + (55 \times 555/5) \\
&:= ((66 - 6) \times (6 \times 6 + 66)) - (6/6 + 6 + 6) \\
&:= 7 + (((7/7 + 7 \times 7) \times (777 + 77)/7) \\
&:= 8 + (((8 \times (8 \times (88 + 8) - 8)) + (88/8)) + 8) \\
&:= ((99/9) \times ((9999 + 9)/(9 + 9))) - 9
\end{aligned}$$

- **6108** := $(1 + 1 + 1) \times ((1 + 1)^{11} - (1 + 11))$
:= $2 + ((2 \times 2 \times (22 - 2) - 2)^2 + 22)$
:= $33 + (3^3 \times ((3 + 3)^3 + 3 \times 3))$
:= $(4 + 4)^4 + ((4 + 4) \times (4^4 - 4) - 4)$
:= $5 + ((55 \times 555/5) - ((5 + 5)/5))$
:= $6 \times (((6 + 6)/6)^{(66-6)/6} - 6)$
:= $77/7 + ((7 \times 7 \times (77 + 7 \times 7)) - 77)$
:= $8 + (8 \times 8 \times (88 + 8) - (88/((8 + 8)/8)))$
:= $9 \times 9 + (((99 + 9)/9 \times (((9 + 9)/9)^9) - 9) - 9)$
- **6109** := $((11 \times 1111) - 1)/(1 + 1) - 1$
:= $22^2 + ((2^{2+2+2} + 22/2)^2)$
:= $3/3 + ((3^3 \times ((3 + 3)^3 + 3 \times 3)) + 33)$
:= $4 + (444/4 \times (44/4 + 44))$
:= $5 + ((55 \times 555/5) - 5/5)$
:= $((66 - 6) \times (6 \times 6 + 66)) - 66/6$
:= $(77/7 \times ((7777 + 7)/(7 + 7))) - 7$
:= $8 \times 8 \times (88 + 8) - (88/8 + 8 + 8 + 8)$
:= $9 + ((9/9 + 99) \times (9 \times 9 - (99/9 + 9)))$
- **6110** := $((11 \times 1111) - 1)/(1 + 1)$
:= $2 + (((2 \times 2 \times (22 - 2) - 2)^2 + 22) + 2)$
:= $3^3 + (((3 \times 3^3 - 3)^{3-3/3}) - 3/3)$
:= $(4 + 4)^4 + ((4 + 4) \times (4^4 - 4) - (4 + 4)/4)$
:= $5 + (55 \times 555/5)$
:= $(6 - 6/6) \times (((66 \times 666/6) + 6)/6)$
:= $7 + (((7/7 + 7) \times (777 - (7 + 7))) - 7/7)$
:= $(8/8 + 8 \times 8) \times ((88 - ((8 + 8)/8)) + 8)$
:= $(9/9 + 9) \times (((9 + 9)/9)^9 + 99)$
- **6111** := $(1 + 1 + 1) \times ((1 + 1)^{11} - 11)$
:= $(2/2 + 2) \times (2^{22/2} - 22/2)$
:= $3 \times (((3 + 3) \times (333 + 3 + 3)) + 3)$
:= $(4 + 4)^4 + ((4 + 4) \times (4^4 - 4) - 4/4)$
:= $5 + ((55 \times 555/5) + 5/5)$
:= $6 + (666/6 \times (66 - 66/6))$
:= $7 + ((7/7 + 7) \times (777 - (7 + 7)))$
:= $(8 \times 8 - 8/8) \times ((8/8 + 88) + 8)$
:= $(9 - (9 + 9)/9) \times (9 \times 99 - (9 + 9))$
- **6112** := $1 + ((1 + 1 + 1) \times ((1 + 1)^{11} - 11))$
:= $2^{2+2} \times ((2^{2+2} \times (22 + 2)) - 2)$
:= $3^3 + (((3 \times 3^3 - 3)^{3-3/3}) + 3/3)$
:= $(4 + 4) \times (4 \times 4^4 - (4^4 + 4))$
:= $5 + ((55 \times 555/5) + ((5 + 5)/5))$
:= $((6 + 6)/6)^6 + ((6 + 6) \times (6 + 6) \times (6 \times 6 + 6))$
:= $7 + (777/7 \times ((7 \times 7 - 7/7) + 7))$
:= $8 + ((8 - 8/8) \times (888 - 8 - 8))$
:= $9/9 + ((9 - (9 + 9)/9) \times (9 \times 99 - (9 + 9)))$
- **6113** := $1 + (1 + ((1 + 1 + 1) \times ((1 + 1)^{11} - 11)))$
:= $2 + ((2/2 + 2) \times (2^{22/2} - 22/2))$
:= $33/3 + (3 \times ((3 + 3) \times (333 + 3 + 3)))$
:= $((4 - 4/4)^{4+4}) - (444 + 4)$
:= $((5/5 + 5) \times ((5 - 5/5)^5 - 5)) - 5/5$
:= $((66 - 6) \times (6 \times 6 + 66)) - 6/6 - 6$
:= $7 + ((77 \times 77 + ((7 + 7)/7)^7) + 7 \times 7)$
:= $(8 \times (8 - 8 \times 8)) + (88/8 - 8)^8$
:= $9 + ((9 - (9 + 9)/9) \times (9 \times 99 - (9/9 + 9 + 9)))$
- **6114** := $(1 + 1 + 1) \times (1 + (1 + 1)^{11} - 11)$
:= $(22 \times (2^{2 \times (2+2)} + 22)) - 2$
:= $3 + (((3 \times 3^3 - 3)^{3-3/3}) + 3^3)$
:= $((4 + 4)/4 + 4) \times (4 \times 4^4 - (4/4 + 4))$
:= $(5/5 + 5) \times ((5 - 5/5)^5 - 5)$
:= $((66 - 6) \times (6 \times 6 + 66)) - 6$
:= $(7 \times (777 + 7 \times (7 + 7))) - 77/7$
:= $8 + ((88 - ((8 + 8)/8)) \times ((8 \times 8 - 8/8) + 8))$
:= $9 + ((99/9) \times (9999 - 9)/(9 + 9))$
- **6115** := $(11 \times ((1 + 1111)/(1 + 1))) - 1$
:= $(22 \times (2^{2 \times (2+2)} + 22)) - 2/2$
:= $3 + (((3 \times 3^3 - 3)^{3-3/3}) + 3^3) + 3/3$
:= $4 + (((4 + 4) \times (4^4 - 4) - 4/4) + (4 + 4)^4)$
:= $5 + ((55 \times 555/5) + 5)$
:= $6/6 + (((66 - 6) \times (6 \times 6 + 66)) - 6)$
:= $77/7 + ((7/7 + 7) \times (777 - (7 + 7)))$
:= $88/8 + ((8 - 8/8) \times (888 - 8 - 8))$
:= $9 \times 9 \times 9 \times 9 - ((9 \times 9 \times 99 + 9)/(9 + 9))$
- **6116** := $11 \times ((1 + 1111)/(1 + 1))$
:= $22 \times (2^{2 \times (2+2)} + 22)$
:= $33/3 \times ((3333 + 3)/(3 + 3))$
:= $4 + ((4 + 4) \times (4^4 - 4) + (4 + 4)^4)$
:= $55/5 \times (555 + 5/5)$
:= $66/6 \times (6666 + 6)/(6 + 6)$
:= $77/7 \times ((7777 + 7)/(7 + 7))$
:= $88/8 \times ((8888 + 8)/(8 + 8))$
:= $99/9 \times ((9999 + 9)/(9 + 9))$
- **6117** := $1 + (11 \times ((1 + 1111)/(1 + 1)))$
:= $2/2 + (22 \times (2^{2 \times (2+2)} + 22))$
:= $3 \times ((3 - 3/3)^{33/3} - 3 \times 3)$
:= $((4 - 4/4)^{4+4}) - 444$
:= $5/5 + (55/5 \times (555 + 5/5))$
:= $6 + ((666/6 \times (66 - 66/6)) + 6)$
:= $77 + (777/7 + 77 \times 77)$
:= $8 \times 8 \times (88 + 8) - (88/8 + 8 + 8)$
:= $9 \times 9 + ((99 + 9)/9 \times (((9 + 9)/9)^9) - 9)$
- **6118** := $1 + (1 + (11 \times ((1 + 1111)/(1 + 1))))$
:= $2 + (22 \times (2^{2 \times (2+2)} + 22))$
:= $3/3 + (((3 \times 3^3 - 3)^{3-3/3}) + 33)$
:= $4/4 + (((4 - 4/4)^{4+4}) - 444)$
:= $5^5 + (55 \times 55 - ((5 + 5)/5)^5)$
:= $((66 - 6) \times (6 \times 6 + 66)) - (6 + 6)/6$
:= $(7 \times (777 + 7 \times (7 + 7))) - 7$
:= $8 + ((8/8 + 8 \times 8) \times ((88 - ((8 + 8)/8)) + 8))$
:= $(9 - (9 + 9)/9) \times ((9 \times 99 - (9 + 9)) + 9/9)$
- **6119** := $1 + (1 + (1 + (11 \times ((1 + 1111)/(1 + 1))))))$
:= $2 + ((22 \times (2^{2 \times (2+2)} + 22)) + 2/2)$
:= $(33/3 + 3)^3 + (3 \times 3 + 3 + 3)^3$
:= $((4 + 4)/4 + 4) \times (4 \times 4^4 - 4) - 4/4$
:= $5 + ((5/5 + 5) \times ((5 - 5/5)^5 - 5))$
:= $((66 - 6) \times (6 \times 6 + 66)) - 6/6$
:= $7/7 + ((7 \times (777 + 7 \times (7 + 7))) - 7)$
:= $8 + ((8 \times 8 - 8/8) \times ((8/8 + 88) + 8))$
:= $9 + ((9/9 + 9) \times (((9 + 9)/9)^9 + 99))$
- **6120** := $(1 + 11) \times ((1 + 1)^{11-1-1} - (1 + 1))$
:= $(22 + 2) \times (2^{2 \times (2+2)} - 2/2)$
:= $(3^3 + 33) \times (3 \times 33 + 3)$
:= $((4 + 4)/4 + 4) \times (4 \times 4^4 - 4)$
:= $5^5 + (5^5 - (5 \times 5 \times 5 + 5))$
:= $(66 - 6) \times (6 \times 6 + 66)$
:= $(7/7 + 7) \times (777 - (77 + 7)/7)$
:= $8 \times 8 \times (88 + 8) - 8 - 8 - 8$
:= $99 \times (9 \times 9 - 9) - (999 + 9)$
- **6121** := $11 + (((11 \times 1111) - 1)/(1 + 1))$
:= $2/2 + ((22 + 2) \times (2^{2 \times (2+2)} - 2/2))$
:= $3/3 + ((3^3 + 33) \times (3 \times 33 + 3))$
:= $4 + (((4 - 4/4)^{4+4}) - 444)$
:= $5 + (55/5 \times (555 + 5/5))$
:= $6/6 + ((66 - 6) \times (6 \times 6 + 66))$
:= $((7/7 + 7) \times (777 - (77/7))) - 7$
:= $8 + ((88/8 - 8)^8 + (8 \times (8 - 8 \times 8)))$
:= $9 \times (9 \times 9 \times 9 + 9) - (((9 + 9)/9)^9 + 9)$
- **6122** := $11 + ((1 + 1 + 1) \times ((1 + 1)^{11} - 11))$
:= $(2/2 + 2) \times 2^{22/2} - 22$
:= $3 + ((33/3 + 3)^3 + (3 \times 3 + 3 + 3)^3)$
:= $4 + (((4 - 4/4)^{4+4}) - 444) + 4/4$
:= $(55/5 \times (555 + (5 + 5)/5)) - 5$
:= $(6 + 6)/6 + ((66 - 6) \times (6 \times 6 + 66))$
:= $(7 \times (777 + 7 \times (7 + 7))) - (7 + 7 + 7)/7$
:= $8 \times 8 \times (88 + 8) - (88 + 88)/8$
:= $9/9 + (9 \times (9 \times 9 \times 9 + 9) - (((9 + 9)/9)^9 + 9))$

$$\begin{aligned}
\blacktriangleright 6123 &:= 1 + (11 + ((1 + 1 + 1) \times ((1 + 1)^{11} - 11))) \\
&:= 2/2 + ((2/2 + 2) \times 2^{22/2} - 22) \\
&:= 3 + ((3^3 + 33) \times (3 \times 33 + 3)) \\
&:= 4 + (((4 + 4)/4 + 4) \times (4 \times 4^4 - 4)) - 4/4 \\
&:= 5^5 + (5^5 - (5 \times 5 \times 5 + ((5 + 5)/5))) \\
&:= (6 \times 6/(6 + 6)) + (((66 - 6) \times (6 \times 6 + 66))) \\
&:= (7 \times (777 + 7 \times (7 + 7))) - (7 + 7)/7 \\
&:= 8 \times 8 \times (88 + 8) + ((8 - (88 + 88))/8) \\
&:= ((99 + 9)/9 \times (((9 + 9)/9)^9) - 9/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6124 &:= ((1 + 1 + 1) \times (1 + 1)^{11}) - ((1 + 1) \times (11 - 1)) \\
&:= 2 + ((2/2 + 2) \times 2^{22/2} - 22) \\
&:= 3 + (((3^3 + 33) \times (3 \times 33 + 3)) + 3/3) \\
&:= 4 + (((4 + 4)/4 + 4) \times (4 \times 4^4 - 4)) \\
&:= 5^5 + (5^5 - (5 \times 5 \times 5 + 5/5)) \\
&:= 6 + (((66 - 6) \times (6 \times 6 + 66)) - ((6 + 6)/6)) \\
&:= (7 \times (777 + 7 \times (7 + 7))) - 7/7 \\
&:= 8 \times 8 \times (88 + 8) - ((88 + 8)/8 + 8) \\
&:= 9 + (9 \times 9 \times 9 \times 9 - ((9 \times 9 \times 99 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6125 &:= 11 + ((1 + 1 + 1) \times (1 + (1 + 1)^{11} - 11)) \\
&:= (2/2 + 2 + 2) \times (((22/2 + 22) + 2)^2) \\
&:= (3 \times (3 + 3))^3 + (3 \times 3 \times 33 - 3/3 - 3) \\
&:= 4 + (((4 - 4/4)^{4+4}) - 444) + 4 \\
&:= 5 \times (5 \times (5 \times 5 \times (5 + 5) - 5)) \\
&:= 6 + (((66 - 6) \times (6 \times 6 + 66)) - 6/6) \\
&:= 7 \times (777 + 7 \times (7 + 7)) \\
&:= 8 \times 8 \times (88 + 8) - (88/8 + 8) \\
&:= 9 + ((99/9) \times ((9999 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6126 &:= (11 \times (1 + ((1 + 1111)/(1 + 1)))) - 1 \\
&:= (2/2 + 2) \times (2^{22/2} - (2 + 2 + 2)) \\
&:= 3 \times ((3 - 3/3)^{33/3} - (3 + 3)) \\
&:= ((4 + 4)/4 + 4) \times ((4 \times 4^4 - 4) + 4/4) \\
&:= 5^5 + ((5/5 - 5 \times 5 \times 5) + 5^5) \\
&:= 6 + ((66 - 6) \times (6 \times 6 + 66)) \\
&:= 7/7 + (7 \times (777 + 7 \times (7 + 7))) \\
&:= (8 - 88)/8 + (8 \times 8 \times (88 + 8) - 8) \\
&:= 99 \times (9 \times 9 - 9 - 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6127 &:= 11 \times (1 + ((1 + 1111)/(1 + 1))) \\
&:= 22/2 + (22 \times (2^{2 \times (2+2)} + 22)) \\
&:= (((3 \times (3 + 3)) + 3/3)^3) - (3^{3+3} + 3) \\
&:= (4^4 \times ((4 \times 4 + 4) + 4)) - (4 \times 4 + 4/4) \\
&:= 55/5 \times (555 + (5 + 5)/5) \\
&:= 6 + (((66 - 6) \times (6 \times 6 + 66)) + 6/6) \\
&:= (7 + 7)/7 + (7 \times (777 + 7 \times (7 + 7))) \\
&:= 8 \times 8 \times (88 + 8) - (8/8 + 8 + 8) \\
&:= 99/9 \times ((9 \times (9 \times 9 - (9 + 9))) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6128 &:= 1 + (11 \times (1 + ((1 + 1111)/(1 + 1)))) \\
&:= 2 \times 22 + (2 \times 2 \times (22 - 2) - 2)^2 \\
&:= (3 \times (3 + 3))^3 + (3 \times 3 \times 33 - 3/3) \\
&:= 4 \times ((4 \times (4 + 4) \times (44 + 4)) - 4) \\
&:= 5^5 + (5^5 - ((555 + 55)/5)) \\
&:= 6 + (((66 - 6) \times (6 \times 6 + 66)) + ((6 + 6)/6)) \\
&:= (7/7 + 7) \times (777 - (77/7)) \\
&:= 8 \times 8 \times (88 + 8) - 8 - 8 \\
&:= 99 \times (9 \times 9 - 9) - (999 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6129 &:= ((1 + 1 + 1) \times ((1 + 1)^{11} - 1)) - 1 - 11 \\
&:= (2/2 + 2) \times (2^{22/2} - (2/2 + 2 + 2)) \\
&:= 3 \times (3 \times (3 \times (3 + 3)^3 + 33)) \\
&:= 4/4 + (4 \times ((4 \times (4 + 4) \times (44 + 4)) - 4)) \\
&:= 5 + ((5^5 - (5 \times 5 \times 5 + 5/5)) + 5^5) \\
&:= 6 + (((66 - 6) \times (6 \times 6 + 66)) + (6 \times 6/(6 + 6))) \\
&:= 7/7 + ((7/7 + 7) \times (777 - (77/7))) \\
&:= 8/8 + (8 \times 8 \times (88 + 8) - (8 + 8)) \\
&:= 99 \times (9 \times 9 - 9) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6130 &:= ((1 + 1 + 1) \times ((1 + 1)^{11} - 1)) - 11 \\
&:= ((2/2 + 2) \times (2^{22/2} - (2 + 2))) - 2 \\
&:= (((3 \times (3 + 3)) + 3/3)^3) - 3^{3+3} \\
&:= 4 + (((4 + 4)/4 + 4) \times ((4 \times 4^4 - 4) + 4/4)) \\
&:= 5 + ((5^5 - 5 \times 5 \times 5) + 5^5) \\
&:= ((66 - 6)/6) + ((66 - 6) \times (6 \times 6 + 66)) \\
&:= (((7 + 7)/7)^7 \times (7 \times 7 - 7/7)) - (7 + 7) \\
&:= (8 + 8)/8 + (8 \times 8 \times (88 + 8) - (8 + 8)) \\
&:= 9 \times (9 \times 9 \times 9 + 9) - ((9 + 9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6131 &:= 1 + (((1 + 1 + 1) \times ((1 + 1)^{11} - 1)) - 11) \\
&:= (2/2 + 2) \times 2^{22/2} - (22/2 + 2) \\
&:= ((3^3 + 3/3) \times ((3 + 3)^3 + 3)) - 3/3 \\
&:= ((4 - 4/4) \times (4^4 \times (4 + 4) - 4)) - 4/4 \\
&:= 5 + (((5^5 - 5 \times 5 \times 5) + 5^5) + 5/5) \\
&:= 66/6 + ((66 - 6) \times (6 \times 6 + 66)) \\
&:= 7 + ((7 \times (777 + 7 \times (7 + 7))) - 7/7) \\
&:= 8 \times 8 \times (88 + 8) - (88 + 8 + 8)/8 \\
&:= 9/9 + (9 \times (9 \times 9 \times 9 + 9) - ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6132 &:= (1 + 11) \times ((1 + 1)^{11-1-1} - 1) \\
&:= (2/2 + 2) \times (2^{22/2} - (2 + 2)) \\
&:= (3^3 + 3/3) \times ((3 + 3)^3 + 3) \\
&:= (4 - 4/4) \times (4^4 \times (4 + 4) - 4) \\
&:= 5 + (55/5 \times (555 + (5 + 5)/5)) \\
&:= 6 + (((66 - 6) \times (6 \times 6 + 66)) + 6) \\
&:= 7 + (7 \times (777 + 7 \times (7 + 7))) \\
&:= ((88 + 8)/8) \times (8 \times 8 \times 8 - 8/8) \\
&:= (99 + 9)/9 \times (((9 + 9)/9)^9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6133 &:= ((1 + 1 + 1) \times (1 + 1)^{11}) - 11 \\
&:= (2/2 + 2) \times 2^{22/2} - 22/2 \\
&:= 3 + (((3 \times (3 + 3)) + 3/3)^3) - 3^{3+3} \\
&:= (4^4 \times ((4 \times 4 + 4) + 4)) - 44/4 \\
&:= 5^5 + (5^5 - ((555 + 5)/5 + 5)) \\
&:= 6 + (((66 - 6) \times (6 \times 6 + 66)) + 6/6 + 6) \\
&:= 7 \times 7 + ((7/7 + 7)^{(7+7)/7}) \\
&:= 8 \times 8 \times (88 + 8) - 88/8 \\
&:= ((99 + 9)/9 \times ((9 + 9)/9)^9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6134 &:= 1 + (((1 + 1 + 1) \times (1 + 1)^{11}) - 11) \\
&:= 2 + ((2/2 + 2) \times (2^{22/2} - (2 + 2))) \\
&:= (3 \times ((3 - 3/3)^{33/3} - 3)) - 3/3 \\
&:= (4 - 44)/4 + (4^4 \times ((4 \times 4 + 4) + 4)) \\
&:= 5^5 + (5^5 - (555/5 + 5)) \\
&:= 6 + (((66 - 6) \times (6 \times 6 + 66)) + ((6 + 6)/6) + 6) \\
&:= 77 + (77 \times 77 + ((7 + 7)/7)^7) \\
&:= (8 - 88)/8 + 8 \times 8 \times (88 + 8) \\
&:= ((99 + 9)/9 \times ((9 + 9)/9)^9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6135 &:= (1 + 1 + 1) \times ((1 + 1)^{11} - (1 + 1 + 1)) \\
&:= (2/2 + 2) \times 2^{22/2} - 2/2 - 2 \\
&:= 3 \times ((3 - 3/3)^{33/3} - 3) \\
&:= (4 - 4/4) \times ((4^4 \times (4 + 4) - 4) + 4/4) \\
&:= ((5 + 5) \times ((5^5 - 55)/5)) - 5 \\
&:= (6 - 6/6) \times (((66/6) \times 666/6) + 6) \\
&:= 7 + ((7/7 + 7) \times (777 - (77/7))) \\
&:= 8 \times 8 \times (88 + 8) - (8/8 + 8) \\
&:= ((99 + 9)/9 \times ((9 + 9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6136 &:= ((1 + 1 + 1) \times (1 + (1 + 1)^{11})) - 11 \\
&:= ((2/2 + 2) \times (2^{22/2} - 2)) - 2 \\
&:= 3/3 + (3 \times ((3 - 3/3)^{33/3} - 3)) \\
&:= (4^4 \times ((4 \times 4 + 4) + 4)) - 4 - 4 \\
&:= 5^5 + ((55/5 - 5 \times 5 \times 5) + 5^5) \\
&:= (66 - 6/6 - 6) \times (((666 - 6)/6) - 6) \\
&:= 77/7 + (7 \times (777 + 7 \times (7 + 7))) \\
&:= 8 \times 8 \times (88 + 8) - 8 \\
&:= 9/9 + (((99 + 9)/9 \times ((9 + 9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6137 &:= ((1 + 1 + 1) \times ((1 + 1)^{11} - (1 + 1))) - 1 \\
&:= ((2/2 + 2) \times (2^{22/2} - 2)) - 2/2 \\
&:= (33 \times (((3 + 3)^3 - 33) + 3)) - 3/3 \\
&:= 4 + ((4^4 \times ((4 \times 4 + 4) + 4)) - 44/4) \\
&:= 5^5 + (5^5 - (555 + 5 + 5)/5) \\
&:= (66/6 + 6) \times (6 \times (66 - 6) + 6/6) \\
&:= (((7 + 7)/7)^7 \times (7 \times 7 - 7/7)) - 7 \\
&:= 8/8 + (8 \times 8 \times (88 + 8) - 8) \\
&:= (9/9 + 9 + 9) \times ((9 + 9) \times (9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6138 &:= (1+1+1) \times ((1+1)^{11} - (1+1)) \\
&:= (2/2+2) \times (2^{22/2} - 2) \\
&:= 33 \times (((3+3)^3 - 33) + 3) \\
&:= ((4+4)/4+4) \times (4 \times 4^4 - 4/4) \\
&:= 5^5 + (5^5 - (555+5)/5) \\
&:= 66 \times (666/6 - (6+6+6)) \\
&:= (77/7+7) \times (7 \times 7 \times 7 - ((7+7)/7)) \\
&:= (8+8)/8 + (8 \times 8 \times (88+8) - 8) \\
&:= 99 \times (9 \times 9 - (9/9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6139 &:= 1 + ((1+1+1) \times ((1+1)^{11} - (1+1))) \\
&:= 2/2 + ((2/2+2) \times (2^{22/2} - 2)) \\
&:= 3/3 + (33 \times (((3+3)^3 - 33) + 3)) \\
&:= (4^4 \times ((4 \times 4 + 4) + 4)) - 4/4 - 4 \\
&:= 5^5 + (5^5 - 555/5) \\
&:= 6/6 + (66 \times (666/6 - (6+6+6))) \\
&:= ((7/7+7) \times 777) - 77 \\
&:= (8-8/8) \times (888 - 88/8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 9) - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6140 &:= ((1+1+1) \times ((1+1)^{11} - 1)) - 1 \\
&:= 2 + ((2/2+2) \times (2^{22/2} - 2)) \\
&:= (3 \times (3-3/3)^{33/3}) - (3/3+3) \\
&:= (4^4 \times ((4 \times 4 + 4) + 4)) - 4 \\
&:= (5+5) \times ((5^5 - 55)/5) \\
&:= (6+6)/6 + (66 \times (666/6 - (6+6+6))) \\
&:= 7 + (((7/7+77)^{(7+7)/7}) + 7 \times 7) \\
&:= 8 \times 8 \times (88+8) - 8 \times 8/(8+8) \\
&:= (9+9)/9 + (99 \times (9 \times 9 - (9/9+9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6141 &:= (1+1+1) \times ((1+1)^{11} - 1) \\
&:= (2/2+2) \times (2^{22/2} - 2/2) \\
&:= (3 \times (3-3/3)^{33/3}) - 3 \\
&:= 4/4 + ((4^4 \times ((4 \times 4 + 4) + 4)) - 4) \\
&:= 5/5 + ((5+5) \times ((5^5 - 55)/5)) \\
&:= 6 \times 6 + (666/6 \times (66 - 66/6)) \\
&:= 7 + ((77 \times 77 + ((7+7)/7)^7) + 77) \\
&:= 8 + (8 \times 8 \times (88+8) - (88/8)) \\
&:= 9 + ((99+9)/9 \times (((9+9)/9)^9 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6142 &:= 1 + ((1+1+1) \times ((1+1)^{11} - 1)) \\
&:= (2/2+2) \times 2^{22/2} - 2 \\
&:= 3/3 + ((3 \times (3-3/3)^{33/3}) - 3) \\
&:= (4^4 \times ((4 \times 4 + 4) + 4)) - (4+4)/4 \\
&:= (5+5)/5 \times ((5^5 - 55) + 5/5) \\
&:= (6 \times (((6+6)/6)^{(66-6)/6}) - (6+6)/6) \\
&:= 7 + (((7/7+7) \times (777 - (77/7))) + 7) \\
&:= 8 \times 8 \times (88+8) - (8+8)/8 \\
&:= ((9 \times 9 - ((9+9)/9))^{(9+9)/9}) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6143 &:= ((1+1+1) \times (1+1)^{11}) - 1 \\
&:= (2/2+2) \times 2^{22/2} - 2/2 \\
&:= (3 \times (3-3/3)^{33/3}) - 3/3 \\
&:= (4^4 \times ((4 \times 4 + 4) + 4)) - 4/4 \\
&:= ((5/5+5) \times (5-5/5)^5) - 5/5 \\
&:= (6 \times (((6+6)/6)^{(66-6)/6}) - 6/6) \\
&:= (((7+7)/7)^7 \times (7 \times 7 - 7/7)) - 7/7 \\
&:= 8 \times 8 \times (88+8) - 8/8 \\
&:= ((99+9)/9 \times ((9+9)/9)^9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6144 &:= (1+1+1) \times (1+1)^{11} \\
&:= (2/2+2) \times 2^{22/2} \\
&:= 3 \times (3-3/3)^{33/3} \\
&:= 4^4 \times ((4 \times 4 + 4) + 4) \\
&:= (5/5+5) \times (5-5/5)^5 \\
&:= 6 \times (((6+6)/6)^{(66-6)/6}) \\
&:= ((7+7)/7)^7 \times (7 \times 7 - 7/7) \\
&:= 8 \times 8 \times (88+8) \\
&:= (99+9)/9 \times ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6145 &:= 1 + ((1+1+1) \times (1+1)^{11}) \\
&:= 2/2 + (2/2+2) \times 2^{22/2} \\
&:= 3/3 + (3 \times (3-3/3)^{33/3}) \\
&:= 4/4 + (4^4 \times ((4 \times 4 + 4) + 4)) \\
&:= 5^5 + (55 \times 55 - 5) \\
&:= 6/6 + (6 \times (((6+6)/6)^{(66-6)/6})) \\
&:= 7/7 + (((7+7)/7)^7 \times (7 \times 7 - 7/7)) \\
&:= 8/8 + 8 \times 8 \times (88+8) \\
&:= 9/9 + ((99+9)/9 \times ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6146 &:= 1 + (1 + ((1+1+1) \times (1+1)^{11})) \\
&:= 2 + (2/2+2) \times 2^{22/2} \\
&:= 3 + ((3 \times (3-3/3)^{33/3}) - 3/3) \\
&:= (4+4)/4 + (4^4 \times ((4 \times 4 + 4) + 4)) \\
&:= 5^5 + ((55 \times 55 - 5) + 5/5) \\
&:= (6+6)/6 + (6 \times (((6+6)/6)^{(66-6)/6})) \\
&:= 7 + (((7/7+7) \times 777) - 77) \\
&:= (8+8)/8 + 8 \times 8 \times (88+8) \\
&:= 9 + ((9/9+9+9) \times ((9+9) \times (9+9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6147 &:= (1+1+1) \times (1 + (1+1)^{11}) \\
&:= (2/2+2) \times (2^{22/2} + 2/2) \\
&:= 3 + (3 \times (3-3/3)^{33/3}) \\
&:= 4 + ((4^4 \times ((4 \times 4 + 4) + 4)) - 4/4) \\
&:= 5 + ((5+5)/5 \times ((5^5 - 55) + 5/5)) \\
&:= 6 + ((666/6 \times (66 - 66/6)) + 6 \times 6) \\
&:= ((7/7+7) \times (777 + 7/7)) - 77 \\
&:= 88/8 + (8 \times 8 \times (88+8) - 8) \\
&:= 9 + (99 \times (9 \times 9 - (9/9+9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6148 &:= 1 + ((1+1+1) \times (1 + (1+1)^{11})) \\
&:= 2 + ((2/2+2) \times 2^{22/2} + 2) \\
&:= 3 + ((3 \times (3-3/3)^{33/3}) + 3/3) \\
&:= 4 + (4^4 \times ((4 \times 4 + 4) + 4)) \\
&:= 5^5 + (55 \times 55 - ((5+5)/5)) \\
&:= ((6+6)/6)^6 + (((66+6+6)^{(66+6)/6})) \\
&:= ((7/7+7) \times (777 - 7)) - (77+7)/7 \\
&:= 8 \times 8/(8+8) + 8 \times 8 \times (88+8) \\
&:= 99 + (9 \times 9 \times 9 \times 9 - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6149 &:= 1 + (1 + ((1+1+1) \times (1 + (1+1)^{11}))) \\
&:= 2 + ((2/2+2) \times (2^{22/2} + 2/2)) \\
&:= 3 + (((3 \times (3-3/3)^{33/3}) - 3/3) + 3) \\
&:= 4 + ((4^4 \times ((4 \times 4 + 4) + 4)) + 4/4) \\
&:= 5 + ((5/5+5) \times (5-5/5)^5) \\
&:= 6 + ((6 \times (((6+6)/6)^{(66-6)/6}) - 6/6) \\
&:= ((7/7+7) \times (777 - 7)) - 77/7 \\
&:= 8 + ((8 \times 8 \times (88+8) - (88/8)) + 8) \\
&:= 99/9 + (99 \times (9 \times 9 - (9/9+9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6150 &:= (1+1+1) \times (1 + (1 + (1+1)^{11})) \\
&:= (2/2+2) \times (2^{22/2} + 2) \\
&:= 3 + ((3 \times (3-3/3)^{33/3}) + 3) \\
&:= ((4+4)/4+4) \times (4 \times 4^4 + 4/4) \\
&:= 5^5 + 55 \times 55 \\
&:= 6 + (6 \times (((6+6)/6)^{(66-6)/6})) \\
&:= 7 + (((7+7)/7)^7 \times (7 \times 7 - 7/7)) - 7/7 \\
&:= 8 + (8 \times 8 \times (88+8) - ((8+8)/8)) \\
&:= (9/9+9 \times 9) \times (((9+9+9)/9) - 9) + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6151 &:= 1 + ((1+1+1) \times (1 + (1 + (1+1)^{11}))) \\
&:= 2/2 + ((2/2+2) \times (2^{22/2} + 2)) \\
&:= 3 + (((3 \times (3-3/3)^{33/3}) + 3/3) + 3) \\
&:= 4 + (((4^4 \times ((4 \times 4 + 4) + 4)) - 4/4) + 4) \\
&:= 5^5 + (55 \times 55 + 5/5) \\
&:= 6 + ((6 \times (((6+6)/6)^{(66-6)/6}) + 6/6) \\
&:= 7 + (((7+7)/7)^7 \times (7 \times 7 - 7/7)) \\
&:= 8 + (8 \times 8 \times (88+8) - 8/8) \\
&:= 9 + (((9 \times 9 - ((9+9)/9))^{(9+9)/9}) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6152 &:= 11 + ((1+1+1) \times ((1+1)^{11} - 1)) \\
&:= 2 + ((2/2+2) \times (2^{22/2} + 2)) \\
&:= (3 \times ((3-3/3)^{33/3} + 3)) - 3/3 \\
&:= 4 + ((4^4 \times ((4 \times 4 + 4) + 4)) + 4) \\
&:= 5^5 + (55 \times 55 + ((5+5)/5)) \\
&:= 6 + ((6 \times (((6+6)/6)^{(66-6)/6}) + ((6+6)/6)) \\
&:= (7/7+7) \times (777 - (7/7+7)) \\
&:= 8 + 8 \times 8 \times (88+8) \\
&:= 9 + (((99+9)/9 \times ((9+9)/9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6153 &:= (1+1+1) \times (1+(1+(1+(1+1)^{11}))) \\
&:= (2/2+2) \times ((2^{22/2}+2/2)+2) \\
&:= 3 \times ((3-3/3)^{33/3}+3) \\
&:= 4 + (((4^4 \times ((4 \times 4+4)+4)) + 4/4) + 4) \\
&:= 5 + ((55 \times 55 - ((5+5)/5)) + 5^5) \\
&:= (6 \times (6 \times (6 \times (6 \times 6 - 6) - 6))) - 666/6 \\
&:= ((7/7+7) \times (777-7)) - 7 \\
&:= 8 + (8 \times 8 \times (88+8) + 8/8) \\
&:= 9 + ((99+9)/9 \times ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6154 &:= 11 + (((1+1+1) \times (1+1)^{11}) - 1) \\
&:= 2 + (((2/2+2) \times (2^{22/2}+2)) + 2) \\
&:= 3/3 + (3 \times ((3-3/3)^{33/3}+3)) \\
&:= 4 + (((4+4)/4+4) \times (4 \times 4^4+4/4)) \\
&:= 5 + (((5/5+5) \times (5-5/5)^5) + 5) \\
&:= (66/6+6) \times (6 \times (66-6) + ((6+6)/6)) \\
&:= 7/7 + (((7/7+7) \times (777-7)) - 7) \\
&:= 8 + (8 \times 8 \times (88+8) + ((8+8)/8)) \\
&:= 9 + (((99+9)/9 \times ((9+9)/9)^9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6155 &:= 11 + ((1+1+1) \times (1+1)^{11}) \\
&:= 22/2 + (2/2+2) \times 2^{22/2} \\
&:= 33/3 + (3 \times (3-3/3)^{33/3}) \\
&:= 44/4 + (4^4 \times ((4 \times 4+4)+4)) \\
&:= 5 + (55 \times 55 + 5^5) \\
&:= (6 \times (6 \times (66-6) + 666)) - 6/6 \\
&:= ((7/7+77) \times ((7+7)/7+77)) - 7 \\
&:= 88/8 + 8 \times 8 \times (88+8) \\
&:= 99 \times (9 \times 9 - 9 - 9) - (9/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6156 &:= 1 + (11 + ((1+1+1) \times (1+1)^{11})) \\
&:= (2/2+2) \times ((2^{22/2}+2)+2) \\
&:= 3 \times ((3+3) \times (333+3 \times 3)) \\
&:= (4-4/4) \times (4^4 \times (4+4)+4) \\
&:= 5 + ((55 \times 55 + 5^5) + 5/5) \\
&:= 6 \times (6 \times (66-6) + 666) \\
&:= (77/7+7) \times (7 \times 7 \times 7 - 7/7) \\
&:= ((88+8)/8) + 8 \times 8 \times (88+8) \\
&:= 9 \times ((99 \times (9 - (9+9)/9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6157 &:= 1 + (1 + (11 + ((1+1+1) \times (1+1)^{11}))) \\
&:= 2 + ((2/2+2) \times 2^{22/2} + 22/2) \\
&:= 3/3 + (3 \times ((3+3) \times (333+3 \times 3))) \\
&:= 4/4 + ((4-4/4) \times (4^4 \times (4+4)+4)) \\
&:= 5 + ((55 \times 55 + ((5+5)/5)) + 5^5) \\
&:= 6/6 + (6 \times (6 \times (66-6) + 666)) \\
&:= 7/7 + (((7/7+7) \times (7 \times 7 \times 7 - 7/7)) \\
&:= 8 \times 8 \times (88+8) + (88+8+8)/8 \\
&:= 9/9 + (9 \times ((99 \times (9 - (9+9)/9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6158 &:= 11 + ((1+1+1) \times (1+(1+1)^{11})) \\
&:= 2 + ((2/2+2) \times ((2^{22/2}+2)+2)) \\
&:= 3 + ((3 \times (3-3/3)^{33/3}) + 33/3) \\
&:= 4 + (((4+4)/4+4) \times (4 \times 4^4+4/4)) + 4 \\
&:= (55 \times (555+5)/5) - (5+5)/5 \\
&:= (6+6)/6 + (6 \times (6 \times (66-6) + 666)) \\
&:= 7 + (((7+7)/7)^7 \times (7 \times 7 - 7/7)) + 7 \\
&:= 8 + (8 \times 8 \times (88+8) - ((8+8)/8) + 8) \\
&:= (9+9)/9 + (9 \times ((99 \times (9 - (9+9)/9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6159 &:= (((111^{1+1}) - 1)/(1+1)) - 1 \\
&:= (2/2+2) \times (((2^{22/2}+2/2)+2)+2) \\
&:= 3 + (3 \times ((3+3) \times (333+3 \times 3))) \\
&:= 4 + ((4^4 \times ((4 \times 4+4)+4)) + 44/4) \\
&:= (55 \times (555+5)/5) - 5/5 \\
&:= 666/6 + ((6+6) \times (6+6) \times (6 \times 6+6)) \\
&:= ((7/7+7) \times (777-7)) - 7/7 \\
&:= 8 + (8 \times 8 \times (88+8) - 8/8 + 8) \\
&:= 9 + ((9/9+9 \times 9) \times (((9+9+9)/9) - 9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6160 &:= ((111^{1+1}) - 1)/(1+1) \\
&:= 2 \times ((2-222) \times (2-2^{2+2})) \\
&:= (3^3+3/3) \times (((3+3)^3+3/3)+3) \\
&:= 4 \times ((4 \times (4+4) \times (44+4)) + 4) \\
&:= 55 \times (555+5)/5 \\
&:= (66-66/6) \times (666+6)/6 \\
&:= (7/7+7) \times (777-7) \\
&:= 8 + (8 \times 8 \times (88+8) + 8) \\
&:= (9 - (9+9)/9) \times (9 \times 99 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6161 &:= (1 + (111^{1+1}))/ (1+1) \\
&:= (2/2+2)^{2 \times (2+2)} - (22-2)^2 \\
&:= 333 + ((3 \times (3+3))^3 - (3/3+3)) \\
&:= 4 \times 4 + ((4^4 \times ((4 \times 4+4)+4)) + 4/4) \\
&:= 5^5 + (55 \times 55 + (55/5)) \\
&:= 6 + ((6 \times (6 \times (66-6) + 666)) - 6/6) \\
&:= 7/7 + ((7/7+7) \times (777-7)) \\
&:= 8 + ((8 \times 8 \times (88+8) + 8/8) + 8) \\
&:= 9 \times 9 \times 9 \times 9 - ((99/9+9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6162 &:= 1 + ((1 + (111^{1+1}))/ (1+1)) \\
&:= 2 + (2 \times ((2-222) \times (2-2^{2+2}))) \\
&:= 333 + ((3 \times (3+3))^3 - 3) \\
&:= ((4+4)/4+4) \times ((4 \times 4^4 - 4/4) + 4) \\
&:= 5^5 + (55 \times 55 + ((55+5)/5)) \\
&:= 6 + (6 \times (6 \times (66-6) + 666)) \\
&:= (7/7+77) \times ((7+7)/7+77) \\
&:= 8 + ((8 \times 8 \times (88+8) + ((8+8)/8)) + 8) \\
&:= 9 + (((99+9)/9 \times ((9+9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6163 &:= 1 + (1 + ((1 + (111^{1+1}))/ (1+1))) \\
&:= 2 + ((2/2+2)^{2 \times (2+2)} - (22-2)^2) \\
&:= 3/3 + (((3 \times (3+3))^3 - 3) + 333) \\
&:= 4 + (((4^4 \times ((4 \times 4+4)+4)) + 44/4) + 4) \\
&:= 5^5 + (5^5 - (((5+5)/5)^5 + 55)) \\
&:= 6 + ((6 \times (6 \times (66-6) + 666)) + 6/6) \\
&:= (7 \times 7 \times (77+7 \times 7)) - 77/7 \\
&:= 8 + (8 \times 8 \times (88+8) + (88/8)) \\
&:= ((99-9/9) \times (9 \times 9 - (9+9))) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6164 &:= 1 + (1 + (1 + ((1 + (111^{1+1}))/ (1+1)))) \\
&:= 2 \times (((2-222) \times (2-2^{2+2})) + 2) \\
&:= 333 + ((3 \times (3+3))^3 - 3/3) \\
&:= 4 + ((4^4 \times ((4 \times 4+4)+4)) + 4 \times 4) \\
&:= 5 + ((55 \times (555+5)/5) - 5/5) \\
&:= 6 + ((6 \times (6 \times (66-6) + 666)) + ((6+6)/6)) \\
&:= ((7-77)/7) + (7 \times 7 \times (77+7 \times 7)) \\
&:= 8 + (8 \times 8 \times (88+8) + ((88+8)/8)) \\
&:= 9 + (99 \times (9 \times 9 - 9 - 9) - (9/9 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6165 &:= ((11 + (111^{1+1}))/ (1+1)) - 1 \\
&:= 22 + ((2/2+2) \times 2^{22/2} - 2/2) \\
&:= 333 + (3 \times (3+3))^3 \\
&:= 4 + (((4^4 \times ((4 \times 4+4)+4)) + 4 \times 4) + 4/4) \\
&:= 5 + (55 \times (555+5)/5) \\
&:= ((6 \times 6/(6+6))^{6+(6+6)/6}) - 6 \times 66 \\
&:= ((7+7)/7+7) \times ((7 \times 7 \times (7+7)) - 7/7) \\
&:= (8/8+8) \times (8 \times 88 - (88/8+8)) \\
&:= 9 + (9 \times ((99 \times (9 - (9+9)/9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6166 &:= (11 + (111^{1+1}))/ (1+1) \\
&:= 22 + (2/2+2) \times 2^{22/2} \\
&:= 3/3 + ((3 \times (3+3))^3 + 333) \\
&:= 4 + (((4+4)/4+4) \times ((4 \times 4^4 - 4/4) + 4)) \\
&:= 5 + ((55 \times (555+5)/5) + 5/5) \\
&:= 6 + ((66-66/6) \times (666+6)/6) \\
&:= (7 \times 7 \times (77+7 \times 7)) - (7/7+7) \\
&:= 8 \times 8 \times (88+8) + (88+88)/8 \\
&:= 9 + ((9 \times ((99 \times (9 - (9+9)/9)) - 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6167 &:= 1 + ((11 + (111^{1+1}))/ (1+1)) \\
&:= 22 + ((2/2+2) \times 2^{22/2} + 2/2) \\
&:= 3 + (((3 \times (3+3))^3 - 3/3) + 333) \\
&:= ((4-4/4) + 4) \times ((4/4+4)^4 + 4^4) \\
&:= 5 + ((55 \times 55 + ((55+5)/5)) + 5^5) \\
&:= 66/6 + (6 \times (6 \times (66-6) + 666)) \\
&:= (7 \times 7 \times (77+7 \times 7)) - 7 \\
&:= (8-8/8) \times ((888-8) + 8/8) \\
&:= (9 - (9+9)/9) \times (9 \times 99 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6168 &:= 1 + (1 + ((11 + (111^{1+1}))/ (1 + 1))) \\
&:= (22 + 2) \times (2^{2 \times (2+2)} + 2/2) \\
&:= 3 + ((3 \times (3 + 3))^3 + 333) \\
&:= ((4 + 4)/4 + 4) \times (4 \times 4^4 + 4) \\
&:= (5/5 + 5) \times (((5 - 5/5)^5 - 5/5) + 5) \\
&:= 6 + ((6 \times (6 \times (66 - 6) + 666)) + 6) \\
&:= 7/7 + ((7 \times 7 \times (77 + 7 \times 7)) - 7) \\
&:= 8 + ((8 \times 8 \times (88 + 8) + 8) + 8) \\
&:= (9 - 9/9) \times (9 \times 99 - (999/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6169 &:= 1 + (1 + (1 + ((11 + (111^{1+1}))/ (1 + 1)))) \\
&:= 22 + ((2/2 + 2) \times (2^{22/2} + 2/2)) \\
&:= 3 + (((3 \times (3 + 3))^3 + 333) + 3/3) \\
&:= 4/4 + (((4 + 4)/4 + 4) \times (4 \times 4^4 + 4)) \\
&:= 5 \times 5 + ((5/5 + 5) \times (5 - 5/5)^5) \\
&:= 6 + (((6 \times (6 \times (66 - 6) + 666)) + 6/6) + 6) \\
&:= 7 + ((7/7 + 77) \times ((7 + 7)/7 + 77)) \\
&:= 8 + (((8 \times 8 \times (88 + 8) + 8/8) + 8) + 8) \\
&:= 9 + ((9 - (9 + 9)/9) \times (9 \times 99 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6170 &:= 11 + (((111^{1+1}) - 1)/ (1 + 1)) - 1 \\
&:= 2 + ((22 + 2) \times (2^{2 \times (2+2)} + 2/2)) \\
&:= 3 + (((3 \times (3 + 3))^3 - 3/3) + 333) + 3 \\
&:= (44 - 4)/4 \times ((4/4 + 4)^4 - (4 + 4)) \\
&:= 5^5 + (5^5 - (5 \times 5 + 55)) \\
&:= 6666 - (((6 + 6)/6)^6 + (6 \times (66 + 6))) \\
&:= 7 + ((7 \times 7 \times (77 + 7 \times 7)) - (77/7)) \\
&:= 8 + (((8 \times 8 \times (88 + 8) + (8 + 8)/8) + 8) + 8) \\
&:= (9/9 + 9) \times (9 \times 9 \times 9 - ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6171 &:= 11 + (((111^{1+1}) - 1)/ (1 + 1)) \\
&:= (2/2 + 2) \times ((2^{22/2} - 2) + 22/2) \\
&:= 3 + (((3 \times (3 + 3))^3 + 333) + 3) \\
&:= 44/4 \times ((4/4 + 4)^4 - 4 \times 4 \times 4) \\
&:= 55/5 \times ((555 + 5/5) + 5) \\
&:= (66/6 + 6) \times 66 \times 66/(6 + 6) \\
&:= 77/7 + ((7/7 + 7) \times (777 - 7)) \\
&:= 8 + ((8 \times 8 \times (88 + 8) + (88/8)) + 8) \\
&:= 9 + (((99 + 9)/9 \times ((9 + 9)/9)^9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6172 &:= 11 + ((1 + (111^{1+1}))/ (1 + 1)) \\
&:= 2 \times ((222 \times (2^{2+2} - 2)) - 22) \\
&:= (3 - 3/3) \times (((3 \times (3 + 3)) + 3)^3 - 3)/3 \\
&:= 4 + (((4 + 4)/4 + 4) \times (4 \times 4^4 + 4)) \\
&:= 5^5 + (((5 + 5)/5 - (5 \times 5 + 55)) + 5^5) \\
&:= 6 + (((66 - 66/6) \times (666 + 6)/6) + 6) \\
&:= (7 \times 7 \times (77 + 7 \times 7)) - (7 + 7)/7 \\
&:= 8 + ((8 \times 8 \times (88 + 8) + ((88 + 8)/8)) + 8) \\
&:= ((99 - 9/9) \times (9 \times 9 - (9 + 9))) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6173 &:= 1 + (11 + ((1 + (111^{1+1}))/ (1 + 1))) \\
&:= ((2^{2+2} - 2) \times ((22 - 2/2)^2)) - 2/2 \\
&:= (3 \times ((3 + 3) \times ((3/3 + 3 + 3)^3))) - 3/3 \\
&:= 4 + (((4 + 4)/4 + 4) \times (4 \times 4^4 + 4)) + 4/4 \\
&:= 5555 + ((5^5 - 5 - 5)/5 - 5) \\
&:= ((6/6 + 6) \times (666 + 6 \times 6 \times 6)) - 6/6 \\
&:= (7 \times 7 \times (77 + 7 \times 7)) - 7/7 \\
&:= 8 + ((8/8 + 8) \times (8 \times 88 - (88/8 + 8))) \\
&:= ((99 - 9/9) \times (9 \times 9 - (9 + 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6174 &:= (1 + 1 + 1) \times (11 + ((1 + 1)^{11} - 1)) \\
&:= (2^{2+2} - 2) \times ((22 - 2/2)^2) \\
&:= 3 \times ((3 + 3) \times ((3/3 + 3 + 3)^3)) \\
&:= ((4 + 4)/4 + 4) \times ((4 \times 4^4 + 4/4) + 4) \\
&:= (5/5 + 5) \times ((5 - 5/5)^5 + 5) \\
&:= (6/6 + 6) \times (666 + 6 \times 6 \times 6) \\
&:= 7 \times 7 \times (77 + 7 \times 7) \\
&:= (8 - 8/8) \times (((8 + 8)/8) - 8) + 888 \\
&:= (99 - 9/9) \times (9 \times 9 - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6175 &:= 1 + ((1 + 1 + 1) \times (11 + ((1 + 1)^{11} - 1))) \\
&:= 2/2 + ((2^{2+2} - 2) \times ((22 - 2/2)^2)) \\
&:= (3 \times (3 + 3))^3 + ((3/3 + 3 + 3)^3) \\
&:= (4 + 4)^4 + ((4 + 4) \times (4^4 + 4) - 4/4) \\
&:= 5 \times 5 + (55 \times 55 + 5^5) \\
&:= 6/6 + ((6/6 + 6) \times (666 + 6 \times 6 \times 6)) \\
&:= 7/7 + (7 \times 7 \times (77 + 7 \times 7)) \\
&:= (8/8 + 8 \times 8) \times (88 - 8/8 + 8) \\
&:= 9/9 + ((99 - 9/9) \times (9 \times 9 - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6176 &:= ((1 + 1 + 1) \times (11 + (1 + 1)^{11})) - 1 \\
&:= 2 + ((2^{2+2} - 2) \times ((22 - 2/2)^2)) \\
&:= 333 + ((3 \times (3 + 3))^3 + 33/3) \\
&:= (4 + 4) \times ((4 \times (4 \times (44 + 4))) + 4) \\
&:= 5555 + ((5^5 + 5)/5 - 5) \\
&:= (6 + 6)/6 + ((6/6 + 6) \times (666 + 6 \times 6 \times 6)) \\
&:= (7 + 7)/7 + (7 \times 7 \times (77 + 7 \times 7)) \\
&:= 8 + (((8 \times 8 \times (88 + 8) + 8) + 8) + 8) \\
&:= 9 + ((9 - (9 + 9)/9) \times (9 \times 99 - (9/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6177 &:= (1 + 1 + 1) \times (11 + (1 + 1)^{11}) \\
&:= (2/2 + 2) \times (2^{22/2} + 22/2) \\
&:= 3 + (3 \times ((3 + 3) \times ((3/3 + 3 + 3)^3))) \\
&:= 4/4 + ((4 + 4) \times (4^4 + 4) + (4 + 4)^4) \\
&:= 5555 + ((5^5 + 5 + 5)/5 - 5) \\
&:= 6 + ((66/6 + 6) \times 66 \times 66/(6 + 6)) \\
&:= (7 + 7 + 7)/7 + (7 \times 7 \times (77 + 7 \times 7)) \\
&:= (8/8 - 88) \times (8/8 - (8 \times 8 + 8)) \\
&:= (9 \times 9 - (9/9 + 9)) \times (99 - (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6178 &:= 1 + ((1 + 1 + 1) \times (11 + (1 + 1)^{11})) \\
&:= ((2 \times 2 \times (22 - 2))^2) - 222 \\
&:= 3 + (((3/3 + 3 + 3)^3) + (3 \times (3 + 3))^3) \\
&:= 4 + (((4 + 4)/4 + 4) \times ((4 \times 4^4 + 4/4) + 4)) \\
&:= 5555 + (5^5 - 5 - 5)/5 \\
&:= ((6 + 6)/6) \times (((6 - 6/6)^{6-6/6} - 6 \times 6) \\
&:= 77/7 + ((7 \times 7 \times (77 + 7 \times 7)) - 7) \\
&:= 8/8 + ((8/8 - 88) \times (8/8 - (8 \times 8 + 8))) \\
&:= 9 \times 9 \times (9 \times 9 + 9) - (9999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6179 &:= 1 + (1 + ((1 + 1 + 1) \times (11 + (1 + 1)^{11}))) \\
&:= 2 + ((2/2 + 2) \times (2^{22/2} + 22/2)) \\
&:= (3 \times ((33/3)^3 + 3^{3+3})) - 3/3 \\
&:= 4 + (((4 + 4) \times (4^4 + 4) - 4/4) + (4 + 4)^4) \\
&:= 5555 + (5^5 - 5)/5 \\
&:= (6 \times (((6 + 6)/6)^{(66-6)/6} + 6)) - 6/6 \\
&:= 7 + ((7 \times 7 \times (77 + 7 \times 7)) - ((7 + 7)/7)) \\
&:= 8 + (((8 \times 8 \times (88 + 8) + (88/8)) + 8) + 8) \\
&:= 9 \times 9 \times (9 \times 9 + 9) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6180 &:= (1 + 1 + 1) \times (1 + (11 + (1 + 1)^{11})) \\
&:= 2 + (((2 \times 2 \times (22 - 2))^2) - 222) \\
&:= 3 \times ((33/3)^3 + 3^{3+3}) \\
&:= 4 + ((4 + 4) \times (4^4 + 4) + (4 + 4)^4) \\
&:= 5^5/5 + 5555 \\
&:= 6 \times (((6 + 6)/6)^{(66-6)/6} + 6) \\
&:= 7 + ((7 \times 7 \times (77 + 7 \times 7)) - 7/7) \\
&:= ((88 + 8)/8) \times ((8 \times 8 \times 8 - 8) + (88/8)) \\
&:= (9/9 + 9) \times (9 \times 9 \times 9 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6181 &:= 1 + ((1 + 1 + 1) \times (1 + (11 + (1 + 1)^{11}))) \\
&:= (22^2 \times (22/2 + 2)) - 222/2 \\
&:= 3/3 + (3 \times ((33/3)^3 + 3^{3+3})) \\
&:= 4 + (((4 + 4) \times (4^4 + 4) + (4 + 4)^4) + 4/4) \\
&:= 5555 + (5^5 + 5)/5 \\
&:= 6/6 + (6 \times (((6 + 6)/6)^{(66-6)/6} + 6)) \\
&:= 7 + (7 \times 7 \times (77 + 7 \times 7)) \\
&:= (8 - 8/8) \times ((88/8 - (8 + 8)) + 888) \\
&:= (9 - (9 + 9)/9) \times ((9 \times 99 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6182 &:= 11 \times (1 + ((11 + 1111)/ (1 + 1))) \\
&:= ((2/2 + 2) \times 2222) - 22^2 \\
&:= (3 \times ((3 \times 3 + 3)^3 + 333)) - 3/3 \\
&:= 44 + (((4 + 4)/4 + 4) \times (4 \times 4^4 - 4/4)) \\
&:= 5555 + (5^5 + 5 + 5)/5 \\
&:= 66/6 \times (((6666 + 6)/(6 + 6) + 6) \\
&:= 7 + ((7 \times 7 \times (77 + 7 \times 7)) + 7/7) \\
&:= 8 + ((8 - 8/8) \times (((8 + 8)/8) - 8) + 888) \\
&:= (((9 + 9)/9)^9) + 9 \times (9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6183 &:= (1+1+1) \times (1+(1+(11+(1+1)^{11}))) \\
&:= (2/2+2) \times ((2^{22/2}+22/2)+2) \\
&:= 3 \times ((3 \times 3+3)^3+333) \\
&:= 44 + ((4^4 \times ((4 \times 4+4)+4)) - (4/4+4)) \\
&:= 5 + ((5^5-5-5)/5+5555) \\
&:= 6 \times 666 + ((6 \times 6/(6+6))^{6/6+6}) \\
&:= 7 + ((7 \times 7 \times (77+7 \times 7)) + ((7+7)/7)) \\
&:= 8 + ((8/8+8 \times 8) \times (88-8/8+8)) \\
&:= 9 + ((99-9/9) \times (9 \times 9 - (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6184 &:= 1 + ((1+1+1) \times (1+(1+(11+(1+1)^{11})))) \\
&:= 2 + (((2/2+2) \times 2222) - 22^2) \\
&:= 3/3 + (3 \times ((3 \times 3+3)^3+333)) \\
&:= 44 + ((4^4 \times ((4 \times 4+4)+4)) - 4) \\
&:= 5 + (5555 + (5^5-5)/5) \\
&:= ((6+6)/6)^6 + ((66-6) \times (6 \times 6+66)) \\
&:= (7/7+7) \times ((777-77/7)+7) \\
&:= 88 \times (8 \times 8+8) - (8 \times 8+88) \\
&:= 9 + (((99-9/9) \times (9 \times 9 - (9+9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6185 &:= 11 + ((1+1+1) \times (11 + ((1+1)^{11} - 1))) \\
&:= 2 + ((2/2+2) \times ((2^{22/2}+22/2)+2)) \\
&:= 3 + (3 \times ((3 \times 3+3)^3+333)) - 3/3 \\
&:= 4^4 + (((4-4/4)^4-4)^{(4+4)/4}) \\
&:= 5 + (5555 + 5^5/5) \\
&:= 66 + (((66-6) \times (6 \times 6+66)) - 6/6) \\
&:= 77/7 + (7 \times 7 \times (77+7 \times 7)) \\
&:= 8 + ((8/8-88) \times (8/8 - (8 \times 8+8))) \\
&:= 99/9 + ((99-9/9) \times (9 \times 9 - (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6186 &:= (1+1+1) \times (1+(1+(1+(11+(1+1)^{11})))) \\
&:= ((2^{2+2}-2) \times (2 \times 222-2)) - 2 \\
&:= 3 + (3 \times ((3 \times 3+3)^3+333)) \\
&:= 44 + ((4^4 \times ((4 \times 4+4)+4)) - (4+4)/4) \\
&:= 5 + (5555 + (5^5+5)/5) \\
&:= 66 + ((66-6) \times (6 \times 6+66)) \\
&:= (77+7)/7 + (7 \times 7 \times (77+7 \times 7)) \\
&:= (8-(8+8)/8) \times ((8 \times 8 \times (8+8) - 8/8) + 8) \\
&:= 9 + ((9 \times 9 - (9/9+9)) \times (99 - (99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6187 &:= 11 + (((1+1+1) \times (11+(1+1)^{11})) - 1) \\
&:= ((2^{2+2}-2) \times (2 \times 222-2)) - 2/2 \\
&:= 3 + ((3 \times ((3 \times 3+3)^3+333)) + 3/3) \\
&:= 44 + ((4^4 \times ((4 \times 4+4)+4)) - 4/4) \\
&:= 5 + ((5^5+5+5)/5+5555) \\
&:= 66 + (((66-6) \times (6 \times 6+66)) + 6/6) \\
&:= 7 + (((7 \times 7 \times (77+7 \times 7)) - 7/7) + 7) \\
&:= 8 \times 8 \times 88 + (8888-8)/(8+8) \\
&:= 9 + (9 \times 9 \times (9 \times 9+9) - (9999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6188 &:= 11 + ((1+1+1) \times (11+(1+1)^{11})) \\
&:= (2^{2+2}-2) \times (2 \times 222-2) \\
&:= (3/3+3) \times ((33/3)^3+(3+3)^3) \\
&:= 44 + (4^4 \times ((4 \times 4+4)+4)) \\
&:= 5^5 + (((5-5^5)/5)/(5+5)) + 5^5 \\
&:= 6 + ((66/6) \times ((6666+6)/(6+6)+6)) \\
&:= 7 + ((7 \times 7 \times (77+7 \times 7)) + 7) \\
&:= (8-8/8) \times (888-8 \times 8/(8+8)) \\
&:= 9 + (9 \times 9 \times (9 \times 9+9) - 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6189 &:= 1 + (11 + ((1+1+1) \times (11+(1+1)^{11}))) \\
&:= 2/2 + (((2^{2+2}-2) \times (2 \times 222-2)) \\
&:= 3 \times (((33/3)^3+3^{3+3})+3) \\
&:= 44 + ((4^4 \times ((4 \times 4+4)+4)) + 4/4) \\
&:= 5^5 + (5^5 - ((55+5)/5) + 5) \\
&:= ((6-6 \times 6) \times (6-6 \times 6 \times 6)) - 666/6 \\
&:= 7 + (((7 \times 7 \times (77+7 \times 7)) + 7/7) + 7) \\
&:= (8 \times (8 \times (88+8) + 8)) - (88/8+8) \\
&:= 9 + ((9/9+9) \times (9 \times 9 \times 9 - 999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6190 &:= 1 + (1 + (11 + ((1+1+1) \times (11+(1+1)^{11})))) \\
&:= ((22+2) \times (2^{2 \times (2+2)}+2)) - 2 \\
&:= 3/3 + (3 \times (((33/3)^3+3^{3+3})+3)) \\
&:= 44 + ((4^4 \times ((4 \times 4+4)+4)) + (4+4)/4) \\
&:= 5^5 + (5^5 - (55+5)) \\
&:= 6 + (((66-6) \times (6 \times 6+66)) + ((6+6)/6)^6) \\
&:= 7 + (((7 \times 7 \times (77+7 \times 7)) + ((7+7)/7)) + 7) \\
&:= (8-88)/8 + ((8 \times (8 \times (88+8) + 8)) - 8) \\
&:= 9 + ((9 - (9+9)/9) \times ((9 \times 99 - 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6191 &:= 11 + ((1+1+1) \times (1+(11+(1+1)^{11}))) \\
&:= ((22+2) \times (2^{2 \times (2+2)}+2)) - 2/2 \\
&:= ((3+3) \times (3 \times 333+33)) - 3/3 \\
&:= (((4+4)+4) \times ((4^4+4^4)+4)) - 4/4 \\
&:= 5^5 + ((5^5 - (55+5)) + 5/5) \\
&:= (6 \times ((6 \times (66-6) + 666) + 6)) - 6/6 \\
&:= 7 + ((7 \times 7 \times (77+7 \times 7)) + ((77-7)/7)) \\
&:= 888/8 + (8 \times (8 \times (88+8) - 8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 99) + ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6192 &:= (1+11)^{1+1} \times (((1+1) \times (11+11)) - 1) \\
&:= (22+2) \times (2^{2 \times (2+2)}+2) \\
&:= (3+3) \times (3 \times 333+33) \\
&:= ((4+4)+4) \times ((4^4+4^4)+4) \\
&:= 5^5 + (((5+5)/5 - (55+5)) + 5^5) \\
&:= 6 \times ((6 \times (66-6) + 666) + 6) \\
&:= (77/7+7) \times (7 \times 7 \times 7 + 7/7) \\
&:= (8/8+8) \times (8 \times 88 - (8+8)) \\
&:= 9 + (((99-9/9) \times (9 \times 9 - (9+9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6193 &:= 11 \times (1 + (1 + ((11+1111)/(1+1)))) \\
&:= 2/2 + ((22+2) \times (2^{2 \times (2+2)}+2)) \\
&:= 3/3 + ((3+3) \times (3 \times 333+33)) \\
&:= 4/4 + (((4+4)+4) \times ((4^4+4^4)+4)) \\
&:= 5^5 + (5^5 - ((5+5)/5+55)) \\
&:= 6/6 + (6 \times ((6 \times (66-6) + 666) + 6)) \\
&:= 7 \times 7 + (((7+7)/7)^7 \times (7 \times 7 - 7/7)) \\
&:= 8/8 + ((8/8+8) \times (8 \times 88 - (8+8))) \\
&:= 9 + (((99-9/9) \times (9 \times 9 - (9+9))) + 9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6194 &:= 1 + (11 \times (1 + (1 + ((11+1111)/(1+1)))))) \\
&:= 2 + ((22+2) \times (2^{2 \times (2+2)}+2)) \\
&:= (3 \times (3+3))^3 + ((33 \times 33 - 3)/3) \\
&:= 44 + (((4+4)/4+4) \times (4 \times 4^4 + 4/4)) \\
&:= 5^5 + (5^5 - (55+5/5)) \\
&:= (6+6)/6 + (6 \times ((6 \times (66-6) + 666) + 6)) \\
&:= (7 \times (7 \times ((7+7)/7)^7)) - 7/7 - 77 \\
&:= ((8-8/8) \times (888 - ((8+8)/8))) - 8 \\
&:= (9/9+9+9) \times ((9+9) \times (9+9) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6195 &:= 111 + ((111 - (11 \times (1+1+1)))^{1+1}) \\
&:= 2 + (((22+2) \times (2^{2 \times (2+2)}+2)) + 2/2) \\
&:= 3 + ((3+3) \times (3 \times 333+33)) \\
&:= 4 + (((4+4)+4) \times ((4^4+4^4)+4)) - 4/4 \\
&:= 5^5 + (5^5 - 55) \\
&:= (6 \times 6 - 6/6) \times (666/6+66) \\
&:= (7 \times (7 \times ((7+7)/7)^7)) - 77 \\
&:= (8-8/8) \times (888 - 88/8+8) \\
&:= (9 - (9+9)/9) \times (((9+9+9)/9) - 9) + 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6196 &:= 1 + (111 + ((111 - (11 \times (1+1+1)))^{1+1})) \\
&:= 2 + (((22+2) \times (2^{2 \times (2+2)}+2)) + 2) \\
&:= (3 \times (3+3))^3 + ((33 \times 33+3)/3) \\
&:= 4 + (((4+4)+4) \times ((4^4+4^4)+4)) \\
&:= 5^5 + ((5^5 - 55) + 5/5) \\
&:= 6 \times 6 + ((66-66/6) \times (666+6)/6) \\
&:= 7/7 + ((7 \times (7 \times ((7+7)/7)^7)) - 77) \\
&:= (8 \times (8 \times (88+8) + 8)) - (88+8)/8 \\
&:= 9 \times 9 \times 9 \times 9 - ((9 \times 9 \times 9+9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6197 &:= 11 + ((1+1+1) \times (1+(1+(1+(11+(1+1)^{11})))))) \\
&:= (((2/2+2)^{2+2} - 2)^2) - (2 \times 22) \\
&:= 3 + (((33 \times 33 - 3)/3) + (3 \times (3+3))^3) \\
&:= 4 + (((4+4)+4) \times ((4^4+4^4)+4)) + 4/4 \\
&:= 5^5 + (((5+5)/5 - 55) + 5^5) \\
&:= 6666 - (6 \times (66+6+6) + 6/6) \\
&:= (7+7)/7 + ((7 \times (7 \times ((7+7)/7)^7)) - 77) \\
&:= (8 \times (8 \times (88+8) + 8)) - 88/8 \\
&:= 9 \times 9 \times 9 \times 9 + ((9-9 \times 9 \times 9)/(9+9))
\end{aligned}$$

- ▶ **6198** := $(1+1+1) \times ((1+1)^{11} + (1+1) \times (11-1-1))$
:= $2 + (((22+2) \times (2^{2 \times (2+2)} + 2)) + 2) + 2$
:= $33 + ((3 \times (3+3))^3 + 333)$
:= $((4+4)/4+4) \times (((4 \times 4^4 + 4/4) + 4) + 4)$
:= $(5+5)/5 \times (5^5 - (5 \times 5 + 5/5))$
:= $6666 - 6 \times (66+6+6)$
:= $((7/7+7) \times 777) - (77/7+7)$
:= $(8-88)/8 + (8 \times (8 \times (88+8) + 8))$
:= $9 \times 9 \times 9 \times 9 - (99 \times 99/(9+9+9))$
- ▶ **6199** := $11 + (11 + ((1+1+1) \times (11 + (1+1)^{11})))$
:= $2 + (((2/2+2)^{2+2} - 2^2) - (2 \times 22))$
:= $3 + (((33 \times 33 + 3)/3) + (3 \times (3+3))^3)$
:= $44 + ((4^4 \times ((4 \times 4 + 4) + 4)) + 44/4)$
:= $((5+5) \times (5^5/5 - 5)) - 5/5$
:= $6/6 + (6666 - 6 \times (66+6+6))$
:= $7 + ((77/7+7) \times (7 \times 7 \times 7 + 7/7))$
:= $(8 \times (8 \times (88+8) + 8)) - (8/8+8)$
:= $9 + (((9-9+9)/9) \times ((9 \times 99 - 9) + 9/9)) + 9$
- ▶ **6200** := $(11-1)^{1+1} \times (1 + ((1+11^{1+1})/(1+1)))$
:= $(2-22) \times ((22 \times (2-2^{2+2})) - 2)$
:= $(3/3+3) \times (((33/3)^3 + (3+3)^3) + 3)$
:= $(44-4) \times (444/4+44)$
:= $(5+5) \times (5^5/5-5)$
:= $(6 \times (6 \times (6 \times (6 \times 6 - 6) - 6))) - ((6+6)/6)^6$
:= $(7/7+7) \times (777 - ((7+7)/7))$
:= $(8 \times (8 \times (88+8) + 8)) - 8$
:= $(9/9+9) \times (((9+9)/9)^9 + 99) + 9$
- ▶ **6201** := $(1+1+1) \times ((1+1)^{11} + ((1+1) \times (11-1)) - 1)$
:= $(2 \times (2-22)) + (((2/2+2)^{2+2} - 2)^2)$
:= $(33+3+3) \times ((3+3) \times 3^3 - 3)$
:= $4/4 + ((44-4) \times (444/4+44))$
:= $5/5 + ((5+5) \times (5^5/5-5))$
:= $6 + ((6 \times 6 - 6/6) \times (666/6+66))$
:= $((7/7+7) \times (777-7/7)) - 7$
:= $8/8 + ((8 \times (8 \times (88+8) + 8)) - 8)$
:= $9 \times (((9-9 \times 9 \times 9)/(9+9)) + 9 \times 9 \times 9)$
- ▶ **6202** := $(1+(1+1+11)) \times (((1+1) \times (1+1) \times 111) - 1)$
:= $(2^{2+2} - 2) \times (((22-2/2)^2) + 2)$
:= $3^3 + (((3/3+3+3)^3) + (3 \times (3+3))^3)$
:= $((44-4)/4+4) \times (444-4/4)$
:= $(5+5)/5 + ((5+5) \times (5^5/5-5))$
:= $((6+6)/6) \times ((66 \times (66/6+6 \times 6)) - 6/6)$
:= $((7/7+7) \times 777) - (7+7)$
:= $(8-8/8) \times (888 - ((8+8)/8))$
:= $9 \times 9 \times (9 \times 9 + 9) + (9 - 99 \times 99)/9$
- ▶ **6203** := $(111 \times (1+111)/(1+1)) - 1 - 1 - 11$
:= $22/2 + ((22+2) \times (2^{2 \times (2+2)} + 2))$
:= $33/3 + ((3+3) \times (3 \times 333+33))$
:= $44/4 + (((4+4) + 4) \times ((4^4+4^4) + 4))$
:= $5 + ((5+5)/5 \times (5^5 - (5 \times 5 + 5/5)))$
:= $6666 - ((6 \times 66+66) + 6/6)$
:= $7/7 + (((7/7+7) \times 777) - (7+7))$
:= $8 + ((8-8/8) \times (888 - 88/8+8))$
:= $9 + ((9/9+9+9) \times ((9+9) \times (9+9) + ((9+9)/9)))$
- ▶ **6204** := $11 \times (((1+1) \times (1+11))^{1+1}) - (1+11)$
:= $2 \times (22 \times (((22/2)^2 - 2) + 22))$
:= $33 \times ((3+3)^3 - (3^3+3/3))$
:= $44 \times (4^4 - (444/4+4))$
:= $5 + (((5+5) \times (5^5/5-5)) - 5/5)$
:= $66 \times (((6+6)/6)^6 - 6) + 6 \times 6$
:= $(7-7/7) \times (7777/7-77)$
:= $(8-8/8) \times 888 - (88+8)/8$
:= $99/9 \times ((9999-9)/(9+9)+9)$
- ▶ **6205** := $(111 \times (1+111)/(1+1)) - 11$
:= $(22/2)^2 + (2 \times 2 \times (22-2) - 2)^2$
:= $3/3 + (33 \times ((3+3)^3 - (3^3+3/3)))$
:= $((4-4/4)^{4+4}) - ((4+4) \times 44+4)$
:= $5 + ((5+5) \times (5^5/5-5))$
:= $6/6 + (66 \times (((6+6)/6)^6 - 6) + 6 \times 6)$
:= $((7/7+7) \times 777) - 77/7$
:= $(8-8/8) \times 888 - 88/8$
:= $((9-9/9)+9) \times ((9 \times 9 \times 9 \times 9)/(9+9))$
- ▶ **6206** := $1 + ((111 \times (1+111)/(1+1)) - 11)$
:= $2 + (2 \times (22 \times (((22/2)^2 - 2) + 22)))$
:= $(3 \times (3+3))^3 + (33/3 \times (3/3+33))$
:= $((44-4)/4 \times (4/4+4)^4) - 44$
:= $5 + (((5+5) \times (5^5/5-5)) + 5/5)$
:= $6666 - (((6+6)/6)^6 + 6 \times 66)$
:= $((7-77)/7) + ((7/7+7) \times 777)$
:= $(8 \times (8 \times (88+8) + 8)) - (8+8)/8$
:= $9 + (((9-9 \times 9 \times 9)/(9+9)) + 9 \times 9 \times 9 \times 9)$
- ▶ **6207** := $(1+1+1) \times (11 + (11 + ((1+1)^{11} - 1)))$
:= $(2/2+2) \times ((2^{22/2} - 2/2) + 22)$
:= $((3^3+3) \times ((3+3)^3 - 3 \times 3)) - 3$
:= $(4+4)^4 + (44 \times (44+4) - 4/4)$
:= $5 + (((5+5) \times (5^5/5-5)) + ((5+5)/5))$
:= $6 + (((6 \times 6 - 6/6) \times (666/6+66)) + 6)$
:= $7 + ((7/7+7) \times (777 - ((7+7)/7)))$
:= $(8 \times (8 \times (88+8) + 8)) - 8/8$
:= $9 \times (9 \times 9 \times 9 - 9 - 9 - 9) - 999/9$
- ▶ **6208** := $1 + ((1+1+1) \times (11 + (11 + ((1+1)^{11} - 1))))$
:= $2 \times (2^{2+2} \times (((2^{2+2} - 2)^2) - 2))$
:= $((3/3+3)^3) \times (((3/3+3)^3) + 33)$
:= $4 \times (((4+4)/4+4)^4 + 4^4)$
:= $5^5 + (5^5 - (((5+5)/5)^5 + 5) + 5)$
:= $((6+6)/6)^6 \times ((66-6+6/6) + 6 \times 6)$
:= $(7/7+7) \times (777-7/7)$
:= $8 \times (8 \times (88+8) + 8)$
:= $(9-9/9) \times ((9-9/9) \times (99 - ((9+9)/9)))$
- ▶ **6209** := $((1+1+1) \times (11 + (11 + (1+1)^{11}))) - 1$
:= $(2/2+2)^{2 \times (2+2)} - (22 \times 2^{2+2})$
:= $((3^3+3) \times ((3+3)^3 - 3 \times 3)) - 3/3$
:= $((4-4/4)^{4+4}) - (4+4) \times 44$
:= $((5+5) \times ((5^5+5)/5 - 5)) - 5/5$
:= $6 + (6666 - ((6 \times 66+66) + 6/6))$
:= $((7/7+7) \times 777) - 7$
:= $8/8 + (8 \times (8 \times (88+8) + 8))$
:= $9 + ((9/9+9) \times (((9+9)/9)^9 + 99) + 9)$
- ▶ **6210** := $(1+1+1) \times (11 + (11 + (1+1)^{11}))$
:= $(2/2+2) \times (2^{22/2} + 22)$
:= $(3^3+3) \times ((3+3)^3 - 3 \times 3)$
:= $(44-4)/4 \times ((4/4+4)^4 - 4)$
:= $(5+5) \times ((5^5+5)/5 - 5)$
:= $6 + (66 \times (((6+6)/6)^6 - 6) + 6 \times 6)$
:= $7/7 + (((7/7+7) \times 777) - 7)$
:= $(8+8)/8 + (8 \times (8 \times (88+8) + 8))$
:= $(9-99) \times ((99+9)/9 - 9 \times 9)$
- ▶ **6211** := $1 + ((1+1+1) \times (11 + (11 + (1+1)^{11})))$
:= $2/2 + ((2/2+2) \times (2^{22/2} + 22))$
:= $3/3 + ((3^3+3) \times ((3+3)^3 - 3 \times 3))$
:= $4 + ((44 \times (44+4) - 4/4) + (4+4)^4)$
:= $5/5 + ((5+5) \times ((5^5+5)/5 - 5))$
:= $6666 + ((6/6+6) \times (6/6 - 66))$
:= $(7+7)/7 + (((7/7+7) \times 777) - 7)$
:= $88/8 + ((8 \times (8 \times (88+8) + 8)) - 8)$
:= $(9 \times ((9 \times 9 \times 9 + 9) + 9)) - ((9+9)/9)^9$
- ▶ **6212** := $1 + (1 + ((1+1+1) \times (11 + (11 + (1+1)^{11}))))$
:= $2 \times ((222 \times (2^{2+2} - 2)) - 2)$
:= $3 + (((3^3+3) \times ((3+3)^3 - 3 \times 3)) - 3/3)$
:= $4 + (44 \times (44+4) + (4+4)^4)$
:= $(5+5)/5 + ((5+5) \times ((5^5+5)/5 - 5))$
:= $6 + (6666 - (((6+6)/6)^6 + 6 \times 66))$
:= $7 + (((7/7+7) \times 777) - (77/7))$
:= $8 \times 8/(8+8) + (8 \times (8 \times (88+8) + 8))$
:= $((9/9+9 \times 9)^{(9+9)/9}) - ((9+9)/9)^9$

$$\begin{aligned}
\blacktriangleright 6213 &:= (1+1+1) \times (1+(11+(11+(1+1)^{11}))) \\
&:= 2/2 + (2 \times ((222 \times (2^{2+2} - 2)) - 2)) \\
&:= 3 + ((3^3 + 3) \times ((3+3)^3 - 3 \times 3)) \\
&:= 4 + (((4-4/4)^{4+4}) - (4+4) \times 44) \\
&:= 5^5 + (5^5 - (((5+5)/5)^5 + 5)) \\
&:= ((6/6+6+6)+6) \times (666/6+6 \times 6 \times 6) \\
&:= ((7/7+7) \times 777) - (7+7+7)/7 \\
&:= 8 + ((8-8/8) \times 888 - (88/8)) \\
&:= 9 + ((99/9) \times ((9999-9)/(9+9)+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6214 &:= (111 \times (1+111)/(1+1)) - 1 - 1 \\
&:= (2 \times (222 \times (2^{2+2} - 2))) - 2 \\
&:= (3^3 - 3/3) \times (((3^{3+3} - 3)/3) - 3) \\
&:= 4 + ((44-4)/4 \times ((4/4+4)^4 - 4)) \\
&:= 5^5 + (5^5 - (55/5+5 \times 5)) \\
&:= (((6+6)/6) \times ((6-6/6)^{6-6/6})) - 6 \times 6 \\
&:= ((7/7+7) \times 777) - (7+7)/7 \\
&:= (8-8/8) \times 888 - (8+8)/8 \\
&:= 9999/9 + (9 \times (9 \times (9 \times 9 - (9+9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6215 &:= (111 \times (1+111)/(1+1)) - 1 \\
&:= 22/2 \times (((22+2)^2) - 22/2) \\
&:= 33/3 \times (((3 \times 3+3)^3 - 33)/3) \\
&:= (444 \times ((44-4)/4+4)) - 4/4 \\
&:= 5 + ((5+5) \times ((5^5+5)/5-5)) \\
&:= (66-66/6) \times (((666+6)+6)/6) \\
&:= ((7/7+7) \times 777) - 7/7 \\
&:= (8-8/8) \times 888 - 8/8 \\
&:= 99/9 \times (((9999+9)/(9+9))+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6216 &:= 111 \times (1+111)/(1+1) \\
&:= 2 \times (222 \times (2^{2+2} - 2)) \\
&:= (3/3+3+3) \times ((33 \times 3^3) - 3) \\
&:= 444 \times ((44-4)/4+4) \\
&:= (55+5/5) \times 555/5 \\
&:= 6 \times (((6+6)/6)^{(66-6/6)} + 6) + 6 \\
&:= (7/7+7) \times 777 \\
&:= (8-8/8) \times 888 \\
&:= 999/9 \times ((999+9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6217 &:= 1 + (111 \times (1+111)/(1+1)) \\
&:= 2/2 + (2 \times (222 \times (2^{2+2} - 2))) \\
&:= 3 + ((3^3 - 3/3) \times (((3^{3+3} - 3)/3) - 3)) \\
&:= 4/4 + (444 \times ((44-4)/4+4)) \\
&:= 5^5 + (5^5 - (((5+5)/5)^5 + 5/5)) \\
&:= (6 \times ((6 \times (6 \times (6 \times 6 - 6) - 6)) - 6)) - 66/6 \\
&:= 7/7 + ((7/7+7) \times 777) \\
&:= 8/8 + (8-8/8) \times 888 \\
&:= 99 \times (9 \times 9 - 9 - 9) - (99/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6218 &:= 1 + (1 + (111 \times (1+111)/(1+1))) \\
&:= 2 + (2 \times (222 \times (2^{2+2} - 2))) \\
&:= (3 \times 3 \times 3^{3+3}) - ((3/3+3+3)^3) \\
&:= 4 + (((44-4)/4 \times ((4/4+4)^4 - 4)) + 4) \\
&:= 5^5 + (5^5 - ((5+5)/5)^5) \\
&:= 6666 - ((6/6+6) \times ((6+6)/6)^6) \\
&:= (7+7)/7 + ((7/7+7) \times 777) \\
&:= (8+8)/8 + (8-8/8) \times 888 \\
&:= 99 \times (9 \times 9 - 9 - 9) - (9/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6219 &:= 1 + (1 + (1 + (111 \times (1+111)/(1+1)))) \\
&:= (((2/2+2)^{2+2} - 2)^2) - 22 \\
&:= 3 \times ((3 \times (3^{3+3} - 3^3)) - 33) \\
&:= 4444 + (4 \times 444 - 4/4) \\
&:= 5^5 + (5^5 - ((5 \times 5+5/5) + 5)) \\
&:= 6 \times (666+6) + ((6 \times 6/(6+6))^{6/6+6}) \\
&:= (7+7+7)/7 + ((7/7+7) \times 777) \\
&:= 88/8 + (8 \times (8 \times (88+8) + 8)) \\
&:= 99 \times (9 \times 9 - 9 - 9) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6220 &:= ((11^{1+1} + (111^{1+1}))/ (1+1)) - 1 \\
&:= 2 \times ((222 \times (2^{2+2} - 2)) + 2) \\
&:= 3/3 + (3 \times ((3 \times (3^{3+3} - 3^3)) - 33)) \\
&:= 4444 + 4 \times 444 \\
&:= 5^5 + (5^5 - (5 \times 5 + 5)) \\
&:= (((6+6)/6)^{6+6}) + (6 \times (6 \times (66-6) - 6)) \\
&:= 77/7 + (((7/7+7) \times 777) - 7) \\
&:= ((88+8)/8) + (8 \times (8 \times (88+8) + 8)) \\
&:= 9/9 + (99 \times (9 \times 9 - 9 - 9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6221 &:= (11^{1+1} + (111^{1+1}))/ (1+1) \\
&:= 2 + (((2/2+2)^{2+2} - 2)^2) - 22 \\
&:= 3 + ((3 \times 3 \times 3^{3+3}) - ((3/3+3+3)^3)) \\
&:= 4/4 + (4444 + 4 \times 444) \\
&:= 5 + ((55+5/5) \times 555/5) \\
&:= 666 + (6-6/6) \times 6666/6 \\
&:= 7 + (((7/7+7) \times 777) - ((7+7)/7)) \\
&:= 88 + (8 \times 8 \times (88+8) - (88/8)) \\
&:= ((9 - (9+9)/9) \times (9 \times 99 - 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6222 &:= 1 + ((11^{1+1} + (111^{1+1}))/ (1+1)) \\
&:= 2 + (2 \times (222 \times (2^{2+2} - 2)) + 2) \\
&:= (3/3+33) \times ((3+3)^3 - 33) \\
&:= (4+4)/4 + (4444 + 4 \times 444) \\
&:= 5^5 + (((5+5)/5 - (5 \times 5 + 5)) + 5^5) \\
&:= (66/6+6) \times (6 \times (66-6) + 6) \\
&:= 7 + (((7/7+7) \times 777) - 7/7) \\
&:= 8 + ((8-8/8) \times 888 - ((8+8)/8)) \\
&:= (999/9-9) \times (9 \times 9 - (99/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6223 &:= 1 + (1 + ((11^{1+1} + (111^{1+1}))/ (1+1))) \\
&:= 2 + (((((2/2+2)^{2+2} - 2)^2) - 22) + 2) \\
&:= 3/3 + ((3/3+33) \times ((3+3)^3 - 33)) \\
&:= 4 + ((4 \times 444 - 4/4) + 4444) \\
&:= 5 + ((5^5 - ((5+5)/5)^5) + 5^5) \\
&:= 6/6 + ((66/6+6) \times (6 \times (66-6) + 6)) \\
&:= 7 + ((7/7+7) \times 777) \\
&:= (8-8/8) \times (888+8/8) \\
&:= (9 - (9+9)/9) \times (9 \times 99 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6224 &:= (11 \times (((1+1) \times (1+11))^{1+1})) - (1+111) \\
&:= 2 \times (((222 \times (2^{2+2} - 2)) + 2) + 2) \\
&:= (3 \times 3 \times 3^{3+3}) - ((333+3/3) + 3) \\
&:= 4 + (4444 + 4 \times 444) \\
&:= 5^5 + (5^5 - (5 \times 5 + 5/5)) \\
&:= (((66-6)/6) + 6) \times (6 \times 66 - (6/6+6)) \\
&:= (7/7+7) \times (777+7/7) \\
&:= 8 + (8-8/8) \times 888 \\
&:= 9 \times (9 \times 9 \times 9 - 9) - (((9+9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6225 &:= (11 \times (((1+1) \times (1+11))^{1+1})) - 111 \\
&:= (((2/2+2)^{2+2} - 2)^2) - 2^{2+2} \\
&:= 3 \times ((3-3/3)^{33/3} + 3^3) \\
&:= (4-4/4)^4 + (4^4 \times ((4 \times 4+4) + 4)) \\
&:= 5^5 + (5^5 - 5 \times 5) \\
&:= (66 \times (6 \times 6 - 6 + 66)) - 666/6 \\
&:= 7 + (((7/7+7) \times 777) + ((7+7)/7)) \\
&:= 8 + ((8-8/8) \times 888 + 8/8) \\
&:= 9 \times 9 + ((99+9)/9 \times ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6226 &:= 11 \times (11 + ((1111-1)/(1+1))) \\
&:= 22 \times (((((22+2)^2) - 2)/2) - (2+2)) \\
&:= (33 \times ((3+3)^3 - 3^3)) - 33/3 \\
&:= 4 \times 4 + ((44-4)/4 \times ((4/4+4)^4 - 4)) \\
&:= 5^5 + ((5/5 - 5 \times 5) + 5^5) \\
&:= (((6+6)/6) \times (((6-6/6)^{6-6/6}) - (6+6))) \\
&:= ((77-7)/7) + ((7/7+7) \times 777) \\
&:= 8 + ((8-8/8) \times 888 + ((8+8)/8)) \\
&:= 99 \times (9 \times 9 - 9 - 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6227 &:= 11 + (111 \times (1+111)/(1+1)) \\
&:= 2 + (((2/2+2)^{2+2} - 2)^2) - 2^{2+2} \\
&:= (3 \times 3 \times 3^{3+3}) - (333+3/3) \\
&:= 44/4 + (444 \times ((44-4)/4+4)) \\
&:= 5^5 + (((5+5)/5 - 5 \times 5) + 5^5) \\
&:= (6 \times ((6 \times (6 \times (6 \times 6 - 6) - 6)) - 6)) - 6/6 \\
&:= 77/7 + ((7/7+7) \times 777) \\
&:= 88/8 + (8-8/8) \times 888 \\
&:= 99 \times (9 \times 9 - 9 - 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6228 &:= 1 + (11 + (111 \times (1 + 111)/(1 + 1))) \\
&:= 2 \times ((2 \times (22 + 2 + 2 + 2))^2 - 22) \\
&:= (3 \times 3 \times 3^{3+3}) - 333 \\
&:= (4 - 4/4) \times ((4 + 4) \times (4^4 + 4) - 4) \\
&:= (5 + 5)/5 \times (5^5 - (55/5)) \\
&:= 6 \times ((6 \times (6 \times (6 \times 6 - 6) - 6)) - 6) \\
&:= (77 + 7)/7 + ((7/7 + 7) \times 777) \\
&:= (8/8 + 8) \times (8 \times 88 - ((88 + 8)/8)) \\
&:= 99 \times (9 \times 9 - 9 - 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6229 &:= 1 + (1 + (11 + (111 \times (1 + 111)/(1 + 1)))) \\
&:= (((2/2 + 2)^{2+2} - 2)^2) - (2 \times (2 + 2 + 2)) \\
&:= 3/3 + ((3 \times 3 \times 3^{3+3}) - 333) \\
&:= ((4^4 + 4) \times ((4 \times 4 + 4) + 4)) - 44/4 \\
&:= 5 + ((5^5 - (5 \times 5 + 5/5)) + 5^5) \\
&:= 6/6 + (6 \times ((6 \times (6 \times (6 \times 6 - 6) - 6)) - 6)) \\
&:= 7 + (((7/7 + 7) \times 777) - 7/7) + 7 \\
&:= ((88 + 8) \times (8/8 + 8 \times 8)) - 88/8 \\
&:= 9/9 + (99 \times (9 \times 9 - 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6230 &:= (11 - 1) \times (111 + (1 + 1)^{11-1-1}) \\
&:= (2^{2+2} - 2) \times (2 \times 222 + 2/2) \\
&:= (3/3 + 3 + 3) \times ((33 \times 3^3) - 3/3) \\
&:= ((44 - 4)/4 + 4) \times (444 + 4/4) \\
&:= 5 + ((5^5 - 5 \times 5) + 5^5) \\
&:= (6 + 6)/6 + (6 \times ((6 \times (6 \times (6 \times 6 - 6) - 6)) - 6)) \\
&:= 7 + (((7/7 + 7) \times 777) + 7) \\
&:= (8 - 8/8) \times (888 + ((8 + 8)/8)) \\
&:= (9 - (9 + 9)/9) \times (9 \times 99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6231 &:= 1 + ((11 - 1) \times (111 + (1 + 1)^{11-1-1})) \\
&:= ((2 - 22)/2) + (((2/2 + 2)^{2+2} - 2)^2) \\
&:= 3 + ((3 \times 3 \times 3^{3+3}) - 333) \\
&:= 4^4 \times (4 \times 4 + 4) + 4444/4 \\
&:= 5 + (((5/5 - 5 \times 5) + 5^5) + 5^5) \\
&:= 666/6 + ((66 - 6) \times (6 \times 6 + 66)) \\
&:= 7 + ((7/7 + 7) \times (777 + 7/7)) \\
&:= 8 + ((8 - 8/8) \times (888 + 8/8)) \\
&:= 9/9 + ((9 - (9 + 9)/9) \times (9 \times 99 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6232 &:= 11 + ((11^{1+1} + (111^{1+1}))/ (1 + 1)) \\
&:= 2 + ((2^{2+2} - 2) \times (2 \times 222 + 2/2)) \\
&:= 3 + (((3 \times 3 \times 3^{3+3}) - 333) + 3/3) \\
&:= ((4^4 + 4) \times ((4 \times 4 + 4) + 4)) - 4 - 4 \\
&:= (5 + 5)/5 \times ((5/5 - 5 - 5) + 5^5) \\
&:= 6666 - ((6 \times (66 + 6)) + ((6 + 6)/6)) \\
&:= (7/7 + 7) \times (((7 + 7)/7) + 777) \\
&:= 88 + 8 \times 8 \times (88 + 8) \\
&:= ((9 \times 9 - ((9 + 9)/9))^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6233 &:= (1 + (((111^{1+1}) + (1 + 11)^{1+1})) / (1 + 1)) \\
&:= (((2/2 + 2)^{2+2} - 2)^2) - 2 \times (2 + 2) \\
&:= (33 \times ((3 + 3)^3 - 3^3)) - (3/3 + 3) \\
&:= ((4 - 4/4)^4 \times ((4 - 4/4)^4 - 4)) - 4 \\
&:= 5 + ((5 + 5)/5 \times (5^5 - (55/5))) \\
&:= 6666 - ((6 \times (66 + 6)) + 6/6) \\
&:= 7 + (((7/7 + 7) \times 777) + ((77 - 7)/7)) \\
&:= 8/8 + (8 \times 8 \times (88 + 8) + 88) \\
&:= 9/9 + (((9 \times 9 - ((9 + 9)/9))^{(9+9)/9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6234 &:= (1 + 1 + 1) \times ((1 + 1)^{11} + ((11 - 1) \times (1 + 1 + 1))) \\
&:= 22 + (2 \times ((222 \times (2^{2+2} - 2)) - 2)) \\
&:= (33 \times ((3 + 3)^3 - 3^3)) - 3 \\
&:= ((4 + 4)/4 + 4) \times (4 \times (4^4 + 4) - 4/4) \\
&:= 5^5 + (5^5 - (55/5 + 5)) \\
&:= 6666 - (6 \times (66 + 6)) \\
&:= (((7 + 7)/7 + 77)^{(7+7)/7}) - 7 \\
&:= 88 + (8 \times 8 \times (88 + 8) + ((8 + 8)/8)) \\
&:= 99 \times (9 \times 9 - 9 - 9) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6235 &:= (1 + (1 + 11)^{1+1}) \times (((1 + 1) \times (11 + 11)) - 1) \\
&:= (((2/2 + 2)^{2+2} - 2)^2) - 2 - 2 - 2 \\
&:= 3/3 + ((33 \times ((3 + 3)^3 - 3^3)) - 3) \\
&:= (44 - 4/4) \times (4^4 - 444/4) \\
&:= 5^5 + (5^5 - (5 + 5 + 5)) \\
&:= 6/6 + (6666 - (6 \times (66 + 6))) \\
&:= 7 + (((7/7 + 7) \times 777) + (77 + 7)/7) \\
&:= 8 + ((8 - 8/8) \times 888 + (88/8)) \\
&:= 99 \times (9 \times 9 - 9 - 9) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6236 &:= (11 \times (11 + ((1 + 1111)/(1 + 1)))) - 1 \\
&:= 2 \times ((2 \times (2 \times (222 + 2))) + 2222) \\
&:= (33 \times ((3 + 3)^3 - 3^3)) - 3/3 \\
&:= ((4^4 + 4) \times ((4 \times 4 + 4) + 4)) - 4 \\
&:= 5^5 + ((5/5 - (5 + 5 + 5)) + 5^5) \\
&:= (6 + 6)/6 + (6666 - (6 \times (66 + 6))) \\
&:= (77 \times ((7/7 - 7) + 77)) - 7/7 \\
&:= 8 + ((8 - 8/8) \times 888 + ((88 + 8)/8)) \\
&:= 99 \times (9 \times 9 - 9 - 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6237 &:= 11 \times (11 + ((1 + 1111)/(1 + 1))) \\
&:= (((2/2 + 2)^{2+2} - 2)^2) - 2 - 2 \\
&:= 33 \times ((3 + 3)^3 - 3^3) \\
&:= (4 - 4/4)^4 \times ((4 - 4/4)^4 - 4) \\
&:= 5^5 + (5^5 - (55 + 5 + 5)/5) \\
&:= 6 + (((66 - 6) \times (6 \times 6 + 66)) + 666/6) \\
&:= 77 \times ((7/7 - 7) + 77) \\
&:= (8/8 + 8) \times (8 \times 88 - (88/8)) \\
&:= 99 \times (9 \times 9 - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6238 &:= 1 + (11 \times (11 + ((1 + 1111)/(1 + 1)))) \\
&:= 22 + (2 \times (222 \times (2^{2+2} - 2))) \\
&:= 3/3 + (33 \times ((3 + 3)^3 - 3^3)) \\
&:= ((4^4 + 4) \times ((4 \times 4 + 4) + 4)) - (4 + 4)/4 \\
&:= 5^5 + (5^5 - ((55 + 5)/5)) \\
&:= ((6 + 6)/6) \times (((6 - 6/6)^{6-6/6}) - 6) \\
&:= 7 + (((7/7 + 7) \times (777 + 7/7)) + 7) \\
&:= 8 + ((8 - 8/8) \times (888 + ((8 + 8)/8))) \\
&:= 9/9 + 99 \times (9 \times 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6239 &:= (((11 - 1 - 1)^{1+1} - (1 + 1))^{1+1}) - 1 - 1 \\
&:= (((2/2 + 2)^{2+2} - 2)^2) - 2 \\
&:= 3 + ((33 \times ((3 + 3)^3 - 3^3)) - 3/3) \\
&:= ((4^4 + 4) \times ((4 \times 4 + 4) + 4)) - 4/4 \\
&:= 5^5 + (5^5 - (55/5)) \\
&:= 6 + (6666 - ((6 \times (66 + 6)) + 6/6)) \\
&:= 7 + ((7/7 + 7) \times (((7 + 7)/7) + 777)) \\
&:= ((88 + 8) \times (8/8 + 8 \times 8)) - 8/8 \\
&:= (9 + 9)/9 + 99 \times (9 \times 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6240 &:= (((11 - 1 - 1)^{1+1} - (1 + 1))^{1+1}) - 1 \\
&:= (22 + 2) \times ((2^{2 \times (2+2)} + 2) + 2) \\
&:= 3 + (33 \times ((3 + 3)^3 - 3^3)) \\
&:= (4^4 + 4) \times ((4 \times 4 + 4) + 4) \\
&:= 5^5 + (5^5 - 5 - 5) \\
&:= 6 + (6666 - (6 \times (66 + 6))) \\
&:= (7/7 + 7) \times (((7 + 7 + 7)/7) + 777) \\
&:= (88 + 8) \times (8/8 + 8 \times 8) \\
&:= (9 - 9/9) \times (9 \times 99 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6241 &:= ((11 - 1 - 1)^{1+1} - (1 + 1))^{1+1} \\
&:= ((2/2 + 2)^{2+2} - 2)^2 \\
&:= ((3 \times 3^3 - 3) + 3/3)^{3-3/3} \\
&:= 4/4 + ((4^4 + 4) \times ((4 \times 4 + 4) + 4)) \\
&:= 5^5 + ((5/5 - 5 - 5) + 5^5) \\
&:= (66 + 6/6 + 6 + 6)^{(6+6)/6} \\
&:= ((7 + 7)/7 + 77)^{(7+7)/7} \\
&:= (88 - (8/8 + 8))^{(8+8)/8} \\
&:= (9 \times 9 - ((9 + 9)/9))^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6242 &:= 1 + (((11 - 1 - 1)^{1+1} - (1 + 1))^{1+1}) \\
&:= 2/2 + (((2/2 + 2)^{2+2} - 2)^2) \\
&:= 3 + (((33 \times ((3 + 3)^3 - 3^3)) - 3/3) + 3) \\
&:= (4 + 4)/4 + ((4^4 + 4) \times ((4 \times 4 + 4) + 4)) \\
&:= (5 + 5)/5 \times ((5/5 - 5) + 5^5) \\
&:= 6/6 + ((66 + 6/6 + 6 + 6)^{(6+6)/6}) \\
&:= 7/7 + (((7 + 7)/7 + 77)^{(7+7)/7}) \\
&:= 8/8 + ((88 - (8/8 + 8))^{(8+8)/8}) \\
&:= 9/9 + ((9 \times 9 - ((9 + 9)/9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6243 &:= 1 + (1 + (((11 - 1 - 1)^{1+1} - (1 + 1))^{1+1})) \\
&:= 2 + (((2/2 + 2)^{2+2} - 2)^2) \\
&:= 3 + ((33 \times ((3 + 3)^3 - 3^3)) + 3) \\
&:= 4 + (((4^4 + 4) \times ((4 \times 4 + 4) + 4)) - 4/4) \\
&:= 5^5 + (5^5 - ((5 + 5)/5 + 5)) \\
&:= (6 + 6)/6 + ((66 + 6/6 + 6 + 6)^{(6+6)/6}) \\
&:= 7 + ((77 \times ((77/7 - 7) + 77)) - 7/7) \\
&:= 88 + (8 \times 8 \times (88 + 8) + (88/8)) \\
&:= 99 + ((99 + 9)/9 \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6244 &:= 111 + (((1 + 1 + 1) \times (1 + 1)^{11}) - 11) \\
&:= (2^{2+2} - 2) \times (2 \times 222 + 2) \\
&:= 3 + (((3 \times 3^3 - 3) + 3/3)^{3-3/3}) \\
&:= 4 + ((4^4 + 4) \times ((4 \times 4 + 4) + 4)) \\
&:= 5^5 + (5^5 - (5/5 + 5)) \\
&:= (((6 + 6)/6) \times ((6 - 6/6)^{6-6/6}) - 6) \\
&:= 7 + (77 \times ((77/7 - 7) + 77)) \\
&:= (8 - 8/8) \times (8 \times 8/(8 + 8) + 888) \\
&:= (9 - (9 + 9)/9) \times (9 \times 99 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6245 &:= 1 + (111 + (((1 + 1 + 1) \times (1 + 1)^{11}) - 11)) \\
&:= 2 + (((2/2 + 2)^{2+2} - 2)^2) + 2) \\
&:= 3 \times 3 + ((33 \times ((3 + 3)^3 - 3^3)) - 3/3) \\
&:= 4 + (((4^4 + 4) \times ((4 \times 4 + 4) + 4)) + 4/4) \\
&:= 5^5 + (5^5 - 5) \\
&:= 66/6 + (6666 - (6 \times (66 + 6))) \\
&:= 7 + (((7/7 + 7) \times (777 + 7/7)) + 7) + 7) \\
&:= 8 + ((8/8 + 8) \times (8 \times 88 - (88/8))) \\
&:= 9 + (99 \times (9 \times 9 - 9 - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6246 &:= 111 + (((1 + 1 + 1) \times ((1 + 1)^{11} - (1 + 1 + 1))) \\
&:= 2 + ((2^{2+2} - 2) \times (2 \times 222 + 2)) \\
&:= 3 \times (3 \times (33 \times ((3 \times (3 + 3)) + 3))) + 3) \\
&:= ((44 - 4)/4 \times (4/4 + 4)^4) - 4 \\
&:= 5^5 + ((5/5 - 5) + 5^5) \\
&:= 6 + ((6666 - (6 \times (66 + 6))) + 6) \\
&:= 7 + (((7/7 + 7) \times (((7 + 7)/7) + 777)) + 7) \\
&:= (8/8 + 8) \times ((8 - 88)/8 + 8 \times 88) \\
&:= 9 + 99 \times (9 \times 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6247 &:= 111 + (((1 + 1 + 1) \times (1 + (1 + 1)^{11})) - 11) \\
&:= 2 + (((((2/2 + 2)^{2+2} - 2)^2) + 2) + 2) \\
&:= (3^3 \times 333) - (33/3 + 3)^3 \\
&:= 4 + (((4^4 + 4) \times ((4 \times 4 + 4) + 4)) - 4/4) + 4) \\
&:= 5^5 + (((5 + 5)/5 - 5) + 5^5) \\
&:= 6 + ((66 + 6/6 + 6 + 6)^{(6+6)/6}) \\
&:= 7 + ((7/7 + 7) \times (((7 + 7)/7) + 777)) \\
&:= 88 \times (8 \times 8 + 8) - (8/8 + 88) \\
&:= 9 + (99 \times (9 \times 9 - 9 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6248 &:= 11 \times (1 + (11 + ((1 + 1111)/(1 + 1)))) \\
&:= 2 \times (22 \times (((2 \times (2 + 2 + 2))^2) - 2)) \\
&:= 33/3 + (33 \times ((3 + 3)^3 - 3^3)) \\
&:= 4 + (((4^4 + 4) \times ((4 \times 4 + 4) + 4)) + 4) \\
&:= 5^5 + (5^5 - ((5 + 5)/5)) \\
&:= ((6 + 6)/6) \times (((6 - 6/6)^{6-6/6}) - 6/6) \\
&:= 7 + (((7 + 7)/7 + 77)^{(7+7)/7}) \\
&:= 88 \times ((8 \times 8 - 8/8) + 8) \\
&:= 99/9 + 99 \times (9 \times 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6249 &:= 111 + ((1 + 1 + 1) \times ((1 + 1)^{11} - (1 + 1))) \\
&:= 2 \times (2 + 2) + (((2/2 + 2)^{2+2} - 2)^2) \\
&:= 3 + ((33 \times ((3 + 3)^3 - 3^3)) + 3 \times 3) \\
&:= ((44 - 4)/4 \times (4/4 + 4)^4) - 4/4 \\
&:= 5^5 + (5^5 - 5/5) \\
&:= (((6 + 6)/6) \times ((6 - 6/6)^{6-6/6}) - 6/6) \\
&:= 7 + (((7 + 7)/7 + 77)^{(7+7)/7}) + 7/7) \\
&:= 8 + ((88 - (8/8 + 8))^{(8+8)/8}) \\
&:= (99 + 9)/9 + 99 \times (9 \times 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6250 &:= (11 - 1) \times (1 + (1 + 1) \times (1 + 11))^{1+1} \\
&:= 2 \times ((2/2 + 2 + 2)^{2/2+2+2}) \\
&:= 3 + ((3^3 \times 333) - (33/3 + 3)^3) \\
&:= (44 - 4)/4 \times (4/4 + 4)^4 \\
&:= 5^5 + 5^5 \\
&:= ((6 + 6)/6) \times ((6 - 6/6)^{6-6/6}) \\
&:= 77 + ((7 \times 7 \times (77 + 7 \times 7)) - 7/7) \\
&:= (8 + 8)/8 + (88 \times ((8 \times 8 - 8/8) + 8)) \\
&:= 9 + ((9 \times 9 - (9 + 9)/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6251 &:= 1 + ((11 - 1) \times (1 + (1 + 1) \times (1 + 11))^{1+1}) \\
&:= 2 + (((2/2 + 2)^{2+2} - 2)^2) + 2 \times (2 + 2)) \\
&:= 3 + ((33 \times ((3 + 3)^3 - 3^3)) + 33/3) \\
&:= 4/4 + (((44 - 4)/4 \times (4/4 + 4)^4) \\
&:= 5^5 + (5^5 + 5/5) \\
&:= 6/6 + (((6 + 6)/6) \times ((6 - 6/6)^{6-6/6}) \\
&:= 77 + (7 \times 7 \times (77 + 7 \times 7)) \\
&:= 88/8 + ((88 + 8) \times (8/8 + 8 \times 8)) \\
&:= (9 - (9 + 9)/9) \times (((9 + 9)/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6252 &:= 111 + (((1 + 1 + 1) \times ((1 + 1)^{11} - 1)) \\
&:= 2 + (2 \times ((2/2 + 2 + 2)^{2/2+2+2})) \\
&:= (3 \times ((3 \times (3^{3+3} - 33)) - 3)) - 3 \\
&:= (4 - 4/4) \times ((4 + 4) \times (4^4 + 4) + 4) \\
&:= 5^5 + ((5 + 5)/5 + 5^5) \\
&:= (6 \times (6 \times (6 \times (6 \times 6 - 6) - 6))) - 6 - 6 \\
&:= 7/7 + ((7 \times 7 \times (77 + 7 \times 7)) + 77) \\
&:= ((88 + 8)/8) \times ((8 \times 8 \times 8 + 8/8) + 8) \\
&:= (99 + 9)/9 \times (((9 + 9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6253 &:= 1 + (111 + ((1 + 1 + 1) \times ((1 + 1)^{11} - 1))) \\
&:= (22/2 + 2) \times (22^2 - (2/2 + 2)) \\
&:= (3 \times (3 \times (3^{3+3} - 33))) - 33/3 \\
&:= 4 + (((44 - 4)/4 \times (4/4 + 4)^4) - 4/4) \\
&:= 5 + ((5^5 - ((5 + 5)/5)) + 5^5) \\
&:= (6 \times (6 \times (6 \times (6 \times 6 - 6) - 6))) - 66/6 \\
&:= 77 + ((7 \times 7 \times (77 + 7 \times 7)) + ((7 + 7)/7)) \\
&:= ((8/8 + 8) \times (8 \times 88 - 8)) - 88/8 \\
&:= 9 + ((9 - (9 + 9)/9) \times (9 \times 99 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6254 &:= 111 + (((1 + 1 + 1) \times (1 + 1)^{11}) - 1) \\
&:= 2 \times (((2/2 + 2 + 2)^{2/2+2+2}) + 2) \\
&:= (3 \times ((3 \times (3^{3+3} - 33)) - 3)) - 3/3 \\
&:= 4 + (((44 - 4)/4 \times (4/4 + 4)^4) \\
&:= 5 + ((5^5 - 5/5) + 5^5) \\
&:= (6 - 66)/6 + (6 \times (6 \times (6 \times (6 \times 6 - 6) - 6))) \\
&:= (7 \times (7 \times ((7 + 7)/7)^7)) - (77/7 + 7) \\
&:= 8 \times 8 \times (88 + 8) + (888 - 8)/8 \\
&:= 9 + ((99 \times (9 \times 9 - 9 - 9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6255 &:= 111 + ((1 + 1 + 1) \times (1 + 1)^{11}) \\
&:= 2 + ((22/2 + 2) \times (22^2 - (2/2 + 2))) \\
&:= 3 \times ((3 \times (3^{3+3} - 33)) - 3) \\
&:= 444/4 + (4^4 \times ((4 \times 4 + 4) + 4)) \\
&:= 5 + (5^5 + 5^5) \\
&:= 6 + (((6 + 6)/6) \times ((6 - 6/6)^{6-6/6}) - 6/6) \\
&:= 7 + (((7 + 7)/7 + 77)^{(7+7)/7}) + 7) \\
&:= (8/8 + 8) \times (8 \times 88 - (8/8 + 8)) \\
&:= 9 + (99 \times (9 \times 9 - 9 - 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6256 &:= 1 + (111 + ((1 + 1 + 1) \times (1 + 1)^{11})) \\
&:= 2 \times (2 \times (2^{22/2} - 22^2)) \\
&:= 3/3 + (3 \times ((3 \times (3^{3+3} - 33)) - 3)) \\
&:= 4 \times (((4^4 + 4) \times ((4 + 4)/4 + 4)) + 4) \\
&:= 5 + ((5^5 + 5^5) + 5/5) \\
&:= 6 + (((6 + 6)/6) \times ((6 - 6/6)^{6-6/6})) \\
&:= (7/7 + 7) \times ((777 - ((7 + 7)/7)) + 7) \\
&:= 8 + (88 \times ((8 \times 8 - 8/8) + 8)) \\
&:= 9 + ((99 \times (9 \times 9 - 9 - 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6257 &:= 1 + (1 + (111 + ((1 + 1 + 1) \times (1 + 1)^{11}))) \\
&:= 2^{2+2} + (((2/2 + 2)^{2+2} - 2)^2) \\
&:= 3 + ((3 \times ((3 \times (3^{3+3} - 33)) - 3)) - 3/3) \\
&:= (4/4 + 4)^4 + (4 \times 4 \times (4 + 4) \times 44) \\
&:= 5 + (((5 + 5)/5 + 5^5) + 5^5) \\
&:= (6 \times (6 \times (6 \times (6 \times 6 - 6) - 6))) - 6/6 - 6 \\
&:= 7 \times 7 + ((7/7 + 7) \times (777 - 7/7)) \\
&:= 8 + (((88 - (8/8 + 8))^{(8+8)/8}) + 8) \\
&:= 9 + (99 \times (9 \times 9 - 9 - 9) + 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6258 &:= 111 + ((1 + 1 + 1) \times (1 + (1 + 1)^{11})) \\
&:= 2 + (2 \times (2 \times (2^{22/2} - 22^2))) \\
&:= 3 + (3 \times ((3 \times (3^{3+3} - 33)) - 3)) \\
&:= 4 + (((44 - 4)/4 \times (4/4 + 4)^4) + 4) \\
&:= (5 + 5)/5 \times ((5^5 - 5/5) + 5) \\
&:= (6 \times (6 \times (6 \times (6 \times 6 - 6) - 6))) - 6 \\
&:= (7 \times (7 \times ((7 + 7)/7)^7)) - (7 + 7) \\
&:= (8 - 8/8) \times ((888 - (8 + 8)/8) + 8) \\
&:= 9 + (99 \times (9 \times 9 - 9 - 9) + (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6259 &:= 1 + (111 + ((1 + 1 + 1) \times (1 + (1 + 1)^{11}))) \\
&:= 2 + (((2/2 + 2)^{2+2} - 2)^2) + 2^{2+2} \\
&:= 3 + ((3 \times ((3 \times (3^{3+3} - 33)) - 3)) + 3/3) \\
&:= 4 + ((4^4 \times ((4 \times 4 + 4) + 4)) + 444/4) \\
&:= 5 + (((5^5 - 5/5) + 5^5) + 5) \\
&:= 6/6 + ((6 \times (6 \times (6 \times (6 \times 6 - 6) - 6))) - 6) \\
&:= 7/7 + ((7 \times (7 \times ((7 + 7)/7)^7)) - (7 + 7)) \\
&:= 88/8 + (88 \times ((8 \times 8 - 8/8) + 8)) \\
&:= 9 + (((9 \times 9 - ((9 + 9)/9))^{(9+9)/9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6260 &:= (((1 + 111)^{1+1})/(1 + 1)) - 1 - 11 \\
&:= 2 \times (2 \times (2^{22/2} - 22^2)) + 2 \\
&:= (3 \times (3 \times (3^{3+3} - 33))) - (3/3 + 3) \\
&:= 4 + (((4^4 + 4) \times ((4 \times 4 + 4) + 4)) + 4 \times 4) \\
&:= 5 + (5^5 + 5^5 + 5) \\
&:= (6 + 6)/6 + ((6 \times (6 \times (6 \times (6 \times 6 - 6) - 6))) - 6) \\
&:= (7 \times (7 \times ((7 + 7)/7)^7)) - (77 + 7)/7 \\
&:= 8 + (((88 + 8)/8) \times ((8 \times 8 \times 8 + 8/8) + 8)) \\
&:= 9 + ((9 - (9 + 9)/9) \times (((9 + 9)/9) + 9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6261 &:= (((1 + 111)^{1+1})/(1 + 1)) - 11 \\
&:= 22 + (((2/2 + 2)^{2+2} - 2)^2) - 2 \\
&:= (3 \times (3 \times (3^{3+3} - 33))) - 3 \\
&:= ((4 - 4/4)^{4+4}) - (44 + 4^4) \\
&:= 5^5 + (55/5 + 5^5) \\
&:= (6 \times (6 \times (6 \times (6 \times 6 - 6) - 6))) - 6 \times 6/(6 + 6) \\
&:= (7 \times (7 \times ((7 + 7)/7)^7)) - 77/7 \\
&:= 88 \times (8 \times 8 + 8) - (88/8 + 8 \times 8) \\
&:= 9 + ((99 + 9)/9 \times (((9 + 9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6262 &:= 1 + (((1 + 111)^{1+1})/(1 + 1)) - 11 \\
&:= (22/2 + 2) \times (22^2 - 2) - 2 - 2 \\
&:= 3/3 + ((3 \times (3 \times (3^{3+3} - 33))) - 3) \\
&:= 4 + (((44 - 4)/4 \times (4/4 + 4)^4) + 4) + 4 \\
&:= 5^5 + (((55 + 5)/5) + 5^5) \\
&:= ((6 + 6)/6) \times (((6 - 6/6)^{6-6/6}) + 6) \\
&:= ((7 - 77)/7) + (7 \times (7 \times ((7 + 7)/7)^7)) \\
&:= ((8/8 + 8) \times (8 \times 88 - 8)) - (8 + 8)/8 \\
&:= 9 + (((9 - (9 + 9)/9) \times (9 \times 99 + 9/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6263 &:= 1 + (1 + (((1 + 111)^{1+1})/(1 + 1)) - 11) \\
&:= 22 + (((2/2 + 2)^{2+2} - 2)^2) \\
&:= (3 \times (3 \times (3^{3+3} - 33))) - 3/3 \\
&:= (((4 + 4)/4 + 4) \times (4 \times (4^4 + 4) + 4)) - 4/4 \\
&:= 5 + ((5 + 5)/5 \times ((5^5 - 5/5) + 5)) \\
&:= (6 \times (6 \times (6 \times (6 \times 6 - 6) - 6))) - 6/6 \\
&:= (7 \times (7 \times ((7 + 7)/7)^7)) - ((7 + 7)/7 + 7) \\
&:= ((8/8 + 8) \times (8 \times 88 - 8)) - 8/8 \\
&:= (((9 + 9)/9)^9) + 9 \times (9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6264 &:= (1 + 11) \times (11 + ((1 + 1)^{11-1-1} - 1)) \\
&:= (22/2 + 2) \times (22^2 - 2) - 2 \\
&:= 3 \times (3 \times (3^{3+3} - 33)) \\
&:= ((4 + 4)/4 + 4) \times (4 \times (4^4 + 4) + 4) \\
&:= 5 + (((5^5 - 5/5) + 5^5) + 5) + 5 \\
&:= 6 \times (6 \times (6 \times (6 \times 6 - 6) - 6)) \\
&:= (7/7 + 7) \times ((777 - 7/7) + 7) \\
&:= (8/8 + 8) \times (8 \times 88 - 8) \\
&:= 9 + ((99 \times (9 \times 9 - 9 - 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6265 &:= 11^{1+1} + ((1 + 1 + 1) \times (1 + 1)^{11}) \\
&:= 2 + (((2/2 + 2)^{2+2} - 2)^2) + 22 \\
&:= 3/3 + (3 \times (3 \times (3^{3+3} - 33))) \\
&:= 4 + (((4 - 4/4)^{4+4}) - (44 + 4^4)) \\
&:= 5 + ((5^5 + 5^5 + 5) + 5) \\
&:= 6/6 + (6 \times (6 \times (6 \times (6 \times 6 - 6) - 6))) \\
&:= (7 \times (7 \times ((7 + 7)/7)^7)) - 7 \\
&:= 8/8 + ((8/8 + 8) \times (8 \times 88 - 8)) \\
&:= 9 + (((99 \times (9 \times 9 - 9 - 9) + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6266 &:= (((1 + 111)^{1+1}) - (1 + 11))/(1 + 1) \\
&:= (22/2 + 2) \times (22^2 - 2) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} - 33))) - 3/3) \\
&:= 4 \times 4 + ((44 - 4)/4 \times (4/4 + 4)^4) \\
&:= 5 + ((55/5 + 5^5) + 5^5) \\
&:= (6 + 6)/6 + (6 \times (6 \times (6 \times (6 \times 6 - 6) - 6))) \\
&:= 7/7 + ((7 \times (7 \times ((7 + 7)/7)^7)) - 7) \\
&:= (8 + 8)/8 + ((8/8 + 8) \times (8 \times 88 - 8)) \\
&:= 9 + ((99 \times (9 \times 9 - 9 - 9) + 99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6267 &:= (1 + (((1 + 111)^{1+1}) - 11))/(1 + 1) \\
&:= 2/2 + (22/2 + 2) \times (22^2 - 2) \\
&:= 3 + (3 \times (3 \times (3^{3+3} - 33))) \\
&:= (4 \times ((4 + 4) \times ((4 \times (44 + 4)) + 4))) - 4/4 - 4 \\
&:= 5 + (((55 + 5)/5) + 5^5) + 5^5 \\
&:= (6 \times 6/(6 + 6)) + (6 \times (6 \times (6 \times (6 \times 6 - 6) - 6))) \\
&:= (7 + 7)/7 + ((7 \times (7 \times ((7 + 7)/7)^7)) - 7) \\
&:= 8 + ((88 \times ((8 \times 8 - 8/8) + 8)) + (88/8)) \\
&:= 9 + ((99 \times (9 \times 9 - 9 - 9) + (99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6268 &:= 1 + ((1 + (((1 + 111)^{1+1}) - 11))/(1 + 1)) \\
&:= 2 + (22/2 + 2) \times (22^2 - 2) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} - 33))) + 3/3) \\
&:= (4 \times ((4 + 4) \times ((4 \times (44 + 4)) + 4))) - 4 \\
&:= (5 + 5)/5 \times (((5^5 - 5/5) + 5) + 5) \\
&:= 6666 - (((6 + 6)/6) + 6 \times 66) \\
&:= 7 + ((7 \times (7 \times ((7 + 7)/7)^7)) - (77/7)) \\
&:= 8 \times 8/(8 + 8) + ((8/8 + 8) \times (8 \times 88 - 8)) \\
&:= 9 + (((9 \times 9 - ((9 + 9)/9))^{(9+9)/9}) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6269 &:= (((1 + 111)^{1+1})/(1 + 1)) - 1 - 1 - 1 \\
&:= 2 + ((22/2 + 2) \times (22^2 - 2) + 2/2) \\
&:= (((3/3 + 3)^3) \times (3 \times 33 - 3/3)) - 3 \\
&:= 4 + (((4 - 4/4)^{4+4}) - (44 + 4^4)) + 4 \\
&:= 5 \times 5 + ((5^5 - (5/5 + 5)) + 5^5) \\
&:= 6666 - (6 \times 66 + 6/6) \\
&:= (7 \times (7 \times ((7 + 7)/7)^7)) - (7 + 7 + 7)/7 \\
&:= 8 + (88 \times (8 \times 8 + 8) - (88/8 + 8 \times 8)) \\
&:= 9 + (((9 - (9 + 9)/9) \times (((9 + 9)/9) + 9 \times 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6270 &:= (((1 + 111)^{1+1})/(1 + 1)) - 1 - 1 \\
&:= 22 \times (((22 + 2)^2) - 2)/2 - 2 \\
&:= 3 + ((3 \times (3 \times (3^{3+3} - 33))) + 3) \\
&:= 4 + (((44 - 4)/4 \times (4/4 + 4)^4) + 4 \times 4) \\
&:= 5 \times 5 + (5^5 - 5 + 5^5) \\
&:= 6666 - 6 \times 66 \\
&:= (7 \times (7 \times ((7 + 7)/7)^7)) - (7 + 7)/7 \\
&:= ((8/8 - 8) + 8 \times 8) \times (888 - 8)/8 \\
&:= 9 + (((99 + 9)/9 \times (((9 + 9)/9)^9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6271 &:= (((1 + 111)^{1+1})/(1 + 1)) - 1 \\
&:= (2 \times (2 \times (22 + 2 + 2 + 2))^2) - 2/2 \\
&:= 3 + (((3 \times (3 \times (3^{3+3} - 33))) + 3/3) + 3) \\
&:= (4 \times ((4 + 4) \times ((4 \times (44 + 4)) + 4))) - 4/4 \\
&:= 5 + (((55/5 + 5^5) + 5^5) + 5) \\
&:= 6/6 + (6666 - 6 \times 66) \\
&:= (7 \times (7 \times ((7 + 7)/7)^7)) - 7/7 \\
&:= 88 \times (8 \times 8 + 8) - (8/8 + 8 \times 8) \\
&:= 9 + (((9 - (9 + 9)/9) \times (9 \times 99 + 9/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6272 &:= ((1 + 111)^{1+1})/(1 + 1) \\
&:= 2 \times (2 \times (22 + 2 + 2 + 2))^2 \\
&:= ((3/3 + 3)^3) \times (3 \times 33 - 3/3) \\
&:= 4 \times ((4 + 4) \times ((4 \times (44 + 4)) + 4)) \\
&:= (5 + 5)/5 \times (55/5 + 5^5) \\
&:= (6 + 6)/6 + (6666 - 6 \times 66) \\
&:= 7 \times (7 \times ((7 + 7)/7)^7) \\
&:= 8 \times ((8 \times (88 + 8) + 8) + 8) \\
&:= (9 - 9/9) \times ((9 - 9/9) \times (99 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6273 &:= 1 + (((1 + 111)^{1+1}) / (1 + 1)) \\
&:= 2/2 + (2 \times (2 \times (22 + 2 + 2 + 2))^2) \\
&:= 3 \times ((3 \times (3^{3+3} - 33)) + 3) \\
&:= 4/4 + (4 \times ((4 + 4) \times ((4 \times (44 + 4)) + 4))) \\
&:= 5 \times 5 + ((5^5 - ((5 + 5)/5)) + 5^5) \\
&:= 6666 + ((6 \times 6 / (6 + 6)) - 6 \times 66) \\
&:= 7/7 + (7 \times (7 \times ((7 + 7)/7)^7)) \\
&:= 8/8 + (8 \times ((8 \times (88 + 8) + 8) + 8)) \\
&:= 9 + (((99 \times (9 \times 9 - 9 - 9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6274 &:= 1 + (1 + (((1 + 111)^{1+1}) / (1 + 1))) \\
&:= 2 + (2 \times (2 \times (22 + 2 + 2 + 2))^2) \\
&:= 3/3 + (3 \times ((3 \times (3^{3+3} - 33)) + 3)) \\
&:= (4 + 4)/4 + (4 \times ((4 + 4) \times ((4 \times (44 + 4)) + 4))) \\
&:= 5 \times 5 + ((5^5 - 5/5) + 5^5) \\
&:= 6 + (6666 - (((6 + 6)/6) + 6 \times 66)) \\
&:= (7 + 7)/7 + (7 \times (7 \times ((7 + 7)/7)^7)) \\
&:= (8 + 8)/8 + (8 \times ((8 \times (88 + 8) + 8) + 8)) \\
&:= 9 + (((99 \times (9 \times 9 - 9 - 9) + 9/9) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6275 &:= 1 + (1 + (1 + (((1 + 111)^{1+1}) / (1 + 1)))) \\
&:= 2 + ((2 \times (2 \times (22 + 2 + 2 + 2))^2) + 2/2) \\
&:= 3 + (((3/3 + 3)^3) \times (3 \times 33 - 3/3)) \\
&:= 4 + ((4 \times ((4 + 4) \times ((4 \times (44 + 4)) + 4))) - 4/4) \\
&:= 5 \times 5 + (5^5 + 5^5) \\
&:= 6 + (6666 - (6 \times 66 + 6/6)) \\
&:= (7 + 7 + 7)/7 + (7 \times (7 \times ((7 + 7)/7)^7)) \\
&:= 88/8 + ((8/8 + 8) \times (8 \times 88 - 8)) \\
&:= 9 + (((99 \times (9 \times 9 - 9 - 9) + 99/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6276 &:= (1 + 11) \times (11 + (1 + 1)^{11-1-1}) \\
&:= 2 \times ((2 \times (22 + 2 + 2 + 2))^2 + 2) \\
&:= 3 + (3 \times ((3 \times (3^{3+3} - 33)) + 3)) \\
&:= 4 + (4 \times ((4 + 4) \times ((4 \times (44 + 4)) + 4))) \\
&:= 5 \times 5 + ((5^5 + 5^5) + 5/5) \\
&:= 6 + (6666 - 6 \times 66) \\
&:= 77/7 + ((7 \times (7 \times ((7 + 7)/7)^7)) - 7) \\
&:= ((88 + 8)/8) \times (8 \times 8 \times 8 + 88/8) \\
&:= (99 + 9)/9 \times (((9 + 9)/9)^9) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6277 &:= (11 + (((1 + 111)^{1+1}) - 1)) / (1 + 1) \\
&:= ((22/2 + 2) \times (22^2 - 2/2)) - 2 \\
&:= 3 + ((3 \times ((3 \times (3^{3+3} - 33)) + 3)) + 3/3) \\
&:= 4 + ((4 \times ((4 + 4) \times ((4 \times (44 + 4)) + 4))) + 4/4) \\
&:= 5 + ((5 + 5)/5 \times (55/5 + 5^5)) \\
&:= 6 + ((6666 - 6 \times 66) + 6/6) \\
&:= 7 + ((7 \times (7 \times ((7 + 7)/7)^7)) - ((7 + 7)/7)) \\
&:= ((8 - 8/8) \times (888 + 88/8)) - 8 - 8 \\
&:= 9 + (((9 \times 9 - ((9 + 9)/9))^{(9+9)/9}) + 9) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6278 &:= (1 + (11 + (((1 + 111)^{1+1})) / (1 + 1))) \\
&:= 2 + (2 \times ((2 \times (22 + 2 + 2 + 2))^2 + 2)) \\
&:= 3 + (((3/3 + 3)^3) \times (3 \times 33 - 3/3)) + 3 \\
&:= (44 - 4/4) \times (((4 - 44)/4) + 4^4) \\
&:= 5 + (((5^5 - ((5 + 5)/5)) + 5^5) + 5 \times 5) \\
&:= 6 + ((6666 - 6 \times 66) + ((6 + 6)/6)) \\
&:= 7 + ((7 \times (7 \times ((7 + 7)/7)^7)) - 7/7) \\
&:= ((8/8 + 8 \times 8) + 8) \times (88 - ((8 + 8)/8)) \\
&:= 99 + (9 \times 9 \times (9 \times 9 + 9) - 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6279 &:= (1 + 1 + 11) \times (((11 + 11)^{1+1}) - 1) \\
&:= (22/2 + 2) \times (22^2 - 2/2) \\
&:= 3 + ((3 \times ((3 \times (3^{3+3} - 33)) + 3)) + 3) \\
&:= (4 + 4)^4 + (((4 - 4/4)^{4+4-4/4}) - 4) \\
&:= 5 + (((5^5 - 5/5) + 5 \times 5) + 5^5) \\
&:= 6 + (((6 \times 6 / (6 + 6)) - 6 \times 66) + 6666) \\
&:= 7 + (7 \times (7 \times ((7 + 7)/7)^7)) \\
&:= (8 - 8/8) \times (888 + 8/8 + 8) \\
&:= ((9/9 + 9 \times 9) + 9) \times (9 \times 9 - (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6280 &:= 1 + ((1 + 1 + 11) \times (((11 + 11)^{1+1}) - 1)) \\
&:= 2 \times (((2 \times (22 + 2 + 2 + 2))^2 + 2) + 2) \\
&:= 3 \times 3^{3+3} + ((3/3 + 3)^{3+3} - 3) \\
&:= 4 + ((4 \times ((4 + 4) \times ((4 \times (44 + 4)) + 4))) + 4) \\
&:= 5 + ((5^5 + 5^5) + 5 \times 5) \\
&:= ((66 - 6)/6) + (6666 - 6 \times 66) \\
&:= 7 + ((7 \times (7 \times ((7 + 7)/7)^7)) + 7/7) \\
&:= 8 + (8 \times ((8 \times (88 + 8) + 8) + 8)) \\
&:= (9/9 + 9) \times (9 \times 9 \times 9 - ((9 + 9)/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6281 &:= 11 + (((1 + 111)^{1+1}) / (1 + 1)) - (1 + 1) \\
&:= 2 + ((22/2 + 2) \times (22^2 - 2/2)) \\
&:= 3 \times 3 + (((3/3 + 3)^3) \times (3 \times 33 - 3/3)) \\
&:= 44 + ((4 - 4/4)^4 \times ((4 - 4/4)^4 - 4)) \\
&:= 5 + (((5 \times 5 + 5^5) + 5/5) + 5^5) \\
&:= 66/6 + (6666 - 6 \times 66) \\
&:= 7 + ((7 \times (7 \times ((7 + 7)/7)^7)) + ((7 + 7)/7)) \\
&:= 8 + ((8 \times ((8 \times (88 + 8) + 8) + 8)) + 8/8) \\
&:= 9 + ((9 - 9/9) \times ((9 - 9/9) \times (99 - 9/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6282 &:= 11 + (((1 + 111)^{1+1}) / (1 + 1)) - 1 \\
&:= (2/2 + 2) \times ((2 \times 22 + 2)^2 - 22) \\
&:= 3 \times ((3 \times (3^{3+3} - 33)) + 3) + 3 \\
&:= 4 \times (4 + 4) + ((44 - 4)/4 \times (4/4 + 4)^4) \\
&:= 5^5 + (((5 + 5)/5)^5 + 5^5) \\
&:= 6 + ((6666 - 6 \times 66) + 6) \\
&:= ((77 - 7)/7) + (7 \times (7 \times ((7 + 7)/7)^7)) \\
&:= (8/8 + 8) \times (((8 + 8)/8) - 8) + 8 \times 88 \\
&:= 9 \times 9 \times (9 \times 9 + 9) - (999 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6283 &:= 11 + (((1 + 111)^{1+1}) / (1 + 1)) \\
&:= 2 + (((22/2 + 2) \times (22^2 - 2/2)) + 2) \\
&:= 3 \times 3^{3+3} + (3/3 + 3)^{3+3} \\
&:= (4 + 4)^4 + ((4 - 4/4)^{4+4-4/4}) \\
&:= 5 \times 5 + ((5 + 5)/5 \times ((5^5 - 5/5) + 5)) \\
&:= 6 + (((6666 - 6 \times 66) + 6/6) + 6) \\
&:= 77/7 + (7 \times (7 \times ((7 + 7)/7)^7)) \\
&:= 88/8 + (8 \times ((8 \times (88 + 8) + 8) + 8)) \\
&:= 9/9 + (9 \times 9 \times (9 \times 9 + 9) - (999 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6284 &:= 1 + (11 + (((1 + 111)^{1+1}) / (1 + 1))) \\
&:= (22^2 \times (22/2 + 2)) - 2 \times (2 + 2) \\
&:= 3/3 + ((3/3 + 3)^{3+3} + 3 \times 3^{3+3}) \\
&:= 44 + ((4^4 + 4) \times ((4 \times 4 + 4) + 4)) \\
&:= 5 + (((5^5 - 5/5) + 5 \times 5) + 5^5) + 5 \\
&:= 6 + (((6666 - 6 \times 66) + ((6 + 6)/6)) + 6) \\
&:= (77 + 7)/7 + (7 \times (7 \times ((7 + 7)/7)^7)) \\
&:= 8 + (((88 + 8)/8) \times (8 \times 8 \times 8 + 88/8)) \\
&:= ((9 - (9 + 9)/9) \times ((9 \times 99 - 9/9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6285 &:= 1 + (1 + (11 + (((1 + 111)^{1+1}) / (1 + 1)))) \\
&:= 2 \times 22 + (((2/2 + 2)^{2+2} - 2)^2) \\
&:= (3 \times (3 \times (3^{3+3} - 3^3))) - 33 \\
&:= ((4 - 4/4)^{4+4}) - ((4 \times 4 + 4^4) + 4) \\
&:= 5 + (((5^5 + 5^5) + 5 \times 5) + 5) \\
&:= (6 - 6/6) \times (((66/6) \times 666/6) + 6 \times 6) \\
&:= 7 + (((7 \times (7 \times ((7 + 7)/7)^7)) - 7/7) + 7) \\
&:= ((8 - 8/8) \times (888 + 88/8)) - 8 \\
&:= 9 + ((99 + 9)/9 \times (((9 + 9)/9)^9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6286 &:= 1 + (1 + (1 + (11 + (((1 + 111)^{1+1}) / (1 + 1)))) \\
&:= (22^2 \times (22/2 + 2)) - 2 - 2 - 2 \\
&:= 3 + ((3/3 + 3)^{3+3} + 3 \times 3^{3+3}) \\
&:= ((44 - 4)/4 \times ((4/4 + 4)^4 + 4)) - 4 \\
&:= 5 \times 5 + ((55/5 + 5^5) + 5^5) \\
&:= 6 \times 6 + (((6 + 6)/6) \times ((6 - 6/6)^{6-6/6})) \\
&:= 7 + ((7 \times (7 \times ((7 + 7)/7)^7)) + 7) \\
&:= (8 - 8/8) \times ((888 + ((8 + 8)/8)) + 8) \\
&:= (9 - (9 + 9)/9) \times ((9 \times 99 - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6287 &:= 11 + ((1 + 11) \times (11 + (1 + 1)^{11-1-1})) \\
&:= 2 + (((2/2 + 2)^{2+2} - 2)^2) + 2 \times 22 \\
&:= (3 \times (3 \times ((3^{3+3} - 33) + 3))) - (3/3 + 3) \\
&:= 4 + (((4 - 4/4)^{4+4-4/4}) + (4 + 4)^4) \\
&:= 5 + (((5 + 5)/5)^5 + 5^5) + 5^5 \\
&:= 6 + ((6666 - 6 \times 66) + (66/6)) \\
&:= 7 + (((7 \times (7 \times ((7 + 7)/7)^7)) + 7/7) + 7) \\
&:= 8 + ((8 - 8/8) \times (888 + 8/8 + 8)) \\
&:= 9 \times (9 \times 9 \times 9 - 9 - 9) - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6288 &:= 111 + ((1 + 1 + 1) \times (11 + (1 + 1)^{11})) \\
&:= (22 + 2) \times (22^2 - 222) \\
&:= (3 \times (3 \times ((3^{3+3} - 33) + 3))) - 3 \\
&:= 4 \times (((4 + 4) \times ((4 \times (44 + 4)) + 4)) + 4) \\
&:= (5 + 5)/5 \times ((5 \times 5 - (5/5 + 5)) + 5^5) \\
&:= ((6 + 6)/6 + 6) \times (66 \times (6 + 6) - 6) \\
&:= (7/7 + 7) \times (((7 + 7)/7) + 777) + 7) \\
&:= 8 + ((8 \times ((8 \times (88 + 8) + 8) + 8)) + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9 - 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6289 &:= (((11 - 1 - 1)^{1+1} - 1)^{1+1}) - 111 \\
&:= ((2 \times 2 \times (22 - 2))^2) - 222/2 \\
&:= ((3^3 - 3/3) \times ((3^{3+3} - 3)/3)) - 3 \\
&:= ((4 - 4/4)^{4+4}) - (4 \times 4 + 4^4) \\
&:= ((5 + 5) \times (5^5/5 + 5)) - 55/5 \\
&:= ((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) - 66/6 \\
&:= 7 + ((7 \times (7 \times ((7 + 7)/7)^7)) + ((77 - 7)/7)) \\
&:= 8 \times (888 - 88) - 888/8 \\
&:= ((9 - 999)/9) + 9 \times (9 \times 9 \times 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6290 &:= ((1 + 1 + 11) \times ((11 + 11)^{1+1})) - 1 - 1 \\
&:= (22^2 \times (22/2 + 2)) - 2 \\
&:= (3 \times (3 \times ((3^{3+3} - 33) + 3))) - 3/3 \\
&:= (44 - 4)/4 \times ((4/4 + 4)^4 + 4) \\
&:= (5 + 5) \times ((5^5 - 5)/5 + 5) \\
&:= (6 - 6/6) \times ((6 \times (6 \times 6 \times 6 - 6)) - ((6 + 6)/6)) \\
&:= 7 + ((7 \times (7 \times ((7 + 7)/7)^7)) + (77/7)) \\
&:= 8 + ((8/8 + 8) \times (((8 + 8)/8) - 8) + 8 \times 88) \\
&:= (9/9 + 9) \times (9 \times 9 \times 9 - (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6291 &:= ((1 + 1 + 11) \times ((11 + 11)^{1+1})) - 1 \\
&:= (22^2 \times (22/2 + 2)) - 2/2 \\
&:= 3 \times (3 \times ((3^{3+3} - 33) + 3)) \\
&:= 4/4 + ((44 - 4)/4 \times ((4/4 + 4)^4 + 4)) \\
&:= 5/5 + ((5 + 5) \times ((5^5 - 5)/5 + 5)) \\
&:= 666 + ((666/6 - 6 \times 6)^{6+6}/6) \\
&:= 7 + ((7 \times (7 \times ((7 + 7)/7)^7)) + (77 + 7)/7) \\
&:= 8 + ((8 \times ((8 \times (88 + 8) + 8) + 8)) + (88/8)) \\
&:= 9 \times 9 \times (9 \times 9 + 9) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6292 &:= (1 + 1 + 11) \times ((11 + 11)^{1+1}) \\
&:= 22^2 \times (22/2 + 2) \\
&:= (3^3 - 3/3) \times ((3^{3+3} - 3)/3) \\
&:= 44 \times (444/4 + 4 \times (4 + 4)) \\
&:= 5 + (((5 + 5)/5)^5 + 5^5) + 5 \\
&:= (((6 + 6)/6)^{6+6}) + 6 \times 6 \times (66 - 6 + 6) \\
&:= 77 + (((7/7 + 7) \times 777) - 7/7) \\
&:= 88 \times (8 \times 8 + 8) - (88/((8 + 8)/8)) \\
&:= 9/9 + (9 \times 9 \times (9 \times 9 + 9) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6293 &:= 1 + ((1 + 1 + 11) \times ((11 + 11)^{1+1})) \\
&:= 2/2 + (22^2 \times (22/2 + 2)) \\
&:= ((3^3 - 3/3) + 3) \times ((3 + 3)^3 + 3/3) \\
&:= 4 + (((4 - 4/4)^{4+4}) - (4 \times 4 + 4^4)) \\
&:= 55 + ((5^5 - ((55 + 5)/5)) + 5^5) \\
&:= (6 \times 6 - (6/6 + 6)) \times (6 \times 6 \times 6 + 6/6) \\
&:= 77 + ((7/7 + 7) \times 777) \\
&:= (8 - 8/8) \times (888 + 88/8) \\
&:= (9 - (9 + 9)/9) \times ((9 \times 99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6294 &:= 1 + (1 + ((1 + 1 + 11) \times ((11 + 11)^{1+1}))) \\
&:= 2 + (22^2 \times (22/2 + 2)) \\
&:= 3 + (3 \times (3 \times ((3^{3+3} - 33) + 3))) \\
&:= 4 + ((44 - 4)/4 \times ((4/4 + 4)^4 + 4)) \\
&:= 55 + ((5^5 - (55/5)) + 5^5) \\
&:= ((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) - 6 \\
&:= 7/7 + (((7/7 + 7) \times 777) + 77) \\
&:= 8 + ((8 - 8/8) \times ((888 + ((8 + 8)/8)) + 8)) \\
&:= 9/9 + ((9 - (9 + 9)/9) \times ((9 \times 99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6295 &:= 1 + (1 + (1 + ((1 + 1 + 11) \times ((11 + 11)^{1+1})))) \\
&:= 2 + (22^2 \times (22/2 + 2)) + 2/2 \\
&:= 3 + ((3^3 - 3/3) \times ((3^{3+3} - 3)/3)) \\
&:= (4/4 + 4) \times ((4/4 + 4) \times (4^4 - 4) - 4/4) \\
&:= ((5 + 5) \times (5^5/5 + 5)) - 5 \\
&:= 6/6 + (((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) - 6) \\
&:= 7 + ((7/7 + 7) \times (((7 + 7)/7) + 777) + 77) \\
&:= 88 + ((8 \times (8 \times (88 + 8) + 8)) - 8/8) \\
&:= 9999/9 + (9 \times 9 - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6296 &:= (1 + 1) \times (1111 + ((1 + 1)^{11} - 11)) \\
&:= 2 + (22^2 \times (22/2 + 2)) + 2 \\
&:= 3 + (((3^3 - 3/3) + 3) \times ((3 + 3)^3 + 3/3)) \\
&:= 4 + (44 \times (444/4 + 4 \times (4 + 4))) \\
&:= 5/5 + (((5 + 5) \times (5^5/5 + 5)) - 5) \\
&:= (6 + 6)/6 + (((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) - 6) \\
&:= (7/7 + 7) \times (((77 - 7)/7) + 777) \\
&:= 88 + (8 \times (8 \times (88 + 8) + 8)) \\
&:= 9 \times 9 \times 9 \times 9 - (((9 + 9)/9)^{9-9/9} + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6297 &:= 1 + ((1 + 1) \times (1111 + ((1 + 1)^{11} - 11))) \\
&:= 2 + (((22^2 \times (22/2 + 2)) + 2/2) + 2) \\
&:= 33 + (3 \times (3 \times (3^{3+3} - 33))) \\
&:= ((4 - 4/4)^{4+4}) - (4^4 + 4 + 4) \\
&:= 5 \times 5 + ((5 + 5)/5 \times (55/5 + 5^5)) \\
&:= 6666 - (66 \times 66/(6 + 6) + 6) \\
&:= ((7/7 + 7) \times (77/7 + 777)) - 7 \\
&:= 8/8 + ((8 \times (8 \times (88 + 8) + 8)) + 88) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9 - 9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6298 &:= (1 + 1) \times (1 + (1111 + ((1 + 1)^{11} - 11))) \\
&:= 2 + (((22^2 \times (22/2 + 2)) + 2) + 2) \\
&:= 3 + (((3^3 - 3/3) \times ((3^{3+3} - 3)/3)) + 3) \\
&:= 4 + (((44 - 4)/4 \times ((4/4 + 4)^4 + 4)) + 4) \\
&:= (5 + 5)/5 \times ((5^5 - 5/5) + 5 \times 5) \\
&:= ((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) - (6 + 6)/6 \\
&:= ((77 + 7) \times (77 - (7 + 7)/7)) - (7 + 7)/7 \\
&:= 88 + ((8 \times (8 \times (88 + 8) + 8)) + ((8 + 8)/8)) \\
&:= 9 \times (9 \times 9 \times 9 - 9 - 9) - ((9 + 9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6299 &:= 1 + ((1 + 1) \times (1 + (1111 + ((1 + 1)^{11} - 11)))) \\
&:= 2 + (((22^2 \times (22/2 + 2)) + 2/2) + 2) + 2 \\
&:= ((3^3 + 3) \times ((3 + 3)^3 - (3 + 3))) - 3/3 \\
&:= ((4 - 4/4)^{4+4}) - (((4 + 4)/4 + 4^4) + 4) \\
&:= ((5 + 5) \times (5^5/5 + 5)) - 5/5 \\
&:= ((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) - 6/6 \\
&:= ((77 + 7) \times (77 - (7 + 7)/7)) - 7/7 \\
&:= 88 \times (8 \times 8 + 8) - 888/(8 + 8 + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9 - 9) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6300 &:= (1 + 1 + 1) \times ((11 + (11 - 1)) \times (11 - 1)^{1+1}) \\
&:= 2 \times (2 + 2) + (22^2 \times (22/2 + 2)) \\
&:= (3^3 + 3) \times ((3 + 3)^3 - (3 + 3)) \\
&:= (4/4 + 4) \times (4/4 + 4) \times (4^4 - 4) \\
&:= (5 + 5) \times (5^5/5 + 5) \\
&:= (6 - 6 \times 6) \times (6 - 6 \times 6 \times 6) \\
&:= (77 + 7) \times (77 - (7 + 7)/7) \\
&:= (8 - 8/8) \times (((88 + 8)/8) + 888) \\
&:= (9 - 99) \times ((99/9) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6301 &:= 1 + ((1 + 1 + 1) \times ((11 + (11 - 1)) \times (11 - 1)^{1+1})) \\
&:= 22 + ((22/2 + 2) \times (22^2 - 2/2)) \\
&:= 3/3 + ((3^3 + 3) \times ((3 + 3)^3 - (3 + 3))) \\
&:= ((4 - 4/4)^{4+4}) - (4^4 + 4) \\
&:= 5/5 + ((5 + 5) \times (5^5/5 + 5)) \\
&:= 6/6 + ((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) \\
&:= 7/7 + ((77 + 7) \times (77 - (7 + 7)/7)) \\
&:= 8 + ((8 - 8/8) \times (888 + 88/8)) \\
&:= ((9 \times 9 - 9/9)^{(9+9)/9}) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6302 &:= 11 + (((1 + 1 + 11) \times ((11 + 11)^{1+1})) - 1) \\
&:= 2 + (((22^2 \times (22/2 + 2)) + 2 \times (2 + 2)) \\
&:= 3 + (((3^3 + 3) \times ((3 + 3)^3 - (3 + 3))) - 3/3) \\
&:= 4/4 + (((4 - 4/4)^{4+4}) - (4^4 + 4)) \\
&:= (5 + 5)/5 + ((5 + 5) \times (5^5/5 + 5)) \\
&:= (6 + 6)/6 + ((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) \\
&:= ((7 + 7)/7)^7 + (7 \times 7 \times (77 + 7 \times 7)) \\
&:= 88 + ((8 - 8/8) \times 888 - ((8 + 8)/8)) \\
&:= 9 + ((9 - (9 + 9)/9) \times ((9 \times 99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6303 &:= 11 + ((1 + 1 + 11) \times ((11 + 11)^{1+1})) \\
&:= 22/2 + (22^2 \times (22/2 + 2)) \\
&:= 3 + ((3^3 + 3) \times ((3 + 3)^3 - (3 + 3))) \\
&:= ((4 - 4/4)^{4+4}) - ((4 + 4)/4 + 4^4) \\
&:= 55 + ((5^5 - ((5 + 5)/5)) + 5^5) \\
&:= 6666 - 66 \times 66/(6 + 6) \\
&:= 7 \times 7 \times (77 + 7) + ((7 + 7 + 7)/7)^7 \\
&:= 88 + ((8 - 8/8) \times 888 - 8/8) \\
&:= (9 + 9)/9 + (((9 \times 9 - 9/9)^{(9+9)/9}) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6304 &:= ((1 + 1 + 11) \times (1 + ((11 + 11)^{1+1}))) - 1 \\
&:= 2 \times (2 \times ((2 \times (22 - 2))^2 - (22 + 2))) \\
&:= (33 - 3/3) \times (33 \times (3 + 3) - 3/3) \\
&:= 4 \times ((44 \times (4 \times (4 + 4) + 4)) - (4 + 4)) \\
&:= 55 + ((5^5 - 5/5) + 5^5) \\
&:= 6 + (((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) - ((6 + 6)/6)) \\
&:= (7/7 + 7) \times (77/7 + 777) \\
&:= 88 + (8 - 8/8) \times 888 \\
&:= 9 + ((9 \times 9 - 9)^{(9+9)/9} + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6305 &:= (1 + 1 + 11) \times (1 + ((11 + 11)^{1+1})) \\
&:= (22/2 + 2) \times (22^2 + 2/2) \\
&:= 33 + (((3/3 + 3)^3) \times (3 \times 33 - 3/3)) \\
&:= ((4 - 4/4)^{4+4}) - 4^4 \\
&:= 55 + (5^5 + 5^5) \\
&:= 6 + (((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) - 6/6) \\
&:= 7/7 + ((7/7 + 7) \times (77/7 + 777)) \\
&:= (8/8 + 8 \times 8) \times ((8/8 + 88) + 8) \\
&:= 9 \times 9 \times 9 - 9 - ((9 + 9)/9)^{9-9/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6306 &:= 1 + ((1 + 1 + 11) \times (1 + ((11 + 11)^{1+1}))) \\
&:= 222 + (2 \times 2 \times (22 - 2) - 2)^2 \\
&:= (3 \times ((3 \times (3^{3+3} - 3^3)) - 3)) - 3 \\
&:= 4/4 + (((4 - 4/4)^{4+4}) - 4^4) \\
&:= 55 + ((5^5 + 5^5) + 5/5) \\
&:= 6 + (((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) \\
&:= 7 + (((77 + 7) \times (77 - (7 + 7)/7)) - 7/7) \\
&:= 8/8 + ((8/8 + 8 \times 8) \times ((8/8 + 88) + 8)) \\
&:= 9 \times (9 + 9) + ((99 + 9)/9 \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6307 &:= ((1 + 1) \times (1111 + (1 + 1)^{11})) - 11 \\
&:= 2 + ((22/2 + 2) \times (22^2 + 2/2)) \\
&:= (3 \times (3 \times (3^{3+3} - 3^3))) - 33/3 \\
&:= (4 + 4)/4 + (((4 - 4/4)^{4+4}) - 4^4) \\
&:= 55 + (((5 + 5)/5 + 5^5) + 5^5) \\
&:= 6 + (((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) + 6/6) \\
&:= 7 + ((77 + 7) \times (77 - (7 + 7)/7)) \\
&:= (8 \times 8 - 88/8) \times (888/8 + 8) \\
&:= (9 - (9 + 9)/9) \times ((9 \times 99 + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6308 &:= 1 + (((1 + 1) \times (1111 + (1 + 1)^{11})) - 11) \\
&:= 2 \times (2 \times ((2 \times (22 - 2))^2 - 22) - 2) \\
&:= ((3 \times (3 + 3)) + 3/3) \times (333 - 3/3) \\
&:= 4 + (((4^4 - 4) \times ((4 \times 4 + 4) + 4)) + 4^4) \\
&:= 5 + (((5^5 - ((5 + 5)/5)) + 5^5) + 55) \\
&:= 6 + (((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) + ((6 + 6)/6)) \\
&:= (7/7 - 77) \times (7/7 - (77 + 7)) \\
&:= 8 + ((8 - 8/8) \times (((88 + 8)/8) + 888)) \\
&:= 9 \times (9 \times 9 \times 9 - 9 - 9 - 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6309 &:= (1 + 1 + 1) \times ((1 + 1)^{11} + (111 - 1)/(1 + 1)) \\
&:= 2 + (((22/2 + 2) \times (22^2 + 2/2)) + 2) \\
&:= 3 \times (3 \times (3^{3+3} - 3^3)) - 3 \\
&:= 4 + (((4 - 4/4)^{4+4}) - 4^4) \\
&:= 5 + (((55 - 5/5) + 5^5) + 5^5) \\
&:= 6 + (6666 - 66 \times 66/(6 + 6)) \\
&:= 7 + ((7 \times 7 \times (77 + 7 \times 7)) + ((7 + 7)/7)^7) \\
&:= (8/8 + 8) \times ((8 \times 88 - (88/8)) + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9 - 9 - 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6310 &:= 1 + ((1 + 1 + 1) \times ((1 + 1)^{11} + (111 - 1)/(1 + 1))) \\
&:= (22 \times (((22 + 2)^2) - 2)/2) - 2 - 2 \\
&:= 3/3 + (3 \times ((3 \times (3^{3+3} - 3^3)) - 3)) \\
&:= 4 + (((4 - 4/4)^{4+4}) - 4^4) + 4/4 \\
&:= 5 + ((55 + 5^5) + 5^5) \\
&:= (6 - 6/6) \times ((6 \times (6 \times 6 \times 6 - 6)) + ((6 + 6)/6)) \\
&:= (7 \times ((7 \times ((7 + 7)/7)^7) + 7)) - 77/7 \\
&:= ((8/8 + 8) \times (8 \times 88 - ((8 + 8)/8))) - 8 \\
&:= 9 + (((9 \times 9 - 9/9)^{(9+9)/9}) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6311 &:= ((11 \times (1 + 11))^{1+1}) - (1 + (1 + 1111)) \\
&:= (22 \times (((22 + 2)^2) - 2)/2) - 2/2 - 2 \\
&:= 3 + (((3 \times (3 + 3)) + 3/3) \times (333 - 3/3)) \\
&:= 4 + (((4 - 4/4)^{4+4}) - 4^4) + (4 + 4)/4 \\
&:= 5 + (((55 + 5^5) + 5/5) + 5^5) \\
&:= 66/6 + (((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) \\
&:= 7 + ((7/7 + 7) \times (77/7 + 777)) \\
&:= 88 + ((8 - 8/8) \times (888 + 8/8)) \\
&:= ((9/9 - 9 \times 9) \times (((9 + 9)/9) - 9 \times 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6312 &:= (1 + 1) \times ((1 + 11) \times (((1 + 1) \times (11 \times (1 + 11))) - 1)) \\
&:= 2 \times (2 \times ((2 \times (22 - 2))^2 - 22)) \\
&:= 3 + (3 \times ((3 \times (3^{3+3} - 3^3)) - 3)) \\
&:= (4 + 4)^4 + ((4/4 + 4) \times 444 - 4) \\
&:= 5 + (((5 + 5)/5 + 5^5) + 5^5) + 55 \\
&:= 6 + (((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) + 6) \\
&:= (7/7 + 7) \times ((77 + 7)/7 + 777) \\
&:= 88 \times (8 \times 8 + 8) - 8 - 8 - 8 \\
&:= (9 - 9/9) \times ((9 \times 99 - 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6313 &:= ((11 \times (1 + 11))^{1+1}) - 11111 \\
&:= (22 \times (((22 + 2)^2) - 2)/2) - 2/2 \\
&:= 3 + ((3 \times ((3 \times (3^{3+3} - 3^3)) - 3)) + 3/3) \\
&:= 4 + (((4 - 4/4)^{4+4}) - 4^4) + 4 \\
&:= 55 + ((5 + 5)/5 \times ((5^5 - 5/5) + 5)) \\
&:= 6 + (((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) + 6/6) + 6 \\
&:= (7 \times ((7 \times ((7 + 7)/7)^7) + 7)) - (7/7 + 7) \\
&:= 8 + ((8/8 + 8 \times 8) \times ((8/8 + 88) + 8)) \\
&:= 9 \times 9 + (((9 \times 9 - ((9 + 9)/9))^{(9+9)/9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6314 &:= 11 \times (((1 + 1) \times (1 + 11))^{1+1}) - (1 + 1) \\
&:= 22 \times (((22 + 2)^2) - 2)/2 \\
&:= 33/3 \times (((3 \times 3 + 3)^3 + 3)/3) - 3 \\
&:= 4 + (((4 - 4/4)^{4+4}) - 4^4) + 4/4 + 4 \\
&:= (5 + 5)/5 \times (((5 + 5)/5)^5 + 5^5) \\
&:= (((66 - 6)/6) + 6) \times (6 \times 66 - 6/6) - 6 \\
&:= 77 \times ((77 - (7 + 7)/7) + 7) \\
&:= 88/8 \times (8 \times (8 \times 8 + 8) - (8 + 8)/8) \\
&:= (9 - (9 + 9)/9) \times ((99/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6315 &:= 1 + (11 \times (((1 + 1) \times (1 + 11))^{1+1}) - (1 + 1)) \\
&:= 2/2 + (22 \times (((22 + 2)^2) - 2)/2) \\
&:= (3 \times (3 \times (3^{3+3} - 3^3))) - 3 \\
&:= (4 + 4)^4 + ((4/4 + 4) \times 444 - 4/4) \\
&:= 5 + (((55 + 5^5) + 5^5) + 5) \\
&:= 6 + ((6666 - 66 \times 66/(6 + 6)) + 6) \\
&:= 7 + ((7/7 - 77) \times (7/7 - (77 + 7))) \\
&:= 8 + ((8 \times 8 - 88/8) \times (888/8 + 8)) \\
&:= 9 \times (9 \times 9 \times 9 - 9 - 9 - 9) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6316 &:= (1 + 1) \times (1111 + ((1 + 1)^{11} - 1)) \\
&:= 2 + (22 \times (((22 + 2)^2) - 2)/2) \\
&:= 3/3 + ((3 \times (3 \times (3^{3+3} - 3^3))) - 3) \\
&:= (4 + 4)^4 + (4/4 + 4) \times 444 \\
&:= 55 + ((55/5 + 5^5) + 5^5) \\
&:= 66 + (((6 + 6)/6) \times ((6 - 6/6)^{6-6/6})) \\
&:= (7 + 7)/7 + (77 \times ((77 - (7 + 7)/7) + 7)) \\
&:= 88 \times (8 \times 8 + 8) - ((88 + 8)/8 + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9 - 9 - 9) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6317 &:= ((1 + 1) \times (1111 + (1 + 1)^{11})) - 1 \\
&:= ((22/2 + 2) \times (22^2 + 2)) - 2/2 \\
&:= (3 \times (3 \times (3^{3+3} - 3^3))) - 3/3 \\
&:= 4 + (((4 - 4/4)^{4+4}) - 4^4) + 4 + 4 \\
&:= 55 + (((55 + 5)/5) + 5^5) + 5^5 \\
&:= 6 + (((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) + (66/6)) \\
&:= 7 + ((7 \times ((7 \times ((7 + 7)/7)^7) + 7)) - (77/7)) \\
&:= 88 \times (8 \times 8 + 8) - (88/8 + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9 - 9 - 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6318 &:= (1+1) \times (1111 + (1+1)^{11}) \\
&:= (22/2 + 2) \times (22^2 + 2) \\
&:= 3 \times (3 \times (3^{3+3} - 3^3)) \\
&:= (4+4)^4 + 4 \times 4444 / (4+4) \\
&:= (5 \times 5 + 5/5) \times ((5 - (5+5)/5)^5) \\
&:= (66 - 6 - 6) \times (666/6 + 6) \\
&:= 77 + (((7+7)/7 + 77)^{(7+7)/7}) \\
&:= (8/8 + 8) \times (8 \times 88 - ((8+8)/8)) \\
&:= 9 \times (9 \times 9 \times 9 - (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6319 &:= 1 + ((1+1) \times (1111 + (1+1)^{11})) \\
&:= 2/2 + ((22/2 + 2) \times (22^2 + 2)) \\
&:= 3/3 + (3 \times (3 \times (3^{3+3} - 3^3))) \\
&:= (4 \times ((44 \times (4 \times (4+4) + 4)) - 4)) - 4/4 \\
&:= 5 + ((5+5)/5 \times (((5+5)/5)^5 + 5^5)) \\
&:= 6/6 + ((66 - 6 - 6) \times (666/6 + 6)) \\
&:= (7 \times ((7 \times ((7+7)/7)^7 + 7)) - (7+7)/7) \\
&:= (8/8 + 88) \times ((8 \times 8 - 8/8) + 8) \\
&:= 9/9 + 9 \times (9 \times 9 \times 9 - 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6320 &:= (1+1) \times (1 + (1111 + (1+1)^{11})) \\
&:= 2 + ((22/2 + 2) \times (22^2 + 2)) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} - 3^3))) - 3/3) \\
&:= 4 \times ((44 \times (4 \times (4+4) + 4)) - 4) \\
&:= (5+5) \times ((5^5 + 5+5)/5 + 5) \\
&:= (((66 - 6)/6) + 6) \times (6 \times 66 - 6/6) \\
&:= (7 \times ((7 \times ((7+7)/7)^7 + 7)) - 7/7) \\
&:= 88 \times (8 \times 8 + 8) - 8 - 8 \\
&:= (9/9 - 9 \times 9) \times (((9+9)/9) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6321 &:= 1 + ((1+1) \times (1 + (1111 + (1+1)^{11}))) \\
&:= 2 + (((22/2 + 2) \times (22^2 + 2)) + 2/2) \\
&:= 3 + (3 \times (3 \times (3^{3+3} - 3^3))) \\
&:= 4 \times 4 + (((4 - 4/4)^{4+4}) - 4^4) \\
&:= 5 + (((55/5 + 5^5) + 5^5) + 55) \\
&:= (6/6 + 6) \times (666/6 + 66 \times (6+6)) \\
&:= 7 \times ((7 \times ((7+7)/7)^7 + 7) \\
&:= 8/8 + (88 \times (8 \times 8 + 8) - (8+8)) \\
&:= 9/9 + ((9/9 - 9 \times 9) \times (((9+9)/9) - 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6322 &:= (1+1) \times (1 + (1 + (1111 + (1+1)^{11}))) \\
&:= 2 + (((22/2 + 2) \times (22^2 + 2)) + 2) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} - 3^3))) + 3/3) \\
&:= 4 + (4 \times 4444 / (4+4) + (4+4)^4) \\
&:= (5+5)/5 \times ((55/5 + 5^5) + 5 \times 5) \\
&:= ((6+6)/6) \times (((6 - 6/6)^{6-6/6}) + 6 \times 6) \\
&:= 7/7 + (7 \times ((7 \times ((7+7)/7)^7 + 7)) \\
&:= (8+8)/8 + (88 \times (8 \times 8 + 8) - (8+8)) \\
&:= 9 \times 9 + ((9 \times 9 - ((9+9)/9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6323 &:= (11 \times (((1+1) \times (1+11))^{1+1}) - 1) - 1 - 1 \\
&:= (22/2 \times (((22+2)^2 - 2/2)) - 2) \\
&:= 3 + (((3 \times (3 \times (3^{3+3} - 3^3))) - 3/3) + 3) \\
&:= 4 + ((4 \times ((44 \times (4 \times (4+4) + 4)) - 4)) - 4/4) \\
&:= 5 + ((5 \times 5 + 5/5) \times ((5 - (5+5)/5)^5)) \\
&:= 6666 - ((6/6 + 6)^{6 \times 6 / (6+6)}) \\
&:= (7+7)/7 + (7 \times ((7 \times ((7+7)/7)^7 + 7)) \\
&:= 88 \times (8 \times 8 + 8) - (88 + 8 + 8)/8 \\
&:= 9 + ((9 - (9+9)/9) \times ((99/9) + 9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6324 &:= (11 \times (((1+1) \times (1+11))^{1+1}) - 1) - 1 \\
&:= 2 \times ((2+2+2) \times ((22+2/2)^2 - 2)) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} - 3^3))) + 3) \\
&:= 4 + (4 \times ((44 \times (4 \times (4+4) + 4)) - 4)) \\
&:= (55 \times ((55+55) + 5)) - 5/5 \\
&:= (66 \times (6 \times 6 - 6 + 66)) - 6 - 6 \\
&:= (7+7+7)/7 + (7 \times ((7 \times ((7+7)/7)^7 + 7)) \\
&:= 88 \times (8 \times 8 + 8) - (88 + 8)/8 \\
&:= (999/9 - 9) \times (9 \times 9 - (9/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6325 &:= 11 \times (((1+1) \times (1+11))^{1+1}) - 1 \\
&:= 22/2 \times (((22+2)^2) - 2/2) \\
&:= 33/3 \times (((3 \times 3 + 3)^3 - 3)/3) \\
&:= 4 + (((4 - 4/4)^{4+4}) - 4^4) + 4 \times 4 \\
&:= 55 \times ((55+55) + 5) \\
&:= (66 \times (6 \times 6 - 6 + 66)) - 66/6 \\
&:= 7 + (((7+7)/7 + 77)^{(7+7)/7}) + 77 \\
&:= 88 \times (8 \times 8 + 8) - 88/8 \\
&:= 9 + 9 \times (9 \times 9 \times 9 - 9 - 9 - 9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6326 &:= 1 + (11 \times (((1+1) \times (1+11))^{1+1}) - 1) \\
&:= ((2/2 + 2) \times (2 \times 22 + 2)^2) - 22 \\
&:= (3 \times ((3 \times (3^{3+3} - 3^3)) + 3)) - 3/3 \\
&:= (4 - 44)/4 + (4 \times (44 \times (4 \times (4+4) + 4))) \\
&:= 5/5 + (55 \times ((55+55) + 5)) \\
&:= 6 + (((66 - 6)/6) + 6) \times (6 \times 66 - 6/6) \\
&:= 7 + ((7 \times ((7 \times ((7+7)/7)^7 + 7)) - ((7+7)/7)) \\
&:= (8 - 88)/8 + 88 \times (8 \times 8 + 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9 - 9 - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6327 &:= 111 \times (1 + (1 + 111) / (1 + 1)) \\
&:= 2 + (22/2 \times (((22+2)^2) - 2/2)) \\
&:= 3 \times ((3 \times (3^{3+3} - 3^3)) + 3) \\
&:= (4/4 + 4 + 4) \times 4 \times 4 \times 44 - 4/4 \\
&:= 555/5 \times ((5+5)/5 + 55) \\
&:= 6666 - (666 \times 6 / (6+6) + 6) \\
&:= 777/7 \times ((7/7 + 7 \times 7) + 7) \\
&:= (8/8 + 8) \times (8 \times 88 - 8/8) \\
&:= 9 + 9 \times (9 \times 9 \times 9 - 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6328 &:= 1 + (111 \times (1 + (1 + 111) / (1 + 1))) \\
&:= 2 \times (2 \times ((2 \times (22 \times (2 + 2 + 2)^2)) - 2)) \\
&:= 3 + (33/3 \times (((3 \times 3 + 3)^3 - 3)/3)) \\
&:= (4 \times (44 \times (4 \times (4+4) + 4))) - 4 - 4 \\
&:= (55 + 5/5) \times (555 + 5 + 5)/5 \\
&:= ((6+6)/6 + 6) \times (66 \times (6+6) - 6/6) \\
&:= 7 + (7 \times ((7 \times ((7+7)/7)^7 + 7)) \\
&:= 88 \times (8 \times 8 + 8) - 8 \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9 - 9 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6329 &:= 1 + (1 + (111 \times (1 + (1 + 111) / (1 + 1)))) \\
&:= 2 + ((22/2 \times (((22+2)^2) - 2/2)) + 2) \\
&:= 33/3 + (3 \times (3 \times (3^{3+3} - 3^3))) \\
&:= 4 + (((4 - 4/4)^{4+4}) - 4^4) + 4 \times 4 + 4 \\
&:= 5 + ((55 \times ((55+55) + 5)) - 5/5) \\
&:= (66 \times (6 \times 6 - 6 + 66)) - 6/6 - 6 \\
&:= 7 + ((7 \times ((7 \times ((7+7)/7)^7 + 7)) + 7/7) \\
&:= 8/8 + (88 \times (8 \times 8 + 8) - 8) \\
&:= 9 + ((9/9 - 9 \times 9) \times (((9+9)/9) - 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6330 &:= 1 + (1 + (1 + (111 \times (1 + (1 + 111) / (1 + 1)))))) \\
&:= (22 \times (((22+2)^2) / 2)) - 2 - 2 - 2 \\
&:= 3 + (3 \times ((3 \times (3^{3+3} - 3^3)) + 3)) \\
&:= (44 - 4) / 4 + (((4/4 + 4)^4 + 4) + 4) \\
&:= 5 + (55 \times ((55+55) + 5)) \\
&:= (66 \times (6 \times 6 - 6 + 66)) - 6 \\
&:= 7 + ((7 \times ((7 \times ((7+7)/7)^7 + 7)) + ((7+7)/7)) \\
&:= (8+8)/8 + (88 \times (8 \times 8 + 8) - 8) \\
&:= (99+9)/9 + 9 \times (9 \times 9 \times 9 - 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6331 &:= 11 + ((1+1) \times (1 + (1111 + (1+1)^{11}))) \\
&:= (22/2 + 2) \times ((22^2 + 2/2) + 2) \\
&:= 3 + ((33/3 \times (((3 \times 3 + 3)^3 - 3)/3)) + 3) \\
&:= (4 \times (44 \times (4 \times (4+4) + 4))) - 4/4 - 4 \\
&:= 5 + ((55 \times ((55+55) + 5)) + 5/5) \\
&:= 6/6 + ((66 \times (6 \times 6 - 6 + 66)) - 6) \\
&:= ((77 - 7)/7) + (7 \times ((7 \times ((7+7)/7)^7 + 7)) \\
&:= 88/8 + (88 \times (8 \times 8 + 8) - (8+8)) \\
&:= 9 + (((9 \times 9 - (9+9)/9))^{(9+9)/9}) + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6332 &:= (1+1) \times ((1+1) \times ((11 \times (1+11))^{1+1}) - 1) \\
&:= 2 \times ((22 \times ((2 \times (2+2+2)^2)) - 2) \\
&:= (3 \times (33 \times ((3/3 + 3)^3)) - (3/3 + 3) \\
&:= (4 \times (44 \times (4 \times (4+4) + 4))) - 4 \\
&:= 5 + (555/5 \times ((5+5)/5 + 55)) \\
&:= (6+6)/6 + ((66 \times (6 \times 6 - 6 + 66)) - 6) \\
&:= 77/7 + (7 \times ((7 \times ((7+7)/7)^7 + 7)) \\
&:= 88 \times (8 \times 8 + 8) - 8 \times 8 / (8+8) \\
&:= 9 + (((9 - (9+9)/9) \times ((99/9) + 9 \times 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6333 &:= (1+1+1) \times (((1+1) \times 1111) - 111) \\
&:= (22 \times (((22+2)^2)/2)) - 2/2 - 2 \\
&:= (3 \times (33 \times ((3/3+3)^3))) - 3 \\
&:= 4/4 + ((4 \times (44 \times (4 \times (4+4) + 4))) - 4) \\
&:= 5 + ((55+5/5) \times (555+5+5)/5) \\
&:= 6666 - 666 \times 6/(6+6) \\
&:= 77 \times (77+7) - (((7+7)/7)^7 + 7) \\
&:= 8 + (88 \times (8 \times 8+8) - (88/8)) \\
&:= 9 \times 9 + ((99+9)/9) \times (((9+9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6334 &:= (11 \times (((1+1) \times (1+11))^{1+1})) - 1 - 1 \\
&:= (22 \times (((22+2)^2)/2)) - 2 \\
&:= 3/3 + ((3 \times (33 \times ((3/3+3)^3))) - 3) \\
&:= (4 \times (44 \times (4 \times (4+4) + 4))) - (4+4)/4 \\
&:= 5 + (((55 \times ((55+55) + 5)) - 5/5) + 5) \\
&:= (66 \times (6 \times 6 - 6 + 66)) - (6+6)/6 \\
&:= 7 + (777/7 \times ((7/7+7 \times 7) + 7)) \\
&:= 88 \times (8 \times 8+8) - (8+8)/8 \\
&:= 99 + (99 \times (9 \times 9 - 9 - 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6335 &:= (11 \times (((1+1) \times (1+11))^{1+1})) - 1 \\
&:= (22 \times (((22+2)^2)/2)) - 2/2 \\
&:= (3 \times (33 \times ((3/3+3)^3))) - 3/3 \\
&:= (4 \times (44 \times (4 \times (4+4) + 4))) - 4/4 \\
&:= 5 + ((55 \times ((55+55) + 5)) + 5) \\
&:= (66 \times (6 \times 6 - 6 + 66)) - 6/6 \\
&:= 7 \times (((7+7)/7)^7 + 777) \\
&:= 88 \times (8 \times 8+8) - 8/8 \\
&:= 99 + (99 \times (9 \times 9 - 9 - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6336 &:= 11 \times (((1+1) \times (1+11))^{1+1}) \\
&:= 22 \times (((22+2)^2)/2) \\
&:= 3 \times (33 \times ((3/3+3)^3)) \\
&:= 4 \times (44 \times (4 \times (4+4) + 4)) \\
&:= 5^5 + ((555/5 - 5 \times 5) + 5^5) \\
&:= 66 \times (6 \times 6 - 6 + 66) \\
&:= 7/7 + (7 \times (((7+7)/7)^7 + 777)) \\
&:= 88 \times (8 \times 8+8) \\
&:= 99 + 99 \times (9 \times 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6337 &:= 1 + (11 \times (((1+1) \times (1+11))^{1+1})) \\
&:= 2/2 + (22 \times (((22+2)^2)/2)) \\
&:= 3/3 + (3 \times (33 \times ((3/3+3)^3))) \\
&:= 4/4 + (4 \times (44 \times (4 \times (4+4) + 4))) \\
&:= 55 + (((5+5)/5)^5 + 5^5) + 5^5 \\
&:= 6/6 + (66 \times (6 \times 6 - 6 + 66)) \\
&:= (7+7)/7 + (7 \times (((7+7)/7)^7 + 777)) \\
&:= 8/8 + 88 \times (8 \times 8+8) \\
&:= 9/9 + (99 \times (9 \times 9 - 9 - 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6338 &:= 1 + (1 + (11 \times (((1+1) \times (1+11))^{1+1}))) \\
&:= 2 + (22 \times (((22+2)^2)/2)) \\
&:= 3 + ((3 \times (33 \times ((3/3+3)^3))) - 3/3) \\
&:= (4+4)/4 + (4 \times (44 \times (4 \times (4+4) + 4))) \\
&:= (5+5)/5 \times ((55 - (55/5)) + 5^5) \\
&:= (6+6)/6 + (66 \times (6 \times 6 - 6 + 66)) \\
&:= 77 + ((7 \times (7 \times ((7+7)/7)^7)) - (77/7)) \\
&:= (8+8)/8 + 88 \times (8 \times 8+8) \\
&:= 9 + (((9/9 - 9 \times 9) \times (((9+9)/9) - 9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6339 &:= 1 + (1 + (1 + (11 \times (((1+1) \times (1+11))^{1+1})))) \\
&:= (2/2 + 2)^{2 \times (2+2)} - 222 \\
&:= 3 + (3 \times (33 \times ((3/3+3)^3))) \\
&:= 4 + ((4 \times (44 \times (4 \times (4+4) + 4))) - 4/4) \\
&:= ((5+5) \times (5^5/5 + 5 + 5)) - 55/5 \\
&:= 6 + (6666 - 666 \times 6/(6+6)) \\
&:= 7 + ((7 \times ((7 \times ((7+7)/7)^7) + 7)) + (77/7)) \\
&:= 88/8 + (88 \times (8 \times 8+8) - 8) \\
&:= 999/9 + (99 \times (9 \times 9 - 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6340 &:= (1+1) \times (11 + (1111 + (1+1)^{11})) \\
&:= 2 + ((22 \times (((22+2)^2)/2)) + 2) \\
&:= 3 + ((3 \times (33 \times ((3/3+3)^3))) + 3/3) \\
&:= 4 + (4 \times (44 \times (4 \times (4+4) + 4))) \\
&:= (5+5) \times (((5^5 - 5)/5 + 5) + 5) \\
&:= 6 + ((66 \times (6 \times 6 - 6 + 66)) - ((6+6)/6)) \\
&:= 77 \times (77+7) - ((7+7)/7)^7 \\
&:= 8 \times 8/(8+8) + 88 \times (8 \times 8+8) \\
&:= 99 + ((9 \times 9 - ((9+9)/9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6341 &:= 1 + ((1+1) \times (11 + (1111 + (1+1)^{11}))) \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} - 222) \\
&:= (3 \times (3+3))^3 + (((3-3/3)^{3 \times 3}) - 3) \\
&:= 4 + ((4 \times (44 \times (4 \times (4+4) + 4))) + 4/4) \\
&:= 5/5 + ((5+5) \times (((5^5 - 5)/5 + 5) + 5)) \\
&:= 6 + ((66 \times (6 \times 6 - 6 + 66)) - 6/6) \\
&:= 7 + ((777/7 \times ((7/7 + 7 \times 7) + 7)) + 7) \\
&:= 8 + ((88 \times (8 \times 8+8) - (88/8)) + 8) \\
&:= 9 \times 9 \times 9 \times 9 - ((99/9) \times (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6342 &:= (1+1) \times (1 + (11 + (1111 + (1+1)^{11}))) \\
&:= (2/2 + 2) \times ((2 \times 22 + 2)^2 - 2) \\
&:= 3 + ((3 \times (33 \times ((3/3+3)^3))) + 3) \\
&:= 4 + ((4 \times (44 \times (4 \times (4+4) + 4))) + (4+4)/4) \\
&:= 5 + (((5+5)/5)^5 + 5^5) + 5^5 + 55 \\
&:= 6 + (66 \times (6 \times 6 - 6 + 66)) \\
&:= 7 + (7 \times (((7+7)/7)^7 + 777)) \\
&:= 8 + (88 \times (8 \times 8+8) - ((8+8)/8)) \\
&:= 9 \times 9 \times 9 \times 9 - ((999/9 + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6343 &:= 1 + ((1+1) \times (1 + (11 + (1111 + (1+1)^{11})))) \\
&:= 2 + (((2/2 + 2)^{2 \times (2+2)} - 222) + 2) \\
&:= 3 + (((3 \times (33 \times ((3/3+3)^3))) + 3/3) + 3) \\
&:= 4 + (((4 \times (44 \times (4 \times (4+4) + 4))) - 4/4) + 4) \\
&:= 5 + ((5+5)/5 \times ((55 - (55/5)) + 5^5)) \\
&:= 6 + ((66 \times (6 \times 6 - 6 + 66)) + 6/6) \\
&:= 7 + ((7 \times (((7+7)/7)^7 + 777)) + 7/7) \\
&:= 8 + (88 \times (8 \times 8+8) - 8/8) \\
&:= 99 + ((9 - (9+9)/9) \times (9 \times 99 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6344 &:= (1+1) \times ((1+1) \times (1 + (1 + (11 \times (1+11)^{1+1})))) \\
&:= (22/2 + 2) \times (22^2 + 2 + 2) \\
&:= (3 \times (3+3))^3 + ((3-3/3)^{3 \times 3}) \\
&:= 4 + ((4 \times (44 \times (4 \times (4+4) + 4))) + 4) \\
&:= ((5+5) \times (5^5/5 + 5 + 5)) - (5/5 + 5) \\
&:= ((6+6)/6 + 6) \times (66 \times (6+6) + 6/6) \\
&:= ((7+7)/7)^7 + ((7/7 + 7) \times 777) \\
&:= 8 + 88 \times (8 \times 8+8) \\
&:= (((9+9)/9)^9) + 9 \times 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6345 &:= (11 \times (1 + (((1+1) \times (1+11))^{1+1}))) - 1 - 1 \\
&:= (2/2 + 2) \times ((2 \times 22 + 2)^2 - 2/2) \\
&:= 3 \times ((33 \times ((3/3+3)^3)) + 3) \\
&:= 44 + (((4-4/4)^{4+4}) - (4^4 + 4)) \\
&:= ((5+5) \times (5^5/5 + 5 + 5)) - 5 \\
&:= ((6 \times 6/(6+6))^{6+(6+6)/6}) - 6 \times 6 \times 6 \\
&:= (7 \times 7 - (7+7)/7) \times (((7+7)/7)^7 + 7) \\
&:= 8 + (88 \times (8 \times 8+8) + 8/8) \\
&:= 9 + (99 \times (9 \times 9 - 9 - 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6346 &:= (11 \times (1 + (((1+1) \times (1+11))^{1+1}))) - 1 \\
&:= ((2/2 + 2) \times (2 \times 22 + 2)^2) - 2 \\
&:= 3/3 + (3 \times ((33 \times ((3/3+3)^3)) + 3)) \\
&:= (44 - 4)/4 + (4 \times (44 \times (4 \times (4+4) + 4))) \\
&:= 5/5 + (((5+5) \times (5^5/5 + 5 + 5)) - 5) \\
&:= ((66 - 6)/6) + (66 \times (6 \times 6 - 6 + 66)) \\
&:= 77/7 + (7 \times (((7+7)/7)^7 + 777)) \\
&:= 8 + (88 \times (8 \times 8+8) + ((8+8)/8)) \\
&:= 9 + ((99 \times (9 \times 9 - 9 - 9) + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6347 &:= 11 \times (1 + (((1+1) \times (1+11))^{1+1})) \\
&:= 22/2 \times (((22+2)^2) + 2/2) \\
&:= 33/3 \times (((3 \times 3 + 3)^3 + 3)/3) \\
&:= 44/4 + (4 \times (44 \times (4 \times (4+4) + 4))) \\
&:= (5+5)/5 + (((5+5) \times (5^5/5 + 5 + 5)) - 5) \\
&:= 66/6 + (66 \times (6 \times 6 - 6 + 66)) \\
&:= 7 + (77 \times (77+7) - ((7+7)/7)^7) \\
&:= 88/8 + 88 \times (8 \times 8+8) \\
&:= 99 + (99 \times (9 \times 9 - 9 - 9) + 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6348 &:= (1+11) \times (1+11+11)^{1+1} \\
&:= (2/2+2) \times (2 \times 22+2)^2 \\
&:= 3 + (3 \times ((33 \times ((3/3+3)^3)) + 3)) \\
&:= 4 \times (((44/4)^{4-4/4}) + 4^4) \\
&:= (5+5)/5 \times ((55 - (5/5+5)) + 5^5) \\
&:= 6 + ((66 \times (6 \times 6 - 6 + 66)) + 6) \\
&:= 77 + ((7 \times (7 \times ((7+7)/7)^7)) - 7/7) \\
&:= ((88+8)/8) + 88 \times (8 \times 8 + 8) \\
&:= 999/9 + 99 \times (9 \times 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6349 &:= 1 + ((1+11) \times (1+11+11)^{1+1}) \\
&:= 2 + (22/2 \times (((22+2)^2) + 2/2)) \\
&:= 3 + ((3 \times ((33 \times ((3/3+3)^3)) + 3)) + 3/3) \\
&:= 44 + (((4-4/4)^{4+4}) - 4^4) \\
&:= ((5+5) \times (5^5/5 + 5 + 5)) - 5/5 \\
&:= 6 + (((66 \times (6 \times 6 - 6 + 66)) + 6/6) + 6) \\
&:= 77 + (7 \times (7 \times ((7+7)/7)^7)) \\
&:= (8 - 8/8) \times ((888 + 88/8) + 8) \\
&:= 9 + (((9 \times 9 - ((9+9)/9))^{(9+9)/9}) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6350 &:= 1 + (1 + ((1+11) \times (1+11+11)^{1+1})) \\
&:= 2 + ((2/2+2) \times (2 \times 22+2)^2) \\
&:= 3 + (33/3 \times (((3 \times 3+3)^3 + 3)/3)) \\
&:= 44 + (((4-4/4)^{4+4}) - 4^4) + 4/4 \\
&:= (5+5) \times (5^5/5 + 5 + 5) \\
&:= 6 + (((6+6)/6 + 6) \times (66 \times (6+6) + 6/6)) \\
&:= 7/7 + ((7 \times (7 \times ((7+7)/7)^7)) + 77) \\
&:= 8 + ((88 \times (8 \times 8 + 8) - ((8+8)/8)) + 8) \\
&:= 9 \times 9 \times 9 - 9 - ((999+9)/9) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6351 &:= 1 + (1 + (1 + ((1+11) \times (1+11+11)^{1+1}))) \\
&:= (2/2+2) \times ((2 \times 22+2)^2 + 2/2) \\
&:= 33 + (3 \times (3 \times (3^{3+3} - 3^3))) \\
&:= (4 \times ((44 \times (4 \times (4+4) + 4)) + 4)) - 4/4 \\
&:= 5/5 + ((5+5) \times (5^5/5 + 5 + 5)) \\
&:= 6 + (((6 \times 6)/(6+6))^{6+(6+6)/6}) - 6 \times 6 \times 6 \\
&:= (((7+7)/7)^7 \times (7/7 + 7 \times 7)) - 7 \times 7 \\
&:= 8 + ((88 \times (8 \times 8 + 8) - 8/8) + 8) \\
&:= 9 \times 9 \times 9 - 9 - (999/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6352 &:= 111 + (((11-1-1)^{1+1} - (1+1))^{1+1}) \\
&:= 2 + (((2/2+2) \times (2 \times 22+2)^2) + 2) \\
&:= 3^3 + (33/3 \times (((3 \times 3+3)^3 - 3)/3)) \\
&:= 4 \times ((44 \times (4 \times (4+4) + 4)) + 4) \\
&:= (5+5)/5 + ((5+5) \times (5^5/5 + 5 + 5)) \\
&:= (((66-6)/6) + 6) \times (6 \times 66 + 6/6) \\
&:= 7 + (7 \times 7 - (7+7)/7) \times (((7+7)/7)^7 + 7) \\
&:= 8 + (88 \times (8 \times 8 + 8) + 8) \\
&:= 9 \times 9 \times 9 + (((99/9) \times ((9+9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6353 &:= 1 + (111 + (((11-1-1)^{1+1} - (1+1))^{1+1})) \\
&:= 2 + ((2/2+2) \times ((2 \times 22+2)^2 + 2/2)) \\
&:= 3 + ((33/3 \times (((3 \times 3+3)^3 + 3)/3)) + 3) \\
&:= 4 + (((4-4/4)^{4+4}) - 4^4) + 44 \\
&:= ((5+5)/5 \times ((55 - 5/5) + 5^5)) - 5 \\
&:= 6 + ((66 \times (6 \times 6 - 6 + 66)) + (66/6)) \\
&:= 7 \times 7 + ((7/7+7) \times (77/7 + 777)) \\
&:= 8 + ((88 \times (8 \times 8 + 8) + 8/8) + 8) \\
&:= 9 + (9 \times 9 \times (9 \times 9 - 9) + ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6354 &:= (1+1) \times (11 + ((1+1) \times ((11 \times (1+11)^{1+1}) - 1))) \\
&:= (2/2+2) \times ((2 \times 22+2)^2 + 2) \\
&:= 3 \times (((33 \times ((3/3+3)^3)) + 3) + 3) \\
&:= (4+4)/4 + (4 \times ((44 \times (4 \times (4+4) + 4)) + 4)) \\
&:= 5 + (((5+5) \times (5^5/5 + 5 + 5)) - 5/5) \\
&:= 6 + (((66 \times (6 \times 6 - 6 + 66)) + 6) + 6) \\
&:= 7 + ((77 \times (77+7) - ((7+7)/7)^7) + 7) \\
&:= (8/8+8) \times (((8+8)/8) + 8 \times 88) \\
&:= 9 \times 9 \times 9 - 9 - (99 + 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6355 &:= (1+1) \times 111 + (((1+1+1) \times (1+1)^{11}) - 11) \\
&:= 2/2 + ((2/2+2) \times ((2 \times 22+2)^2 + 2)) \\
&:= 3/3 + (3 \times (((33 \times ((3/3+3)^3)) + 3) + 3)) \\
&:= 4 + ((4 \times ((44 \times (4 \times (4+4) + 4)) + 4)) - 4/4) \\
&:= 5 + ((5+5) \times (5^5/5 + 5 + 5)) \\
&:= (6-6/6) \times ((6 \times (6 \times 6 - 6) + (66/6))) \\
&:= 7 + (((7 \times (7 \times ((7+7)/7)^7)) - 7/7) + 77) \\
&:= 8 + (88 \times (8 \times 8 + 8) + (88/8)) \\
&:= 9/9 + (9 \times 9 \times 9 - 9 - (99 + 99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6356 &:= (1+1) \times ((11 \times (1 + ((1+1) \times (1+11)^{1+1}))) - 1) \\
&:= 2 \times ((2 \times (2 \times (22-2))^2) - 22) \\
&:= (3^3 + 3/3) \times ((3+3)^3 + 33/3) \\
&:= 4 + (4 \times ((44 \times (4 \times (4+4) + 4)) + 4)) \\
&:= 5^5 + ((555/5 - 5) + 5^5) \\
&:= 6 + (((6+6)/6 + 6) \times (66 \times (6+6) + 6/6)) + 6 \\
&:= 7 + ((7 \times (7 \times ((7+7)/7)^7)) + 77) \\
&:= 8 + (88 \times (8 \times 8 + 8) + ((88+8)/8)) \\
&:= (9 - (9+9)/9) \times (((9 \times 99 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6357 &:= (11 \times (1 + (1 + ((1+1) \times (1+11)^{1+1})))) - 1 \\
&:= (22 \times ((2^{2+2} + 2/2)^2)) - 2/2 \\
&:= ((3^3 + 3) \times ((3+3)^3 - 3)) - 33 \\
&:= 4 + (((4-4/4)^{4+4}) - 4^4) + 44 + 4 \\
&:= 5^5 + (((555+5)/5 - 5) + 5^5) \\
&:= 66 \times 66 + ((6 \times 666 + 6)/(6+6)/6) \\
&:= 77 \times (77+7) - 777/7 \\
&:= 8 + (88 \times (8 \times 8 + 8) + (88+8+8)/8) \\
&:= 9 + (99 \times (9 \times 9 - 9 - 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6358 &:= 11 \times (1 + (1 + ((1+1) \times (1+11)^{1+1}))) \\
&:= 22 \times ((2^{2+2} + 2/2)^2) \\
&:= 33/3 \times (((3 \times 3+3)^3 - 3)/3) + 3 \\
&:= 4 + ((4 \times ((44 \times (4 \times (4+4) + 4)) + 4)) + (4+4)/4) \\
&:= (5+5)/5 \times ((55 - 5/5) + 5^5) \\
&:= 6 + (((66-6)/6) + 6) \times (6 \times 66 + 6/6) \\
&:= 77 \times (77+7) + ((7-777)/7) \\
&:= 88/8 \times (8 \times (8 \times 8 + 8) + ((8+8)/8)) \\
&:= 99/9 \times ((9 \times (9 \times 9 - 9 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6359 &:= 1 + (11 \times (1 + (1 + ((1+1) \times (1+11)^{1+1})))) \\
&:= 2/2 + (22 \times ((2^{2+2} + 2/2)^2)) \\
&:= 3 + ((3^3 + 3/3) \times ((3+3)^3 + 33/3)) \\
&:= ((44-4) \times (4 \times (44-4) - 4/4)) - 4/4 \\
&:= ((5+5) \times ((55+5^5)/5)) - 5/5 \\
&:= 66666/6 - (6 \times 66 \times (6+6)) \\
&:= ((77-7) \times (77+7+7)) - 77/7 \\
&:= 8 + (((88 \times (8 \times 8 + 8) - 8/8) + 8) + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - (((999+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6360 &:= (1+11) \times (1 + (1+11+11)^{1+1}) \\
&:= 2 + (22 \times ((2^{2+2} + 2/2)^2)) \\
&:= (3^3 + 3) \times ((3+3)^3 - (3/3+3)) \\
&:= (44-4) \times (4 \times (44-4) - 4/4) \\
&:= (5+5) \times ((55+5^5)/5) \\
&:= (6-66) \times (6 - (666+6)/6) \\
&:= (7/7+7) \times ((77/7+777) + 7) \\
&:= 8 + ((88 \times (8 \times 8 + 8) + 8) + 8) \\
&:= (99+9)/9 \times (((9+9)/9)^9 + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6361 &:= 1 + ((1+11) \times (1 + (1+11+11)^{1+1})) \\
&:= 2 + ((22 \times ((2^{2+2} + 2/2)^2)) + 2/2) \\
&:= 3 + (33/3 \times (((3 \times 3+3)^3 - 3)/3) + 3) \\
&:= 4/4 + ((44-4) \times (4 \times (44-4) - 4/4)) \\
&:= 5^5 + (555/5 + 5^5) \\
&:= (6 \times (666 + 6 \times 66)) - 66/6 \\
&:= ((77-7) \times (77+7+7)) - ((7+7)/7 + 7) \\
&:= 8 + (((88 \times (8 \times 8 + 8) + 8/8) + 8) + 8) \\
&:= 9 \times 9 \times 9 + ((99/9) \times ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6362 &:= 1 + (1 + ((1+11) \times (1 + (1+11+11)^{1+1}))) \\
&:= 2 + ((22 \times ((2^{2+2} + 2/2)^2)) + 2) \\
&:= 3^3 + ((3 \times (33 \times ((3/3+3)^3))) - 3/3) \\
&:= 44 + (4 \times 4444/(4+4) + (4+4)^4) \\
&:= 5^5 + ((555+5)/5 + 5^5) \\
&:= (6-66)/6 + (6 \times (666 + 6 \times 66)) \\
&:= ((77-7) \times (77+7+7)) - (7/7+7) \\
&:= 8 + ((8/8+8) \times (((8+8)/8) + 8 \times 88)) \\
&:= 9 \times 9 \times 9 - 9 - ((9/9+99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6363 &:= (1+1) \times 111 + ((1+1+1) \times ((1+1)^{11} - 1)) \\
&:= 2 + (((22 \times ((2^{2+2} + 2/2)^2)) + 2/2) + 2) \\
&:= 3 \times ((33 \times ((3/3 + 3)^3)) + 3 \times 3) \\
&:= ((4^4 - 4)/4) \times (4444/44) \\
&:= 5 + ((5+5)/5 \times ((55 - 5/5) + 5^5)) \\
&:= (6 \times (6 \times 6 \times (6 \times 6 - 6))) - (666/6 + 6) \\
&:= ((77 - 7) \times (77 + 7 + 7)) - 7 \\
&:= 8 + ((88 \times (8 \times 8 + 8) + (88/8)) + 8) \\
&:= 9 \times 9 \times 9 \times 9 - (99 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6364 &:= ((1+1) \times (111 - 1)) + ((1+1+1) \times (1+1)^{11}) \\
&:= 2 \times ((2 \times ((2 \times (22 - 2))^2 + 2)) - 22) \\
&:= 3^3 + ((3 \times (33 \times ((3/3 + 3)^3))) + 3/3) \\
&:= 4 + ((44 - 4) \times (4 \times (44 - 4) - 4/4)) \\
&:= 5 + (((5+5) \times ((55 + 5^5)/5)) - 5/5) \\
&:= ((6+6)/6)^6 + ((6 - 6 \times 6) \times (6 - 6 \times 6 \times 6)) \\
&:= 7 + (77 \times (77 + 7) - 777/7) \\
&:= 8 + ((88 \times (8 \times 8 + 8) + (88 + 8)/8) + 8) \\
&:= 9/9 + (9 \times 9 \times 9 \times 9 - (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6365 &:= (1+1) \times 111 + (((1+1+1) \times (1+1)^{11}) - 1) \\
&:= (2/2 + 2)^{2 \times (2+2)} - ((2^{2+2} - 2)^2) \\
&:= ((3 \times (3+3)) + 3/3) \times ((333 - 3/3) + 3) \\
&:= ((4 - 4/4)^{4+4}) - ((4 \times (44 + 4)) + 4) \\
&:= 5 + ((5+5) \times ((55 + 5^5)/5)) \\
&:= (6 \times (666 + 6 \times 66)) - 6/6 - 6 \\
&:= 7 + (77 \times (77 + 7) + ((7 - 777)/7)) \\
&:= (88 - 8/8 + 8) \times ((88/8 - 8) + 8 \times 8) \\
&:= (9+9)/9 + (9 \times 9 \times 9 \times 9 - (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6366 &:= (1+1) \times 111 + ((1+1+1) \times (1+1)^{11}) \\
&:= (2^{2+2} \times ((22 - 2)^2 - 2)) - 2 \\
&:= 3 + ((3 \times (33 \times ((3/3 + 3)^3))) + 3^3) \\
&:= 4/4 + (((4 - 4/4)^{4+4}) - ((4 \times (44 + 4)) + 4)) \\
&:= 5 + (((555/5 + 5^5) + 5^5)) \\
&:= (6 \times (666 + 6 \times 66)) - 6 \\
&:= 7 + (((77 - 7) \times (77 + 7 + 7)) - (77/7)) \\
&:= 8 + (88 \times (8 \times 8 + 8) + (88 + 88)/8) \\
&:= 9 + ((99 \times (9 \times 9 - 9 - 9) + 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6367 &:= 1 + ((1+1) \times 111 + ((1+1+1) \times (1+1)^{11})) \\
&:= (2^{2+2} \times ((22 - 2)^2 - 2)) - 2/2 \\
&:= ((3 \times 3^3 - 3/3)^{3-3/3}) - 3/3 \\
&:= 4 + (((4^4 - 4)/4) \times (4444/44)) \\
&:= 5 + (((555 + 5)/5 + 5^5) + 5^5) \\
&:= 6/6 + ((6 \times (666 + 6 \times 66)) - 6) \\
&:= 7 + ((7/7 + 7) \times ((77/7 + 777) + 7)) \\
&:= 8 + (((88 \times (8 \times 8 + 8) - 8/8) + 8) + 8) + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - ((999 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6368 &:= ((1+1) \times (1+111)) + ((1+1+1) \times (1+1)^{11}) \\
&:= 2^{2+2} \times ((22 - 2)^2 - 2) \\
&:= (33 - 3/3) \times (33 \times (3+3) + 3/3) \\
&:= 4 \times (((44 \times (4 \times (4+4) + 4)) + 4) + 4) \\
&:= (5+5)/5 \times (((55 - 5/5) + 5^5) + 5) \\
&:= (6+6)/6 + ((6 \times (666 + 6 \times 66)) - 6) \\
&:= ((77 - 7) \times (77 + 7 + 7)) - (7+7)/7 \\
&:= 8 + (((88 \times (8 \times 8 + 8) + 8) + 8) + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6369 &:= 11 \times (1 + (1 + (1 + ((1+1) \times (1+11))^{1+1}))) \\
&:= 2/2 + (2^{2+2} \times ((22 - 2)^2 - 2)) \\
&:= 3 \times (3 \times 3^{3+3} - ((3/3 + 3)^3)) \\
&:= ((4 - 4/4)^{4+4}) - (4 \times (44 + 4)) \\
&:= 5^5 + ((5 \times 5 \times 5 - (5/5 + 5)) + 5^5) \\
&:= (6 \times (6 \times 6 \times (6 \times 6 - 6))) - 666/6 \\
&:= ((77 - 7) \times (77 + 7 + 7)) - 7/7 \\
&:= (88/8 - 8)^8 - 8 \times (8 + 8 + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6370 &:= 1 + (11 \times (1 + (1 + (1 + ((1+1) \times (1+11))^{1+1})))) \\
&:= 2 + (2^{2+2} \times ((22 - 2)^2 - 2)) \\
&:= (3^3 - 3/3) \times (((3^{3+3} - 3)/3) + 3) \\
&:= 4/4 + (((4 - 4/4)^{4+4}) - (4 \times (44 + 4))) \\
&:= 5^5 + ((5 \times 5 \times 5 - 5) + 5^5) \\
&:= (6 \times (666 + 6 \times 66)) - (6 + 6)/6 \\
&:= (77 - 7) \times (77 + 7 + 7) \\
&:= (8/8 + 8 \times 8) \times (((8 + 8)/8 + 88) + 8) \\
&:= (9/9 + 9) \times (9 \times (9 \times 9 - 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6371 &:= 11 + ((1+11) \times (1 + (1 + 11 + 11)^{1+1})) \\
&:= 2 + ((2^{2+2} \times ((22 - 2)^2 - 2)) + 2/2) \\
&:= ((3+3) \times (3^{3+3} + 333)) - 3/3 \\
&:= (4/4 + 4 + 4) \times (4 \times 4 \times 44 + 4) - 4/4 \\
&:= 5 + (((555/5 + 5^5) + 5^5) + 5) \\
&:= (6 \times (666 + 6 \times 66)) - 6/6 \\
&:= 7/7 + ((77 - 7) \times (77 + 7 + 7)) \\
&:= 8 + (((88 \times (8 \times 8 + 8) + (88/8)) + 8) + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - (9/9 + 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6372 &:= (1+11) \times (1 + (1 + (1 + 11 + 11)^{1+1})) \\
&:= 2 + ((2^{2+2} \times ((22 - 2)^2 - 2)) + 2) \\
&:= (3+3) \times (3^{3+3} + 333) \\
&:= (4/4 + 4 + 4) \times (4 \times 4 \times 44 + 4) \\
&:= 5^5 + (((555 + 55)/5) + 5^5) \\
&:= 6 \times (666 + 6 \times 66) \\
&:= (7+7)/7 + ((77 - 7) \times (77 + 7 + 7)) \\
&:= (8/8 + 8) \times (8 \times 8/(8+8) + 8 \times 88) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6373 &:= (((((1+1+111)^{1+1}) - 1)/(1+1)) - 11) \\
&:= 2 + (((2^{2+2} \times ((22 - 2)^2 - 2)) + 2/2) + 2) \\
&:= 3/3 + ((3+3) \times (3^{3+3} + 333)) \\
&:= 4 + (((4 - 4/4)^{4+4}) - (4 \times (44 + 4))) \\
&:= 5^5 + ((5 \times 5 \times 5 - ((5+5)/5)) + 5^5) \\
&:= 6/6 + (6 \times (666 + 6 \times 66)) \\
&:= ((77 + 7) \times (77 - 7/7)) - 77/7 \\
&:= 88 \times (8 \times 8 + 8) + 888/(8 + 8 + 8) \\
&:= 9/9 + (9 \times (9 \times 9 \times 9 - 9) - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6374 &:= ((1 + ((1+1+111)^{1+1}))/ (1+1)) - 11 \\
&:= ((2 \times 2 \times (22 - 2))^2) - 22 - 2 - 2 \\
&:= 3 + (((3+3) \times (3^{3+3} + 333)) - 3/3) \\
&:= ((4 - 4/4)^{4+4}) - (4 \times 44 + 44/4) \\
&:= 5^5 + ((5 \times 5 \times 5 - 5/5) + 5^5) \\
&:= (6+6)/6 + (6 \times (666 + 6 \times 66)) \\
&:= 77/7 + (((77 - 7) \times (77 + 7 + 7)) - 7) \\
&:= 8 + ((88 \times (8 \times 8 + 8) + (88 + 88)/8) + 8) \\
&:= (9+9)/9 + (9 \times (9 \times 9 \times 9 - 9) - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6375 &:= 1 + (((1 + ((1+1+111)^{1+1}))/ (1+1)) - 11) \\
&:= ((22 + 2/2) + 2) \times (2^{2 \times (2+2)} - 2/2) \\
&:= 3 + ((3+3) \times (3^{3+3} + 333)) \\
&:= (4/4 + 4) \times (4/4 + 4) \times (4^4 - 4/4) \\
&:= 5 \times (5 \times (5 \times 5 \times (5+5) + 5)) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6 - 6))) - 666/6) \\
&:= (77 - (7+7)/7) \times (7/7 + 77 + 7) \\
&:= 888/8 + ((8/8 + 8) \times (8 \times 88 - 8)) \\
&:= 9 \times 9 \times 9 \times 9 + ((99 + 9)/9 - (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6376 &:= (1+1) \times ((1+1) \times ((11 \times (1 + (1+11)^{1+1})) - 1)) \\
&:= ((2 \times 2 \times (22 - 2))^2) - 22 - 2 \\
&:= 3 + (((3+3) \times (3^{3+3} + 333)) + 3/3) \\
&:= 44 \times 44 + (4444 - 4) \\
&:= 5^5 + ((5 \times 5 \times 5 + 5^5) + 5/5) \\
&:= 6 + ((6 \times (666 + 6 \times 66)) - ((6+6)/6)) \\
&:= 7 + (((77 - 7) \times (77 + 7 + 7)) - 7/7) \\
&:= 8 \times (888 - 88) - 8 - 8 - 8 \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) - ((999 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6377 &:= (((((1+1+111)^{1+1}) - 11)/(1+1)) - 1 - 1) \\
&:= ((2 \times 2 \times (22 - 2))^2) - 22 - 2/2 \\
&:= 33 + (((3 - 3/3)^{3 \times 3}) + (3 \times (3+3))^3) \\
&:= ((4 - 4/4)^{4+4}) - ((4 \times 44 + 4) + 4) \\
&:= 5^5 + ((5 \times 5 \times 5 + ((5+5)/5)) + 5^5) \\
&:= 6 + ((6 \times (666 + 6 \times 66)) - 6/6) \\
&:= 7 + ((77 - 7) \times (77 + 7 + 7)) \\
&:= 8 + ((88/8 - 8)^8 - 8 \times (8 + 8 + 8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) - ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6378 &:= (((1+1+111)^{1+1}) - 11)/(1+1) - 1 \\
&:= ((2 \times 2 \times (22-2))^2) - 22 \\
&:= 3 + (((3+3) \times (3^3+3) + 333)) + 3 \\
&:= 44 \times 44 + (4444 - (4+4)/4) \\
&:= (55 \times (555/5+5)) - (5+5)/5 \\
&:= 6 + (6 \times (666+6 \times 66)) \\
&:= 7 + (((77-7) \times (77+7+7)) + 7/7) \\
&:= 8 + ((8/8+8 \times 8) \times (((8+8)/8+88) + 8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6379 &:= (((1+1+111)^{1+1}) - 11)/(1+1) \\
&:= 2/2 + (((2 \times 2 \times (22-2))^2) - 22) \\
&:= ((3^3+3) \times ((3+3)^3 - 3)) - 33/3 \\
&:= 44 \times 44 + (4444 - 4/4) \\
&:= (55 \times (555/5+5)) - 5/5 \\
&:= 6 + ((6 \times (666+6 \times 66)) + 6/6) \\
&:= 7 + (((77-7) \times (77+7+7)) + ((7+7)/7)) \\
&:= 8 + (((88 \times (8 \times 8+8) + (88/8)) + 8) + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - ((9+9)/9+99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6380 &:= 1 + (((1+1+111)^{1+1}) - 11)/(1+1) \\
&:= 22 \times (((22+2)^2)/2) + 2 \\
&:= 33/3 \times (((3 \times 3+3)^3 + 3)/3) + 3 \\
&:= 44 \times (4^4 - 444/4) \\
&:= 55 \times (555/5+5) \\
&:= (((6+6)/6)^6 - 6) \times ((666-6)/6) \\
&:= 77/7 \times (7 \times (77+7) - (7/7+7)) \\
&:= 88 \times (8 \times 8+8) + (88/((8+8)/8)) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - (9/9+99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6381 &:= 1 + (1 + (((1+1+111)^{1+1}) - 11)/(1+1)) \\
&:= 2/2 + (22 \times (((22+2)^2)/2) + 2) \\
&:= 3 \times (3 \times 3^3+3 - (3^3+33)) \\
&:= ((4-4/4)^{4+4}) - (4 \times 44+4) \\
&:= 5/5 + (55 \times (555/5+5)) \\
&:= 666/6 + (6666 - 6 \times 66) \\
&:= 77/7 + ((77-7) \times (77+7+7)) \\
&:= 8 \times (888-88) - (88/8+8) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6382 &:= 111 + (((1+111)^{1+1})/(1+1)) - 1 \\
&:= 2 + (22 \times (((22+2)^2)/2) + 2) \\
&:= 3 + (((3^3+3) \times ((3+3)^3 - 3)) - 33/3) \\
&:= 4/4 + (((4-4/4)^{4+4}) - (4 \times 44+4)) \\
&:= (5+5)/5 + (55 \times (555/5+5)) \\
&:= ((6+6)/6) \times (((6-6/6)^{6-6/6}) + 66) \\
&:= ((77+7) \times (77-7/7)) - (7+7)/7 \\
&:= 8 \times 8 + ((8/8+8) \times (8 \times 88 - ((8+8)/8))) \\
&:= 9/9 + (9 \times (9 \times 9 \times 9 - 9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6383 &:= 111 + (((1+111)^{1+1})/(1+1)) \\
&:= 2 + (22 \times (((22+2)^2)/2) + 2) + 2/2 \\
&:= 3 + (33/3 \times (((3 \times 3+3)^3 + 3)/3) + 3) \\
&:= (4 \times ((4 \times (444-44)) - 4)) - 4/4 \\
&:= 5 + ((55 \times (555/5+5)) - ((5+5)/5)) \\
&:= 66/6 + (6 \times (666+6 \times 66)) \\
&:= ((77+7) \times (77-7/7)) - 7/7 \\
&:= 8 \times (888-88) - (8/8+8+8) \\
&:= (9+9)/9 + (9 \times (9 \times 9 \times 9 - 9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6384 &:= (((1+1+111)^{1+1}) - 1)/(1+1) \\
&:= 2 \times 2 \times 2 \times (2 \times (22-2)^2 - 2) \\
&:= (333+3) \times ((3 \times (3+3)) + 3/3) \\
&:= 4 \times ((4 \times (444-44)) - 4) \\
&:= 5 + ((55 \times (555/5+5)) - 5/5) \\
&:= 6 + ((6 \times (666+6 \times 66)) + 6) \\
&:= (77+7) \times (77-7/7) \\
&:= 8 \times (888-88) - 8-8 \\
&:= (9-9/9) \times (9 \times (9 \times 9+9) - (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6385 &:= (1 + ((1+1+111)^{1+1}))/ (1+1) \\
&:= 2/2 + 2 \times 2 \times 2 \times (2 \times (22-2)^2 - 2) \\
&:= 3/3 + ((333+3) \times ((3 \times (3+3)) + 3/3)) \\
&:= ((4-4/4)^{4+4}) - 4 \times 44 \\
&:= 5 + (55 \times (555/5+5)) \\
&:= 6 + (((6 \times (666+6 \times 66)) + 6/6) + 6) \\
&:= 7/7 + ((77+7) \times (77-7/7)) \\
&:= (88/8-8)^8 - (88+88) \\
&:= 9 \times 9 \times 9 \times 9 + ((99/9) \times (((9+9)/9) - (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6386 &:= 1 + ((1 + ((1+1+111)^{1+1}))/ (1+1)) \\
&:= 2 + 2 \times 2 \times 2 \times (2 \times (22-2)^2 - 2) \\
&:= ((3^3+3) \times ((3+3)^3 - 3)) - (3/3+3) \\
&:= 4/4 + (((4-4/4)^{4+4}) - 4 \times 44) \\
&:= 5 + ((55 \times (555/5+5)) + 5/5) \\
&:= 6 + (((6+6)/6)^6 - 6) \times ((666-6)/6) \\
&:= (7+7)/7 + ((77+7) \times (77-7/7)) \\
&:= (8 \times 8 - ((8+8)/8)) \times (888/8-8) \\
&:= 9 \times (9 \times 9 \times 9 + 9) - (((9+9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6387 &:= 1 + (1 + ((1 + ((1+1+111)^{1+1}))/ (1+1))) \\
&:= ((2 \times 2 \times (22-2))^2) - (22/2+2) \\
&:= ((3^3+3) \times ((3+3)^3 - 3)) - 3 \\
&:= (44/4 \times ((4/4+4)^4 - 44)) - 4 \\
&:= 5 + ((55 \times (555/5+5)) + ((5+5)/5)) \\
&:= 6 + ((666/6 - 6 \times 66) + 6666) \\
&:= 7 + (77/7 \times (7 \times (77+7) - (7/7+7))) \\
&:= 8 \times (888-88) - (88+8+8)/8 \\
&:= 9 \times (9 \times 9 \times 9 - 9) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6388 &:= (((11-1-1)^{1+1} - 1)^{1+1}) - 1 - 11 \\
&:= 2 \times ((2 \times ((2 \times (22-2))^2 - 2)) - 2) \\
&:= 3/3 + (((3^3+3) \times ((3+3)^3 - 3)) - 3) \\
&:= 4 + (4 \times ((4 \times (444-44)) - 4)) \\
&:= 5^5 + (((5 \times 5 \times 55+5)/(5+5)) + 5^5) \\
&:= 6 + ((6 \times (666+6 \times 66)) + ((66-6)/6)) \\
&:= 7 + (((77-7) \times (77+7+7)) + (77/7)) \\
&:= 8 \times (888-88) - (88+8)/8 \\
&:= 9 \times (9 \times 9 \times 9 - 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6389 &:= (((11-1-1)^{1+1} - 1)^{1+1}) - 11 \\
&:= ((2 \times 2 \times (22-2))^2) - 22/2 \\
&:= ((3^3+3) \times ((3+3)^3 - 3)) - 3/3 \\
&:= 4 + (((4-4/4)^{4+4}) - 4 \times 44) \\
&:= ((5 \times 5 + 55)^{(5+5)/5}) - 55/5 \\
&:= 6 + ((6 \times (666+6 \times 66)) + (66/6)) \\
&:= 77 \times (77+7) - ((7+7)/7+77) \\
&:= 8 \times (888-88) - 88/8 \\
&:= 9 \times (9 \times 9 \times 9 - 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6390 &:= (11 + ((1+1+111)^{1+1}))/ (1+1) \\
&:= (2 \times (2 \times ((2 \times (22-2))^2 - 2))) - 2 \\
&:= (3^3+3) \times ((3+3)^3 - 3) \\
&:= 4 + (((4-4/4)^{4+4}) - 4 \times 44) + 4/4 \\
&:= 5 + ((55 \times (555/5+5)) + 5) \\
&:= 6 + (((6 \times (666+6 \times 66)) + 6) + 6) \\
&:= 77 \times (77+7) - 7/7 - 77 \\
&:= (8/8+8) \times ((8 \times 88 - ((8+8)/8)) + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6391 &:= 1 + ((11 + ((1+1+111)^{1+1}))/ (1+1)) \\
&:= 2 + (((2 \times 2 \times (22-2))^2) - 22/2) \\
&:= 3/3 + ((3^3+3) \times ((3+3)^3 - 3)) \\
&:= 44/4 \times ((4/4+4)^4 - 44) \\
&:= 55/5 + (55 \times (555/5+5)) \\
&:= (66/6+66) \times (66/6+66+6) \\
&:= 77 \times (77-7/7+7) \\
&:= 8 \times (888-88) - (8/8+8) \\
&:= ((9 \times 9 - 9/9)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6392 &:= 1 + (1 + ((11 + ((1+1+111)^{1+1}))/ (1+1))) \\
&:= 2 \times (2 \times ((2 \times (22-2))^2 - 2)) \\
&:= 3 + (((3^3+3) \times ((3+3)^3 - 3)) - 3/3) \\
&:= (4 \times (4 \times (444-44))) - 4 - 4 \\
&:= (5+5)/5 \times (((55/5+55) + 5^5) + 5) \\
&:= ((6+6)/6+6) \times ((66 \times (6+6) + 6/6) + 6) \\
&:= 7/7 + (77 \times (77-7/7+7)) \\
&:= 8 \times (888-88) - 8 \\
&:= 9/9 + (((9 \times 9 - 9/9)^{(9+9)/9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6393 &:= 11^{1+1} + (((1+111)^{1+1})/(1+1)) \\
&:= 2/2 + (2 \times (2 \times ((2 \times (22-2))^2 - 2))) \\
&:= 3 + ((3^3 + 3) \times ((3+3)^3 - 3)) \\
&:= 4 + (((4-4/4)^{4+4}) - 4 \times 44) + 4 \\
&:= 5^5 + (((5-(5+5)/5)^5) + 55 \times 55) \\
&:= (6 \times (66 \times (6+6+6))) - (((6 \times 6/(6+6))^6) + 6) \\
&:= (((7+7)/7)^7 \times (7/7 + 7 \times 7)) - 7 \\
&:= 8/8 + (8 \times (888 - 88) - 8) \\
&:= (9+9)/9 + (((9 \times 9 - 9/9)^{(9+9)/9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6394 &:= 1 + (11^{1+1} + (((1+111)^{1+1})/(1+1))) \\
&:= 2 + (2 \times (2 \times ((2 \times (22-2))^2 - 2))) \\
&:= 3 + (((3^3 + 3) \times ((3+3)^3 - 3)) + 3/3) \\
&:= 4^4 + (((4+4)/4 + 4) \times (4 \times 4^4 - 4/4)) \\
&:= ((5 \times 5 + 55)^{(5+5)/5}) - (5/5 + 5) \\
&:= (((6+6)/6)^6 \times (((6+6)/6)^6 + 6 \times 6)) - 6 \\
&:= 7/7 + (((7+7)/7)^7 \times (7/7 + 7 \times 7)) - 7 \\
&:= (8+8)/8 + (8 \times (888 - 88) - 8) \\
&:= ((9-99)/(9+9)) + 9 \times (9 \times 9 \times 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6395 &:= 11 + (((1+1+111)^{1+1}) - 1)/(1+1) \\
&:= ((2 \times 2 \times (22-2))^2) - 2/2 - 2 - 2 \\
&:= 3 + (((3^3 + 3) \times ((3+3)^3 - 3)) - 3/3) + 3 \\
&:= 4 + (44/4 \times ((4/4 + 4)^4 - 44)) \\
&:= ((5 \times 5 + 55)^{(5+5)/5}) - 5 \\
&:= (6-6/6) \times (6 \times 6 \times 6 \times 6 - (66/6 + 6)) \\
&:= 77/7 + ((77+7) \times (77-7/7)) \\
&:= 88/8 + (8 \times (888 - 88) - (8+8)) \\
&:= ((9-9 \times 9)/(9+9)) + 9 \times (9 \times 9 \times 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6396 &:= 11 + ((1 + ((1+1+111)^{1+1}))/ (1+1)) \\
&:= 2 \times (2 \times (2 \times (22-2))^2) - 2 \\
&:= 3 + (((3^3 + 3) \times ((3+3)^3 - 3)) + 3) \\
&:= (4 \times (4 \times (444 - 44))) - 4 \\
&:= (5/5 + 5)^5 - (5 \times 5 \times 55 + 5) \\
&:= 66 + ((66 \times (6 \times 6 - 6 + 66)) - 6) \\
&:= (77+7)/7 \times ((7 \times 77 - 7) + 7/7) \\
&:= 8 \times (888 - 88) - 8 \times 8/(8+8) \\
&:= (9/9 + 9 \times 9) \times (9 \times 9 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6397 &:= (((11-1-1)^{1+1} - 1)^{1+1}) - 1 - 1 - 1 \\
&:= ((2 \times 2 \times (22-2))^2) - 2/2 - 2 \\
&:= ((3 \times 3^3 - 3/3)^{3-3/3}) - 3 \\
&:= 4/4 + ((4 \times (4 \times (444 - 44))) - 4) \\
&:= 5/5 + ((5/5 + 5)^5 - (5 \times 5 \times 55 + 5)) \\
&:= 6 \times 666 + ((6/6 + 6)^{6-(6+6)/6}) \\
&:= 7 + (77 \times (77+7) - (7/7 + 77)) \\
&:= 8 + (8 \times (888 - 88) - (88/8)) \\
&:= 9 \times (9 \times 9 \times 9 - 9 - 9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6398 &:= (((11-1-1)^{1+1} - 1)^{1+1}) - 1 - 1 \\
&:= ((2 \times 2 \times (22-2))^2) - 2 \\
&:= (33 \times (3+3)^3) - (3^{3+3} + 3/3) \\
&:= (4 \times (4 \times (444 - 44))) - (4+4)/4 \\
&:= ((5 \times 5 + 55)^{(5+5)/5}) - (5+5)/5 \\
&:= 66 \times 66 + (((6+6)/6)^{66/6}) - 6 \\
&:= 7 + (77 \times (77-7/7+7)) \\
&:= 8 \times (888 - 88) - (8+8)/8 \\
&:= 9 \times (9 \times 9 \times 9 - 9 - 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6399 &:= (((11-1-1)^{1+1} - 1)^{1+1}) - 1 \\
&:= ((2 \times 2 \times (22-2))^2) - 2/2 \\
&:= 3 \times (3 \times (3^{3+3} - (3 \times (3+3)))) \\
&:= (4 \times (4 \times (444 - 44))) - 4/4 \\
&:= ((5 \times 5 + 55)^{(5+5)/5}) - 5/5 \\
&:= (6 \times (66 \times (6+6+6))) - ((6 \times 6/(6+6))^6) \\
&:= 7 + ((77 \times (77-7/7+7)) + 7/7) \\
&:= 8 \times (888 - 88) - 8/8 \\
&:= 9 \times (9 \times 9 \times 9 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6400 &:= ((11-1-1)^{1+1} - 1)^{1+1} \\
&:= (2 \times 2 \times (22-2))^2 \\
&:= (3 \times 3^3 - 3/3)^{3-3/3} \\
&:= 4 \times (4 \times (444 - 44)) \\
&:= (5 \times 5 + 55)^{(5+5)/5} \\
&:= ((6+6)/6)^6 \times (((6+6)/6)^6 + 6 \times 6) \\
&:= ((7+7)/7)^7 \times (7/7 + 7 \times 7) \\
&:= 8 \times (888 - 88) \\
&:= (9 \times 9 - 9/9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6401 &:= 1 + (((11-1-1)^{1+1} - 1)^{1+1}) \\
&:= 2/2 + ((2 \times 2 \times (22-2))^2) \\
&:= 3/3 + (((3 \times 3^3 - 3/3)^{3-3/3}) + 3) \\
&:= 4/4 + (4 \times (4 \times (444 - 44))) \\
&:= (5/5 + 5)^5 - 5 \times 5 \times 55 \\
&:= 66 + ((66 \times (6 \times 6 - 6 + 66)) - 6/6) \\
&:= 7/7 + (((7+7)/7)^7 \times (7/7 + 7 \times 7)) \\
&:= 8/8 + 8 \times (888 - 88) \\
&:= 9/9 + ((9 \times 9 - 9/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6402 &:= 1 + (1 + (((11-1-1)^{1+1} - 1)^{1+1})) \\
&:= 2 + ((2 \times 2 \times (22-2))^2) \\
&:= 3 + (3 \times (3 \times (3^{3+3} - (3 \times (3+3)))) \\
&:= (4+4)/4 + (4 \times (4 \times (444 - 44))) \\
&:= 5/5 + ((5/5 + 5)^5 - 5 \times 5 \times 55) \\
&:= 66 + (66 \times (6 \times 6 - 6 + 66)) \\
&:= 77/7 + (77 \times (77-7/7+7)) \\
&:= (8+8)/8 + 8 \times (888 - 88) \\
&:= (9+9)/9 + ((9 \times 9 - 9/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6403 &:= 1 + (1 + (1 + (((11-1-1)^{1+1} - 1)^{1+1}))) \\
&:= 2 + (((2 \times 2 \times (22-2))^2) + 2/2) \\
&:= 3 + (((3 \times 3^3 - 3/3)^{3-3/3}) + 3/3) \\
&:= 4 + ((4 \times (4 \times (444 - 44))) - 4/4) \\
&:= 5 + (((5 \times 5 + 55)^{(5+5)/5}) - ((5+5)/5)) \\
&:= 66 + ((66 \times (6 \times 6 - 6 + 66)) + 6/6) \\
&:= 7 + (((77+7)/7) \times ((7 \times 77 - 7) + 7/7)) \\
&:= 88/8 + (8 \times (888 - 88) - 8) \\
&:= 9 \times (9+9) + ((9 \times 9 - (9+9)/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6404 &:= 1 + (1 + (1 + (1 + (((11-1-1)^{1+1} - 1)^{1+1})))) \\
&:= 2 + (((2 \times 2 \times (22-2))^2) + 2) \\
&:= 3 + (((3 \times 3^3 - 3/3)^{3-3/3}) + 3/3) \\
&:= 4 + (4 \times (4 \times (444 - 44))) \\
&:= 5 + (((5 \times 5 + 55)^{(5+5)/5}) - 5/5) \\
&:= 66 \times 66 + (((6+6)/6)^{66/6}) \\
&:= 7 + ((77 \times (77+7) - (7/7 + 77)) + 7) \\
&:= 8 \times 8/(8+8) + 8 \times (888 - 88) \\
&:= ((9 \times 9 + 9)/(9+9)) + 9 \times (9 \times 9 \times 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6405 &:= (1+1+1) \times (1111 + (1+1)^{11-1}) \\
&:= 2 + (((2 \times 2 \times (22-2))^2) + 2/2 + 2) \\
&:= 3 + (((3 \times (3 \times (3^{3+3} - (3 \times (3+3)))) + 3) \\
&:= 4 + ((4 \times (4 \times (444 - 44))) + 4/4) \\
&:= 5 + ((5 \times 5 + 55)^{(5+5)/5}) \\
&:= (666/6 - 6) \times (66 - 6 + 6/6) \\
&:= 7 + ((77 \times (77-7/7+7)) + 7) \\
&:= 8 + ((8 \times (888 - 88) - (88/8)) + 8) \\
&:= 9 + ((9/9 + 9 \times 9) \times (9 \times 9 - ((9+9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6406 &:= 1 + ((1+1+1) \times (1111 + (1+1)^{11-1})) \\
&:= 2 + (((2 \times 2 \times (22-2))^2) + 2) + 2 \\
&:= 3 + (((3 \times 3^3 - 3/3)^{3-3/3}) + 3) \\
&:= 4 + ((4 \times (4 \times (444 - 44))) + (4+4)/4) \\
&:= 5 + ((5/5 + 5)^5 - 5 \times 5 \times 55) \\
&:= 6 + (((6+6)/6)^6 \times (((6+6)/6)^6 + 6 \times 6)) \\
&:= 7 + (((77 \times (77-7/7+7)) + 7/7) + 7) \\
&:= 8 + (8 \times (888 - 88) - ((8+8)/8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9 - 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6407 &:= 1 + (1 + ((1+1+1) \times (1111 + (1+1)^{11-1}))) \\
&:= (2 \times (2 \times ((2 \times (22-2))^2 + 2))) - 2/2 \\
&:= (3 \times (3+3))^3 + (((3 \times 3 + 3)^3 - 3)/3) \\
&:= 4 + (((4 \times (4 \times (444 - 44))) - 4/4) + 4) \\
&:= 5 + (((5/5 + 5)^5 - 5 \times 5 \times 55) + 5/5) \\
&:= (6 \times ((666 + 6 \times 66) + 6)) - 6/6 \\
&:= 7 + (((7+7)/7)^7 \times (7/7 + 7 \times 7)) \\
&:= 8 + (8 \times (888 - 88) - 8/8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9 - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6408 &:= (1+1+1) \times (1+(1111+(1+1)^{11-1})) \\
&:= 2 \times (2 \times ((2 \times (22-2))^2 + 2)) \\
&:= 3 \times ((3 \times (3^{3+3} - (3 \times (3+3)))) + 3) \\
&:= 4 + ((4 \times (4 \times (444-44))) + 4) \\
&:= (5+5)/5 \times (((55-5/5) + 5^5) + 5 \times 5) \\
&:= 6 \times ((666+6 \times 66) + 6) \\
&:= 77 \times (77+7) - (77/7+7 \times 7) \\
&:= 8+8 \times (888-88) \\
&:= 9+9 \times (9 \times 9 \times 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6409 &:= 11 + (((11-1-1)^{1+1} - 1)^{1+1}) - (1+1) \\
&:= 2/2 + (2 \times (2 \times ((2 \times (22-2))^2 + 2))) \\
&:= 3 \times 3 + ((3 \times 3^3 - 3/3)^{3-3/3}) \\
&:= 4 + (((4 \times (4 \times (444-44))) + 4/4) + 4) \\
&:= ((5+5) \times (((55+5^5)/5) + 5)) - 5/5 \\
&:= 6/6 + (6 \times ((666+6 \times 66) + 6)) \\
&:= 7 + ((77 \times (77-7/7+7)) + (77/7)) \\
&:= 8 + (8 \times (888-88) + 8/8) \\
&:= 9 + ((9 \times 9 - 9/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6410 &:= 11 + (((11-1-1)^{1+1} - 1)^{1+1}) - 1 \\
&:= 2 + (2 \times (2 \times ((2 \times (22-2))^2 + 2))) \\
&:= 3 + (((3 \times 3 + 3)^3 - 3/3) + (3 \times (3+3))^3) \\
&:= (44-4)/4 \times ((4/4+4)^4 + 4 \times 4) \\
&:= (5+5) \times (((55+5^5)/5) + 5) \\
&:= 6 + (((6+6)/6)^{66/6}) + 66 \times 66 \\
&:= 77 \times (77+7) - (((7+7)/7+7 \times 7) + 7) \\
&:= 8 + (8 \times (888-88) + ((8+8)/8)) \\
&:= 99/9 + 9 \times (9 \times 9 \times 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6411 &:= 11 + (((11-1-1)^{1+1} - 1)^{1+1}) \\
&:= 22/2 + ((2 \times 2 \times (22-2))^2) \\
&:= 3 + (((3 \times 3 + 3)^3/3) + (3 \times (3+3))^3) \\
&:= 44/4 + (4 \times (4 \times (444-44))) \\
&:= 5 + (((5/5+5)^5 - 5 \times 5 \times 55) + 5) \\
&:= 6 + ((666/6-6) \times (66-6+6/6)) \\
&:= 77 \times (77+7) - ((7/7+7 \times 7) + 7) \\
&:= 88/8 + 8 \times (888-88) \\
&:= 99/9 + ((9 \times 9 - 9/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6412 &:= 1 + (11 + (((11-1-1)^{1+1} - 1)^{1+1})) \\
&:= 2 \times (2 \times ((2 \times (22-2))^2 + 2)) + 2 \\
&:= 3 + (((3 \times 3^3 - 3/3)^{3-3/3}) + 3 \times 3) \\
&:= (4 \times ((4 \times (444-44)) + 4)) - 4 \\
&:= 55/5 + ((5/5+5)^5 - 5 \times 5 \times 55) \\
&:= 6666 - (6 \times (6 \times 6 + 6) + ((6+6)/6)) \\
&:= 77 \times (77+7) - (7 \times 7 + 7) \\
&:= ((88+8)/8) + 8 \times (888-88) \\
&:= (99+9)/9 + ((9 \times 9 - 9/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6413 &:= 11 \times (11 \times ((111-1)/(1+1) - (1+1))) \\
&:= 2 + (((2 \times 2 \times (22-2))^2) + 22/2) \\
&:= 33/3 \times (((3 \times 3 + 3)^3 + 3)/3 + 3) + 3 \\
&:= 44 + (((4-4/4)^{4+4}) - (4 \times (44+4))) \\
&:= 55 + ((5+5)/5 \times ((55-5/5) + 5^5)) \\
&:= 6666 - (6 \times (6 \times 6 + 6) + 6/6) \\
&:= 7/7 + (77 \times (77+7) - (7 \times 7 + 7)) \\
&:= 88 + (88 \times (8 \times 8 + 8) - (88/8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9 - 9) + ((9 \times 9 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6414 &:= 1 + (11 \times (11 \times ((111-1)/(1+1) - (1+1)))) \\
&:= 2 + (2 \times (2 \times ((2 \times (22-2))^2 + 2)) + 2) \\
&:= 3^3 + (((3^3+3) \times ((3+3)^3 - 3)) - 3) \\
&:= 4 + ((44-4)/4 \times ((4/4+4)^4 + 4 \times 4)) \\
&:= 5^5 + (55 \times (55+5) - (55/5)) \\
&:= 6666 - 6 \times (6 \times 6 + 6) \\
&:= 7 + (((7+7)/7)^7 \times (7/7+7 \times 7)) + 7 \\
&:= 8 + (8 \times (888-88) - ((8+8)/8)) + 8 \\
&:= 9 + (((9/9+9 \times 9) \times (9 \times 9 - ((9+9+9)/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6415 &:= 1 + (1 + (11 \times (11 \times ((111-1)/(1+1) - (1+1)))))) \\
&:= 2 + (((2 \times 2 \times (22-2))^2) + 22/2) + 2 \\
&:= 3 + (((3 \times 3^3 - 3/3)^{3-3/3}) + 3 \times 3) + 3 \\
&:= (4 \times 4 \times (444-4)) - (4/4+4)^4 \\
&:= 5 + ((5+5) \times (((55+5^5)/5) + 5)) \\
&:= 6/6 + (6666 - 6 \times (6 \times 6 + 6)) \\
&:= 7 + (77 \times (77+7) - (77/7+7 \times 7)) \\
&:= 8 + (8 \times (888-88) - 8/8) + 8 \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 9 - 9) - (9+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6416 &:= (1+11)^{1+1} + (((1+111)^{1+1})/(1+1)) \\
&:= 2 \times (2 \times ((2 \times (22-2))^2 + 2) + 2) \\
&:= ((3^3+3) \times (3+3)^3) - ((3/3+3)^3) \\
&:= 4 \times ((4 \times (444-44)) + 4) \\
&:= 55 + ((555/5+5^5) + 5^5) \\
&:= (6 \times (6 \times 6 \times (6 \times 6 - 6))) - ((6+6)/6)^6 \\
&:= (7/7+7) \times (((77/7+777) + 7) + 7) \\
&:= 8 + (8 \times (888-88) + 8) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 9 - 9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6417 &:= (1+1+1)^{(1+1)^{1+1+1}} - (1+11)^{1+1} \\
&:= 2/2 + (((2 \times 2 \times (22-2))^2) + 2^{2+2}) \\
&:= 3 \times ((33 \times ((3/3+3)^3)) + 3^3) \\
&:= 4/4 + (4 \times ((4 \times (444-44)) + 4)) \\
&:= 55 + (((555+5)/5 + 5^5) + 5^5) \\
&:= 6 + (((666/6-6) \times (66-6+6/6)) + 6) \\
&:= 77 \times (77+7) - ((7+7)/7+7 \times 7) \\
&:= (8/8+8) \times ((8 \times 88+8/8) + 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9 - 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6418 &:= (((1+11^{1+1})^{1+1}) - (1+1)^{11})/(1+1) \\
&:= 2 + (((2 \times 2 \times (22-2))^2) + 2^{2+2}) \\
&:= 3^3 + (((3^3+3) \times ((3+3)^3 - 3)) + 3/3) \\
&:= (4+4)/4 + (4 \times ((4 \times (444-44)) + 4)) \\
&:= 5^5 + (55 \times (55+5) - ((5+5)/5 + 5)) \\
&:= 6 + (6666 - (6 \times (6 \times 6 + 6) + ((6+6)/6))) \\
&:= 77 \times (77+7) - (7/7+7 \times 7) \\
&:= 8 + ((8 \times (888-88) + ((8+8)/8)) + 8) \\
&:= 9 + (((9 \times 9 - 9/9)^{(9+9)/9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6419 &:= 1 + (((1+11^{1+1})^{1+1}) - (1+1)^{11})/(1+1) \\
&:= 22 + (((2 \times 2 \times (22-2))^2) - (2/2+2)) \\
&:= 3 + (((3^3+3) \times (3+3)^3) - ((3/3+3)^3)) \\
&:= 4 + ((4 \times 4 \times (444-4)) - (4/4+4)^4) \\
&:= 5^5 + (55 \times (55+5) - (5/5+5)) \\
&:= 6 + (6666 - (6 \times (6 \times 6 + 6) + 6/6)) \\
&:= 77 \times (77+7) - 7 \times 7 \\
&:= 8 + (8 \times (888-88) + (88/8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9 - 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6420 &:= (1+1) \times ((1+1) \times ((11 \times (1+(1+(1+11)^{1+1}))) - 1)) \\
&:= 22 + (((2 \times 2 \times (22-2))^2) - 2) \\
&:= (3^3+3) \times (((3+3)^3 - 3) + 3/3) \\
&:= 4 + (4 \times ((4 \times (444-44)) + 4)) \\
&:= 5^5 + (55 \times (55+5) - 5) \\
&:= 6 + (6666 - 6 \times (6 \times 6 + 6)) \\
&:= 7/7 + (77 \times (77+7) - 7 \times 7) \\
&:= 8 + (8 \times (888-88) + ((88+8)/8)) \\
&:= 9 + (((9 \times 9 - 9/9)^{(9+9)/9}) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6421 &:= 11 + (11 + (((11-1-1)^{1+1} - 1)^{1+1}) - 1) \\
&:= 22 + (((2 \times 2 \times (22-2))^2) - 2/2) \\
&:= 3/3 + ((3^3+3) \times (((3+3)^3 - 3) + 3/3)) \\
&:= 4 + ((4 \times ((4 \times (444-44)) + 4)) + 4/4) \\
&:= 5^5 + ((55 \times (55+5) - 5) + 5/5) \\
&:= 6 + ((6666 - 6 \times (6 \times 6 + 6)) + 6/6) \\
&:= (7+7)/7 + (77 \times (77+7) - 7 \times 7) \\
&:= 8 + ((88 \times (8 \times 8 + 8) - (88/8)) + 88) \\
&:= ((99+99)/9) + 9 \times (9 \times 9 \times 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6422 &:= 11 + (11 + (((11-1-1)^{1+1} - 1)^{1+1})) \\
&:= 22 + ((2 \times 2 \times (22-2))^2) \\
&:= (3^3 - 3/3) \times (((3^{3+3} + 3)/3) + 3) \\
&:= 4 + ((4 \times ((4 \times (444-44)) + 4)) + (4+4)/4) \\
&:= 5^5 + ((55 \times (55+5) - 5) + ((5+5)/5)) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6 - 6))) - ((6+6)/6)^6) \\
&:= (7+7+7)/7 + (77 \times (77+7) - 7 \times 7) \\
&:= 88 + (88 \times (8 \times 8 + 8) - ((8+8)/8)) \\
&:= ((99+9+9)/9) \times (((9+9)/9)^9) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6423 &:= 1 + (11 + (11 + (((11 - 1 - 1)^{1+1} - 1)^{1+1}))) \\
&:= 22 + (((2 \times 2 \times (22 - 2))^2) + 2/2) \\
&:= 33 + ((3^3 + 3) \times ((3 + 3)^3 - 3)) \\
&:= (4 - 4/4) \times (((4 - 4/4) + 4)^4) - (4^4 + 4) \\
&:= 5^5 + (55 \times (55 + 5) - ((5 + 5)/5)) \\
&:= 6666 - ((6 \times 6 / (6 + 6))^{6-6/6}) \\
&:= 77/7 + (77 \times (77 + 7) - (7 \times 7 + 7)) \\
&:= 88 + (88 \times (8 \times 8 + 8) - 8/8) \\
&:= 9 \times 9 \times 9 \times 9 - (((999/9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6428 &:= 1 + (((1 + 1)^{1+11}) + (111 \times (11 + (11 - 1)))) \\
&:= 2 \times ((22 \times (((2 \times (2 + 2 + 2))^2) + 2)) + 2) \\
&:= (33 \times (33 \times (3 + 3) - 3)) - (3/3 + 3 + 3) \\
&:= 4 + (44 \times (((4 - 444)/4) + 4^4)) \\
&:= 5 + ((55 \times (55 + 5) - ((5 + 5)/5)) + 5^5) \\
&:= 6 + (((6 \times (6 \times 6 \times (6 \times 6 - 6))) - ((6 + 6)/6)^6) + 6) \\
&:= 7 + ((77 \times (77 + 7) - 7 \times 7) + ((7 + 7)/7)) \\
&:= 88 + (88 \times (8 \times 8 + 8) + 8 \times 8 / (8 + 8)) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 9 - 9) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6433 &:= 1111 + ((1 + 1) \times (((1 + 1) \times 11^{1+1+1}) - 1)) \\
&:= 2/2 + (2^{2+2} \times ((22 - 2)^2 + 2)) \\
&:= 3/3 + ((33 \times (33 \times (3 + 3) - 3)) - 3) \\
&:= ((4 - 4/4)^{4+4}) - 4 \times 4 \times (4 + 4) \\
&:= (55 \times ((555 + 5)/5 + 5)) - (5 + 5)/5 \\
&:= (6 \times ((6 \times 6 \times (6 \times 6 - 6)) - 6)) - 66/6 \\
&:= 7 + ((77 \times (77 + 7) - 7 \times 7) + 7) \\
&:= (88/8 - 8)^8 - 8 \times (8 + 8) \\
&:= 9 + ((99/9) \times (((9 + 9)/9)^9) - 9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6424 &:= (1 + 1) \times ((1 + 1) \times (11 \times (1 + (1 + (1 + 11)^{1+1})))) \\
&:= 2 + (((2 \times 2 \times (22 - 2))^2) + 22) \\
&:= (33 \times (33 \times (3 + 3) - 3)) - 33/3 \\
&:= 44 \times (((4 - 444)/4) + 4^4) \\
&:= 5^5 + (55 \times (55 + 5) - 5/5) \\
&:= ((6 + 6)/6 + 6) \times (66 \times (6 + 6) + (66/6)) \\
&:= 7 + (77 \times (77 + 7) - ((7 + 7)/7 + 7 \times 7)) \\
&:= 88 + 88 \times (8 \times 8 + 8) \\
&:= 99/9 \times (((9 + 9)/9)^9) - 9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6429 &:= 111 + ((1 + 1) \times (1111 + (1 + 1)^{11})) \\
&:= (2/2 + 2)^{2 \times (2+2)} - 22 \times (2 + 2 + 2) \\
&:= (33 \times (33 \times (3 + 3) - 3)) - 3 - 3 \\
&:= 44 + (((4 - 4/4)^{4+4}) - 4 \times 44) \\
&:= 5 + ((55 \times (55 + 5) - 5/5) + 5^5) \\
&:= ((6/6 - 66) \times ((6 - 666/6) + 6)) - 6 \\
&:= ((77 - 7)/7) + (77 \times (77 + 7) - 7 \times 7) \\
&:= 8 + (((88 \times (8 \times 8 + 8) - (88/8)) + 88) + 8) \\
&:= 999/9 + 9 \times (9 \times 9 \times 9 - 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6434 &:= 1111 + ((11 \times ((11 + 11)^{1+1}) - 1) \\
&:= 2 + (2^{2+2} \times ((22 - 2)^2 + 2)) \\
&:= (33 \times (33 \times (3 + 3) - 3)) - 3/3 \\
&:= 4/4 + (((4 - 4/4)^{4+4}) - 4 \times 4 \times (4 + 4)) \\
&:= (55 \times ((555 + 5)/5 + 5)) - 5/5 \\
&:= (6 - 66)/6 + (6 \times ((6 \times 6 \times (6 \times 6 - 6)) - 6)) \\
&:= 7 + (((77 \times (77 + 7) - 7 \times 7) + 7/7) + 7) \\
&:= 8/8 + ((88/8 - 8)^8 - 8 \times (8 + 8)) \\
&:= 9 + (9 \times (9 \times (9 \times 9 - 9) + 9) + ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6425 &:= 1 + ((1 + 1) \times ((1 + 1) \times (11 \times (1 + (1 + (1 + 11)^{1+1})))))) \\
&:= 2 + (((2 \times 2 \times (22 - 2))^2) + 2/2) + 22) \\
&:= 3 + ((3^3 - 3/3) \times (((3^3 + 3) / 3) + 3)) \\
&:= (4/4 + 4) \times ((4/4 + 4) \times (4/4 + 4^4)) \\
&:= 5^5 + 55 \times (55 + 5) \\
&:= (6 - 6/6) \times (6 \times 6 \times 6 \times 6 - (66/6)) \\
&:= 7 + (77 \times (77 + 7) - (7/7 + 7 \times 7)) \\
&:= 8/8 + (88 \times (8 \times 8 + 8) + 88) \\
&:= (((9 + 9)/9)^9) + 9 \times (9 \times (9 \times 9 - 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6430 &:= 1 + (111 + ((1 + 1) \times (1111 + (1 + 1)^{11}))) \\
&:= (2^{2+2} \times ((22 - 2)^2 + 2)) - 2 \\
&:= 3 + (((3 \times 3^3 - 3/3)^{3-3/3}) + 3^3) \\
&:= 4 + (((44 - 4)/4 \times (4/4 + 4^4)) + 4 \times 44) \\
&:= 5 + (55 \times (55 + 5) + 5^5) \\
&:= (6 - 6/6) \times (((6 - 66)/6) + 6 \times 6 \times 6 \times 6) \\
&:= 77/7 + (77 \times (77 + 7) - 7 \times 7) \\
&:= 8 + ((88 \times (8 \times 8 + 8) - ((8 + 8)/8)) + 88) \\
&:= 9 \times 9 \times 9 \times 9 - ((999 + 99)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6435 &:= 1111 + (11 \times ((11 + 11)^{1+1})) \\
&:= (22/2 + 2) \times (22/2 + 22^2) \\
&:= 33 \times (33 \times (3 + 3) - 3) \\
&:= (4 - 4/4) \times (((4 - 4/4) + 4)^4) - 4^4) \\
&:= 55 \times ((555 + 5)/5 + 5) \\
&:= (6/6 - 66) \times ((6 - 666/6) + 6) \\
&:= (7 \times 77 \times (7 + 7)) - 7777/7 \\
&:= (8/8 + 8) \times (88/8 + 8 \times 88) \\
&:= 99 \times (((999 + 9)/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6426 &:= (11^{1+1} - (1 + 1)) \times ((111 - 1)/(1 + 1) - 1) \\
&:= 2 + (((2 \times 2 \times (22 - 2))^2) + 22) + 2) \\
&:= 3 \times (3 \times ((3^3 + 3) - (3 \times (3 + 3))) + 3) \\
&:= 4 \times 44 + ((44 - 4)/4 \times (4/4 + 4^4)) \\
&:= 5^5 + (55 \times (55 + 5) + 5/5) \\
&:= 6 + ((6666 - 6 \times (6 \times 6 + 6)) + 6) \\
&:= 7 + (77 \times (77 + 7) - 7 \times 7) \\
&:= 88 + (88 \times (8 \times 8 + 8) + ((8 + 8)/8)) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 9 - 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6431 &:= (111 - 1 - 1) \times ((11^{1+1} - 1)/(1 + 1) - 1) \\
&:= (2^{2+2} \times ((22 - 2)^2 + 2)) - 2/2 \\
&:= (33 \times (33 \times (3 + 3) - 3)) - (3/3 + 3) \\
&:= (44/4 \times (4/4 + 4^4)) - 444 \\
&:= 5 + ((55 \times (55 + 5) + 5^5) + 5/5) \\
&:= 6 + ((6 - 6/6) \times (6 \times 6 \times 6 \times 6 - (66/6))) \\
&:= (77 + 7)/7 + (77 \times (77 + 7) - 7 \times 7) \\
&:= 8 + ((88 \times (8 \times 8 + 8) - 8/8) + 88) \\
&:= 9 \times 9 \times 9 \times 9 - (((999 + 9)/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6436 &:= 1 + (1111 + (11 \times ((11 + 11)^{1+1}))) \\
&:= 2 + ((2^{2+2} \times ((22 - 2)^2 + 2)) + 2) \\
&:= 3/3 + (33 \times (33 \times (3 + 3) - 3)) \\
&:= 4 + (4 \times (((4 \times (444 - 44)) + 4) + 4)) \\
&:= 5^5 + (55 \times (55 + 5) + (55/5)) \\
&:= 6 \times (6 \times 66 - 6) + (((6 + 6)/6)^{6+6}) \\
&:= (7 \times 77 \times (7 + 7)) + ((7 - 7777)/7) \\
&:= 8/8 + ((8/8 + 8) \times (88/8 + 8 \times 88)) \\
&:= 9 + (((9 \times 9 - 9/9)^{(9+9)/9}) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6427 &:= ((1 + 1)^{1+11}) + (111 \times (11 + (11 - 1))) \\
&:= 2 + (((2 \times 2 \times (22 - 2))^2) + 2/2) + 22) + 2) \\
&:= 3^3 + ((3 \times 3^3 - 3/3)^{3-3/3}) \\
&:= 44/4 + (4 \times ((4 \times (444 - 44)) + 4)) \\
&:= 5^5 + (55 \times (55 + 5) + ((5 + 5)/5)) \\
&:= (6 \times ((6 \times 6 \times (6 \times 6 - 6)) - 6)) - (66/6 + 6) \\
&:= 7 + ((77 \times (77 + 7) - 7 \times 7) + 7/7) \\
&:= ((8/8 + 8) \times (88/8 + 8 \times 88)) - 8 \\
&:= 9 + (((9 \times 9 - 9/9)^{(9+9)/9}) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6432 &:= 1 + ((111 - 1 - 1) \times ((11^{1+1} - 1)/(1 + 1) - 1)) \\
&:= 2^{2+2} \times ((22 - 2)^2 + 2) \\
&:= (33 \times (33 \times (3 + 3) - 3)) - 3 \\
&:= 4 \times (((4 \times (444 - 44)) + 4) + 4) \\
&:= 5 + ((55 \times (55 + 5) + ((5 + 5)/5)) + 5^5) \\
&:= (6 \times 66 + 6) \times (((66 - 6)/6) + 6) \\
&:= (7 - 7/7) \times ((77 \times (7 + 7) - 7) + 7/7) \\
&:= 8 + (88 \times (8 \times 8 + 8) + 88) \\
&:= 9 \times 9 \times 9 \times 9 - ((999/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6437 &:= (111 \times (1 + 1 + (1 + 111)/(1 + 1))) - 1 \\
&:= 2 + ((22/2 + 2) \times (22/2 + 22^2)) \\
&:= 3 + ((33 \times (33 \times (3 + 3) - 3)) - 3/3) \\
&:= 4 + (((4 - 4/4)^{4+4}) - 4 \times 4 \times (4 + 4)) \\
&:= 5^5 + (55 \times (55 + 5) + ((55 + 5)/5)) \\
&:= (6 \times ((6 \times 6 \times (6 \times 6 - 6)) - 6)) - 6/6 - 6 \\
&:= 7 + ((77 \times (77 + 7) - 7 \times 7) + (77/7)) \\
&:= 88 \times (8 \times 8 + 8) + (8888/88) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 9 - 9) + (99/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6438 &:= 111 \times (1 + 1 + (1 + 111)/(1 + 1)) \\
&:= 222 \times (((22 + 2/2) + 2) + 2) \\
&:= 3 + (33 \times (33 \times (3 + 3) - 3)) \\
&:= 444/4 \times ((4^4 - 4 - 4)/4 - 4) \\
&:= 555/5 \times ((55 - (5 + 5)/5) + 5) \\
&:= (6 \times ((6 \times 6 \times (6 \times 6 - 6)) - 6)) - 6 \\
&:= 777/7 \times (((7 + 7)/7 + 7 \times 7) + 7) \\
&:= (8/8 - 88) \times ((8 - 88)/8 - 8 \times 8) \\
&:= 999/9 \times (((9 \times 99 - 9)/(9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6439 &:= 1 + (111 \times (1 + 1 + (1 + 111)/(1 + 1))) \\
&:= (2222/2) + (222 \times (22 + 2)) \\
&:= 3 + ((33 \times (33 \times (3 + 3) - 3)) + 3/3) \\
&:= 4 + ((4 - 4/4) \times (((4 - 4/4) + 4^4) - 4^4)) \\
&:= 5 + ((55 \times ((555 + 5)/5 + 5)) - 5/5) \\
&:= 6/6 + ((6 \times ((6 \times 6 \times (6 \times 6 - 6)) - 6)) - 6) \\
&:= 7 + ((7 - 7/7) \times ((77 \times (7 + 7) - 7) + 7/7)) \\
&:= 888/8 + (88 \times (8 \times 8 + 8) - 8) \\
&:= 9 \times 9 \times 9 \times 9 - (999 + 99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6440 &:= (1 + 1 + 1)^{(1+1)^{1+1+1}} - 11^{1+1} \\
&:= (2 - 22) \times (2 - ((2^{2+2} + 2)^2)) \\
&:= 3 + (((33 \times (33 \times (3 + 3) - 3)) - 3/3) + 3) \\
&:= (44 - 4) \times (4 \times (44 - 4) + 4/4) \\
&:= 5 + (55 \times ((555 + 5)/5 + 5)) \\
&:= (6 + 6)/6 + ((6 \times ((6 \times 6 \times (6 \times 6 - 6)) - 6)) - 6) - 6 \\
&:= 7 \times 7 + (77 \times (77 - 7/7 + 7)) \\
&:= 8 + ((88 \times (8 \times 8 + 8) + 88) + 8) \\
&:= 9 \times 9 \times 9 \times 9 - ((999 + 9)/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6441 &:= (1 + 1 + 111) \times (1 + (1 + 111)/(1 + 1)) \\
&:= 2/2 + ((2 - 22) \times (2 - ((2^{2+2} + 2)^2))) \\
&:= 3 + ((33 \times (33 \times (3 + 3) - 3)) + 3) \\
&:= 4 + (((4 - 4/4)^{4+4}) - 4 \times 4 \times (4 + 4)) + 4 \\
&:= 5 + ((55 \times ((555 + 5)/5 + 5)) + 5/5) \\
&:= 6 + ((6/6 - 66) \times ((6 - 666/6) + 6)) \\
&:= 7/7 + ((77 \times (77 - 7/7 + 7)) + 7 \times 7) \\
&:= 8 + ((88/8 - 8)^8 - 8 \times (8 + 8)) \\
&:= 9 \times 9 \times 9 \times 9 - (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6442 &:= 1 + ((1 + 1 + 111) \times (1 + (1 + 111)/(1 + 1))) \\
&:= 2 + ((2 - 22) \times (2 - ((2^{2+2} + 2)^2))) \\
&:= 3 + (((33 \times (33 \times (3 + 3) - 3)) + 3/3) + 3) \\
&:= 4 + (444/4 \times ((4^4 - 4 - 4)/4 - 4)) \\
&:= 5^5 + (((5/5 + 5) \times ((5 + 5)/5)^5) + 5^5) \\
&:= (6 \times ((6 \times 6 \times (6 \times 6 - 6)) - 6)) - (6 + 6)/6 \\
&:= 7 + ((7 \times 77 \times (7 + 7)) - 7777/7) \\
&:= (88/8 - 8)^8 - (888/8 + 8) \\
&:= 9 \times 9 \times 9 \times 9 + ((9 - 999)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6443 &:= ((1 + 1) \times (((1 + 1 + 1) \times 1111) - 111)) - 1 \\
&:= 22/2 + (2^{2+2} \times ((22 - 2)^2 + 2)) \\
&:= 3 \times 3 + ((33 \times (33 \times (3 + 3) - 3)) - 3/3) \\
&:= 44 + ((4 \times (4 \times (444 - 44))) - 4/4) \\
&:= 5 + (555/5 \times ((55 - (5 + 5)/5) + 5)) \\
&:= (6 \times ((6 \times 6 \times (6 \times 6 - 6)) - 6)) - 6/6 \\
&:= 77 \times (77 + 7) - (77/7 + 7 + 7) \\
&:= 8 + ((8/8 + 8) \times (88/8 + 8 \times 88)) \\
&:= 9 \times 9 \times 9 \times 9 - ((9/9 + 99 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6444 &:= (1 + 1) \times (((1 + 1 + 1) \times 1111) - 111) \\
&:= 2 \times ((2 \times (2 \times (22 - 2))^2) + 22) \\
&:= 3 \times (((3 \times (3^{3+3} - 3)) - 33) + 3) \\
&:= 44 + (4 \times (4 \times (444 - 44))) \\
&:= (5/5 + 5) \times (((5 - 5/5)^5 - 5) + 55) \\
&:= 6 \times ((6 \times 6 \times (6 \times 6 - 6)) - 6) \\
&:= (77 + 7)/7 \times (7 \times 77 - ((7 + 7)/7)) \\
&:= (8/8 + 8) \times (((88 + 8)/8) + 8 \times 88) \\
&:= 9 \times 9 \times 9 \times 9 - (99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6445 &:= 1 + ((1 + 1) \times (((1 + 1 + 1) \times 1111) - 111)) \\
&:= 2/2 + (((2 \times 2 \times (22 - 2))^2) + 2 \times 22) \\
&:= ((3 + 3)^{3-3/3+3}) - (33/3)^3 \\
&:= 44 + ((4 \times (4 \times (444 - 44))) + 4/4) \\
&:= 5 \times 5 \times (5 \times 55 + 5) - 555 \\
&:= 6/6 + (6 \times ((6 \times 6 \times (6 \times 6 - 6)) - 6)) \\
&:= 7 + (777/7 \times (((7 + 7)/7 + 7 \times 7) + 7)) \\
&:= 888 + ((8 \times (8 \times 88 - 8)) - (88/8)) \\
&:= 9/9 + (9 \times 9 \times 9 \times 9 - (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6446 &:= 11 \times (11 + (((1 + 1) \times (1 + 11))^{1+1}) - 1) \\
&:= 2 + (((2 \times 2 \times (22 - 2))^2) + 2 \times 22) \\
&:= 33/3 + (33 \times (33 \times (3 + 3) - 3)) \\
&:= ((4 - 4/4)^{4+4}) - (444/4 + 4) \\
&:= 5/5 + (5 \times 5 \times (5 \times 55 + 5) - 555) \\
&:= (6 + 6)/6 + (6 \times ((6 \times 6 \times (6 \times 6 - 6)) - 6)) \\
&:= 77/7 \times (7 \times (77 + 7) - ((7 + 7)/7)) \\
&:= 88 \times (8 \times 8 + 8) + (888 - 8)/8 \\
&:= (9 + 9)/9 + (9 \times 9 \times 9 \times 9 - (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6447 &:= 111 + (11 \times (((1 + 1) \times (1 + 11))^{1+1})) \\
&:= 222/2 + (22 \times (((22 + 2)^2)/2)) \\
&:= ((3^3 + 3) \times (3 + 3)^3) - 33 \\
&:= (4 - 4/4) \times (((4 - 4/4) + 4^4) - 4^4) + 4 \\
&:= ((55/5 + 5) + 5) \times (5^5 - 55)/(5 + 5) \\
&:= 666/6 + (66 \times (6 \times 6 - 6 + 66)) \\
&:= 77 \times (77 + 7) - (7 + 7 + 7) \\
&:= 888/8 + 88 \times (8 \times 8 + 8) \\
&:= 9 \times 9 \times 9 \times 9 - ((999 + 9 + 9) + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6448 &:= 1 + (111 + (11 \times (((1 + 1) \times (1 + 11))^{1+1}))) \\
&:= 2 \times (((2 \times (2 \times (22 - 2))^2) + 22) + 2) \\
&:= 3/3 + (((3^3 + 3) \times (3 + 3)^3) - 33) \\
&:= 4 \times ((4 \times ((444 - 44) + 4)) - 4) \\
&:= (5 \times 5 + 5/5) \times (((5 - (5 + 5)/5)^5) + 5) \\
&:= 6666 - (6 \times 6 \times 6 + (6 + 6)/6) \\
&:= 7/7 + (77 \times (77 + 7) - (7 + 7 + 7)) \\
&:= 888 + ((8 \times (8 \times 88 - 8)) - 8) \\
&:= 9 \times 9 \times 9 \times 9 - ((999 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6449 &:= (11^{1+1+1+1}) - ((1 + 1)^{1+1+11}) \\
&:= (2/2 + 2)^{2 \times (2+2)} - (222 + 2)/2 \\
&:= (3 \times 3 \times 3^{3+3}) - ((333 + 3)/3) \\
&:= ((4 - 4/4)^{4+4}) + (4 \times (4 - 4 \times (4 + 4))) \\
&:= 5^5 + ((5/5 + 5) \times (555 - 5/5)) \\
&:= 6666 - (6 \times 6 \times 6 + 6/6) \\
&:= 7 \times 7 + (((7 + 7)/7)^7 \times (7/7 + 7 \times 7)) \\
&:= 8 + (((88/8 - 8)^8 - 8 \times (8 + 8)) + 8) \\
&:= 9 \times 9 \times 9 \times 9 - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6450 &:= (1 + 1 + 1)^{(1+1)^{1+1+1}} - 111 \\
&:= (2^{2 \times (2+2)} + 2) \times ((22 + 2/2) + 2) \\
&:= (3^3 + 3) \times ((3 + 3)^3 - 3/3) \\
&:= ((4 - 4/4)^{4+4}) - 444/4 \\
&:= (5 + 5) \times ((5^5/5 - 5) + 5 \times 5) \\
&:= 6666 - 6 \times 6 \times 6 \\
&:= 77 \times (77 + 7) - (77/7 + 7) \\
&:= (88/8 - 8)^8 - 888/8 \\
&:= 9 \times 9 \times 9 \times 9 - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6451 &:= 1 + (1 + 1 + 1)^{(1+1)^{1+1+1}} - 111 \\
&:= ((2 - 222)/2) + (2/2 + 2)^{2 \times (2+2)} \\
&:= 3/3 + ((3^3 + 3) \times ((3 + 3)^3 - 3/3)) \\
&:= ((4 - 4/4)^{4+4}) + ((4 - 444)/4) \\
&:= 5/5 + ((5 + 5) \times ((5^5/5 - 5) + 5 \times 5)) \\
&:= 6/6 + (6666 - 6 \times 6 \times 6) \\
&:= ((7 - 77)/7) + (77 \times (77 + 7) - 7) \\
&:= ((8 - 888)/8) + (88/8 - 8)^8 \\
&:= 9 \times 9 \times 9 \times 9 + ((9 - 999)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6452 &:= 1 + 1 + (1 + 1 + 1)^{(1+1)^{1+1+1}} - 111 \\
&:= 2 \times ((2 \times ((2 \times (22 - 2))^2) + 2) + 22) \\
&:= (((3^3 + 3) \times (3 + 3)^3) - (3^3 + 3/3)) \\
&:= 4 + (4 \times ((4 \times ((444 - 44) + 4)) - 4)) \\
&:= (5 + 5)/5 + ((5 + 5) \times ((5^5/5 - 5) + 5 \times 5)) \\
&:= (6 + 6)/6 + (6666 - 6 \times 6 \times 6) \\
&:= 77 \times (77 + 7) - (((7 + 7)/7 + 7) + 7) \\
&:= 8 + ((8/8 + 8) \times (((88 + 8)/8) + 8 \times 88)) \\
&:= 9 \times 9 \times 9 \times 9 - (9/9 + 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6453 &:= (11 - 1 - 1) \times ((1 + 1)^{11} - 11^{1+1+1}) \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} + ((2 - 222)/2)) \\
&:= 3 \times (3 \times (3^{3+3} - (3 \times 3 + 3))) \\
&:= (4 + 4)^4 + (((4 - 4/4) + 4)^4) - 44 \\
&:= 5 + ((5 \times 5 + 5/5) \times (((5 - (5 + 5)/5)^5) + 5)) \\
&:= 6666 + ((6 \times 6 / (6 + 6)) - 6 \times 6 \times 6) \\
&:= 77 \times (77 + 7) - (7/7 + 7 + 7) \\
&:= (8 \times ((888 - 88) + 8)) - 88/8 \\
&:= 9 \times 9 \times 9 \times 9 - (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6454 &:= 1 + ((11 - 1 - 1) \times ((1 + 1)^{11} - 11^{1+1+1})) \\
&:= 22 + (2^{2+2} \times ((22 - 2)^2 + 2)) \\
&:= 3/3 + (3 \times (3 \times (3^{3+3} - (3 \times 3 + 3)))) \\
&:= 4 + (((4 - 4/4)^{4+4}) - 444/4) \\
&:= 5^5 + ((5/5 + 5) \times 555 - 5/5) \\
&:= 6 + (6666 - (6 \times 6 \times 6 + (6 + 6)/6)) \\
&:= 77 \times (77 + 7) - (7 + 7) \\
&:= 8 + (88 \times (8 \times 8 + 8) + (888 - 8)/8) \\
&:= 9/9 + (9 \times 9 \times 9 \times 9 - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6455 &:= (11 \times (11 + (((1 + 1) \times (1 + 11))^{1+1}))) - 1 - 1 \\
&:= (22/2 \times (((22 + 2)^2) + 22/2)) - 2 \\
&:= 3 + (((3^3 + 3) \times (3 + 3)^3) - (3^3 + 3/3)) \\
&:= 4 + (((4 - 4/4)^{4+4}) + ((4 - 444)/4)) \\
&:= 5 \times (((5/5 + 5)^{5-5/5}) - 5) \\
&:= 6 + (6666 - (6 \times 6 \times 6 + 6/6)) \\
&:= 7/7 + (77 \times (77 + 7) - (7 + 7)) \\
&:= 8 + (88 \times (8 \times 8 + 8) + 888/8) \\
&:= (9 + 9)/9 + (9 \times 9 \times 9 \times 9 - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6456 &:= (11 \times (11 + (((1 + 1) \times (1 + 11))^{1+1}))) - 1 \\
&:= 2 + (2^{2+2} \times ((22 - 2)^2 + 2)) + 22 \\
&:= 3 + (3 \times (3 \times (3^{3+3} - (3 \times 3 + 3)))) \\
&:= 4444 + ((4 + 4) \times (4^4 - 4) - 4) \\
&:= 55 + ((5/5 + 5)^5 - 5 \times 5 \times 55) \\
&:= 6 + (6666 - 6 \times 6 \times 6) \\
&:= (77 + 7)/7 \times (7 \times 77 - 7/7) \\
&:= 888 + (8 \times (8 \times 88 - 8)) \\
&:= (9 - 9/9) \times (9 \times (9 \times 9 + 9) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6457 &:= 11 \times (11 + (((1 + 1) \times (1 + 11))^{1+1})) \\
&:= 22/2 \times (((22 + 2)^2) + 22/2) \\
&:= 33/3 \times (((3 \times 3 + 3)^3 + 33)/3) \\
&:= 4 + (((4 - 4/4) + 4)^4) - 44 + (4 + 4)^4 \\
&:= 55/5 \times (((5 + 5)/5)^5 + 555) \\
&:= 6 + ((6666 - 6 \times 6 \times 6) + 6/6) \\
&:= 77 \times (77 + 7) - 77/7 \\
&:= (88/8 - 8)^8 - (88 + 8 + 8) \\
&:= 9 + (9 \times 9 \times 9 \times 9 - ((999 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6458 &:= 1 + (11 \times (11 + (((1 + 1) \times (1 + 11))^{1+1}))) \\
&:= ((22 - 2) \times ((2^{2+2} + 2)^2)) - 22 \\
&:= (3 \times (3 \times 3^{3+3} - 33)) - (3/3 + 3) \\
&:= 4 + (((4 - 4/4)^{4+4}) - 444/4 + 4) \\
&:= 5^5 + (((5^5 - 5)/5 + 5 + 5) + 5^5) \\
&:= 6 + ((6666 - 6 \times 6 \times 6) + ((6 + 6)/6)) \\
&:= ((7 - 77)/7) + 77 \times (77 + 7) \\
&:= 8 + ((88/8 - 8)^8 - 888/8) \\
&:= 9 + (9 \times 9 \times 9 \times 9 - ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6459 &:= 1 + (1 + (11 \times (11 + (((1 + 1) \times (1 + 11))^{1+1})))) \\
&:= 2 + (22/2 \times (((22 + 2)^2) + 22/2)) \\
&:= (3 \times (3 \times 3^{3+3} - 33)) - 3 \\
&:= 4444 + ((4 + 4) \times (4^4 - 4) - 4/4) \\
&:= 5 + (((5/5 + 5) \times 555 - 5/5) + 5^5) \\
&:= 6 + (((6 \times 6 / (6 + 6)) - 6 \times 6 \times 6) + 6666) \\
&:= 77 \times (77 + 7) - ((7 + 7)/7 + 7) \\
&:= 8 + (((8 - 888)/8) + (88/8 - 8)^8) \\
&:= 9 + (9 \times 9 \times 9 \times 9 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6460 &:= 1 + (1 + (1 + (11 \times (11 + (((1 + 1) \times (1 + 11))^{1+1})))) \\
&:= (2 - 22) \times (2/2 - ((2^{2+2} + 2)^2)) \\
&:= 3/3 + ((3 \times (3 \times 3^{3+3} - 33)) - 3) \\
&:= (4/4 + 4) \times (((4 + 4)/4 + 4)^4 - 4) \\
&:= 5 + ((5/5 + 5) \times 555 + 5^5) \\
&:= (6 - 6/6) \times ((6 \times 6 \times 6 \times 6 - 6) + ((6 + 6)/6)) \\
&:= 77 \times (77 + 7) - (7/7 + 7) \\
&:= (88 - 8/8 + 8) \times (8 \times 8 / (8 + 8) + 8 \times 8) \\
&:= 9 \times 9 \times 9 \times 9 - ((9 + 9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6461 &:= 11 + (1 + 1 + 1)^{(1+1)^{1+1+1}} - 111 \\
&:= 222 + (((2/2 + 2)^{2+2} - 2)^2) - 2 \\
&:= (3 \times (3 \times 3^{3+3} - 33)) - 3/3 \\
&:= 4/4 + ((4 + 4) \times (4^4 - 4) + 4444) \\
&:= 5^5 + ((5/5 + 5) \times (555 + 5/5)) \\
&:= 66/6 + (6666 - 6 \times 6 \times 6) \\
&:= 77 \times (77 + 7) - 7 \\
&:= 8 + ((8 \times ((888 - 88) + 8)) - (88/8)) \\
&:= 9 \times 9 \times 9 \times 9 - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6462 &:= (11 - 1 - 1) \times ((11 - 1 - 1)^{1+1+1} - 11) \\
&:= (2^{2+2} \times (((22 - 2)^2 + 2) + 2)) - 2 \\
&:= 3 \times (3 \times 3^{3+3} - 33) \\
&:= (4 \times (4 \times ((444 - 44) + 4))) - (4 + 4)/4 \\
&:= (5 + 5)/5 \times ((555/5 - 5) + 5^5) \\
&:= 6 + ((6666 - 6 \times 6 \times 6) + 6) \\
&:= 7/7 + (77 \times (77 + 7) - 7) \\
&:= (88/8 - 8)^8 - (88/8 + 88) \\
&:= 9 \times 9 \times 9 \times 9 - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6463 &:= ((1 + 1)^{1+1+1+1}) - (1 + ((1 + 11)^{1+1+1})) \\
&:= 222 + (((2/2 + 2)^{2+2} - 2)^2) \\
&:= 3/3 + (3 \times (3 \times 3^{3+3} - 33)) \\
&:= (4 \times (4 \times 444 - 4)) - (4/4 + 4)^4 \\
&:= 5 + (((5^5 - 5)/5 + 5 + 5) + 5^5) + 5^5 \\
&:= (6 \times (6 \times 6 \times (6 \times 6 - 6))) - (66/6 + 6) \\
&:= (7 + 7)/7 + (77 \times (77 + 7) - 7) \\
&:= (8 \times ((888 - 88) + 8)) - 8/8 \\
&:= 9/9 + (9 \times 9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6464 &:= ((1 + 1)^{1+1+1+1}) - ((1 + 11)^{1+1+1}) \\
&:= 2^{2+2} \times (((22 - 2)^2 + 2) + 2) \\
&:= 3 + ((3 \times (3 \times 3^{3+3} - 33)) - 3/3) \\
&:= 4 \times (4 \times ((444 - 44) + 4)) \\
&:= (5 + 5)/5 \times (((555 + 5)/5 - 5) + 5^5) \\
&:= ((6 + 6)/6)^6 \times ((66 - 6/6) + 6 \times 6) \\
&:= 7 + (77 \times (77 + 7) - (77/7)) \\
&:= 8 \times ((888 - 88) + 8) \\
&:= (9 + 9)/9 + (9 \times 9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6465 &:= 1 + (((1 + 1)^{1+1+1+1}) - ((1 + 11)^{1+1+1})) \\
&:= 2 + (((2/2 + 2)^{2+2} - 2)^2) + 222 \\
&:= 3 + (3 \times (3 \times 3^{3+3} - 33)) \\
&:= 4/4 + (4 \times (4 \times ((444 - 44) + 4))) \\
&:= 5 + (((5/5 + 5) \times 555 + 5^5) + 5) \\
&:= (6 - 6/6) \times (6 \times 6 \times 6 \times 6 - (6 \times 6 / (6 + 6))) \\
&:= 77 \times (77 + 7) - (7 + 7 + 7)/7 \\
&:= (88/8 - 8)^8 - (88 + 8) \\
&:= 9 \times 9 \times 9 \times 9 + (((9 + 9 + 9)/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6466 &:= ((1 + 1 + 1) \times (111 + (1 + 1)^{11})) - 11 \\
&:= 2 + (2^{2+2} \times (((22 - 2)^2 + 2) + 2)) \\
&:= 3 + ((3 \times (3 \times 3^{3+3} - 33)) + 3/3) \\
&:= 4 \times 4 + (((4 - 4/4)^{4+4}) - 444/4) \\
&:= ((55 + 5/5) + 5) \times (555/5 - 5) \\
&:= 6 \times 6 \times 66 + (((6 + 6)/6)^{6+6}) - 6 \\
&:= 77 \times (77 + 7) - (7 + 7)/7 \\
&:= 8/8 + ((88/8 - 8)^8 - (88 + 8)) \\
&:= 9 \times 9 \times 9 \times 9 + (((9 \times 9 - 9)/9 + 9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6467 &:= 1 + (((1 + 1 + 1) \times (111 + (1 + 1)^{11})) - 11) \\
&:= ((2^{2+2} - 2) \times (22^2 - 22)) - 2/2 \\
&:= 3 + (((3 \times (3 \times 3^{3+3} - 33)) - 3/3) + 3) \\
&:= 4 + ((4 \times (4 \times 444 - 4)) - (4/4 + 4)^4) \\
&:= ((5 + 5)/5 \times (555/5 + 5^5)) - 5 \\
&:= (6 \times (6 \times 6 \times (6 \times 6 - 6))) - (6/6 + 6 + 6) \\
&:= 77 \times (77 + 7) - 7/7 \\
&:= 888 + ((8 \times (8 \times 88 - 8)) + (88/8)) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - (99 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6468 &:= 11 \times (1 + (11 + (((1 + 1) \times (1 + 11))^{1+1}))) \\
&:= (2^{2+2} - 2) \times (22^2 - 22) \\
&:= 3 + ((3 \times (3 \times 3^{3+3} - 33)) + 3) \\
&:= 4 + (4 \times (4 \times ((444 - 44) + 4))) \\
&:= 5^5 + (((5 - (5 + 5)/5)^5) - 5 \times 5) + 5^5 \\
&:= (6 \times (6 \times 6 \times (6 \times 6 - 6))) - 6 - 6 \\
&:= 77 \times (77 + 7) \\
&:= 88/8 \times (((88 + 8)/8) + 8 \times (8 \times 8 + 8)) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6469 &:= 1 + (11 \times (1 + (11 + (((1 + 1) \times (1 + 11))^{1+1})))) \\
&:= 2/2 + ((2^{2+2} - 2) \times (22^2 - 22)) \\
&:= ((3^3 + 3) \times (3 + 3)^3) - 33/3 \\
&:= ((4 - 4/4)^{4+4}) - (44 + 44 + 4) \\
&:= (5 \times ((5/5 + 5)^{5-5/5})) - 55/5 \\
&:= (6 \times (6 \times 6 \times (6 \times 6 - 6))) - 66/6 \\
&:= 7/7 + 77 \times (77 + 7) \\
&:= (88/8 - 8)^8 - (8 \times 8/(8 + 8) + 88) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6470 &:= ((1 + 1 + 1) \times (111 + ((1 + 1)^{11} - (1 + 1)))) - 1 \\
&:= 2 + ((2^{2+2} - 2) \times (22^2 - 22)) \\
&:= ((3 - 33)/3) + ((3^3 + 3) \times (3 + 3)^3) \\
&:= (4/4 + 4) \times (((4 + 4)/4 + 4)^4 - (4 + 4)/4) \\
&:= 5 \times (((5 - 5/5)^5 - 5) + 5 \times 55) \\
&:= (6 - 6/6) \times (6 \times 6 \times 6 \times 6 - ((6 + 6)/6)) \\
&:= (7 + 7)/7 + 77 \times (77 + 7) \\
&:= 8 + ((88/8 - 8)^8 - (88/8 + 88)) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6471 &:= (1 + 1 + 1) \times (111 + ((1 + 1)^{11} - (1 + 1))) \\
&:= (2/2 + 2)^{2 \times (2+2)} - (2 \times 2 \times 22 + 2) \\
&:= 3 \times ((3 \times 3^{3+3} - 33) + 3) \\
&:= (4/4 + 4 + 4) \times ((4 \times (4 \times 44 + 4)) - 4/4) \\
&:= 5 + (((55 + 5/5) + 5) \times (555/5 - 5)) \\
&:= 6 \times 6 \times 66 + (((6 + 6)/6)^{6+6}) - 6/6 \\
&:= (7 + 7 + 7)/7 + 77 \times (77 + 7) \\
&:= 8 + ((8 \times ((888 - 88) + 8)) - 8/8) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6472 &:= 1 + ((1 + 1 + 1) \times (111 + ((1 + 1)^{11} - (1 + 1)))) \\
&:= 2 + (((2^{2+2} - 2) \times (22^2 - 22)) + 2) \\
&:= 3 + (((3^3 + 3) \times (3 + 3)^3) - 33/3) \\
&:= 4 + ((4 \times (4 \times ((444 - 44) + 4))) + 4) \\
&:= (5 + 5)/5 \times (555/5 + 5^5) \\
&:= 6 \times 6 \times 66 + (((6 + 6)/6)^{6+6}) \\
&:= 77/7 + (77 \times (77 + 7) - 7) \\
&:= 8 + (8 \times ((888 - 88) + 8)) \\
&:= 9/9 + (9 \times (9 \times 9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6473 &:= ((1 + 1 + 1) \times (111 + ((1 + 1)^{11} - 1))) - 1 \\
&:= (2/2 + 2)^{2 \times (2+2)} - 2 \times 2 \times 22 \\
&:= 33/3 + (3 \times (3 \times 3^{3+3} - 33)) \\
&:= ((4 - 4/4)^{4+4}) - (44 + 44) \\
&:= 5/5 + ((5 + 5)/5 \times (555/5 + 5^5)) \\
&:= (6 \times (6 \times 6 \times (6 \times 6 - 6))) - 6/6 - 6 \\
&:= 7 + (77 \times (77 + 7) - ((7 + 7)/7)) \\
&:= (88/8 - 8)^8 - 88 \\
&:= (9 + 9)/9 + (9 \times (9 \times 9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6474 &:= (1 + 1 + 1) \times (111 + ((1 + 1)^{11} - 1)) \\
&:= (2/2 + 2) \times ((2 \times 22)^2 + 222) \\
&:= ((3^3 + 3) \times (3 + 3)^3) - 3 - 3 \\
&:= 4/4 + (((4 - 4/4)^{4+4}) - (44 + 44)) \\
&:= (5/5 + 5) \times ((5 - 5/5)^5 + 55) \\
&:= (6 \times (6 \times 6 \times (6 \times 6 - 6))) - 6 \\
&:= 7 + (77 \times (77 + 7) - 7/7) \\
&:= 8/8 + ((88/8 - 8)^8 - 88) \\
&:= 9 \times 9 \times 9 \times 9 + ((99 + 9)/9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6475 &:= 1 + ((1 + 1 + 1) \times (111 + ((1 + 1)^{11} - 1))) \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} - 2 \times 2 \times 22) \\
&:= 3/3 + (((3^3 + 3) \times (3 + 3)^3) - (3 + 3)) \\
&:= (4/4 + 4) \times (((4 + 4)/4 + 4)^4 - 4/4) \\
&:= 5 \times (5 \times (5 \times 55 - 5) - 55) \\
&:= 6/6 + ((6 \times (6 \times 6 \times (6 \times 6 - 6))) - 6) \\
&:= 7 + 77 \times (77 + 7) \\
&:= 88/8 + (8 \times ((888 - 88) + 8)) \\
&:= ((9 - 99)/(9 + 9)) + 9 \times (9 \times 9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6476 &:= ((1 + 1 + 1) \times (111 + (1 + 1)^{11})) - 1 \\
&:= ((22 - 2) \times ((2^{2+2} + 2)^2)) - 2 - 2 \\
&:= ((3^3 + 3) \times (3 + 3)^3) - (3/3 + 3) \\
&:= (4 \times ((4 \times 4 + 4) \times (4 - 4/4)^4)) - 4 \\
&:= 5/5 + (5 \times (5 \times (5 \times 55 - 5) - 55)) \\
&:= (6 + 6)/6 + ((6 \times (6 \times 6 \times (6 \times 6 - 6))) - 6) \\
&:= 7 + (77 \times (77 + 7) + 7/7) \\
&:= 88/8 + ((88/8 - 8)^8 - (88 + 8)) \\
&:= ((9 - 9 \times 9)/(9 + 9)) + 9 \times (9 \times 9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6477 &:= (1 + 1 + 1) \times (111 + (1 + 1)^{11}) \\
&:= (2/2 + 2) \times (222/2 + 2^{22/2}) \\
&:= ((3^3 + 3) \times (3 + 3)^3) - 3 \\
&:= 4 + (((4 - 4/4)^{4+4}) - (44 + 44)) \\
&:= 5 + ((5 + 5)/5 \times (555/5 + 5^5)) \\
&:= (6 \times (6 \times 6 \times (6 \times 6 - 6))) - 6 \times 6/(6 + 6) \\
&:= 7 + (77 \times (77 + 7) + ((7 + 7)/7)) \\
&:= 88 + (8 \times (888 - 88) - (88/8)) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6478 &:= 1 + ((1 + 1 + 1) \times (111 + (1 + 1)^{11})) \\
&:= ((22 - 2) \times ((2^{2+2} + 2)^2)) - 2 \\
&:= 3/3 + (((3^3 + 3) \times (3 + 3)^3) - 3) \\
&:= (4 \times 4 \times 444) - ((4/4 + 4)^4 + 4/4) \\
&:= (5 \times ((5/5 + 5)^{5-5/5})) - (5 + 5)/5 \\
&:= (6 \times (6 \times 6 \times (6 \times 6 - 6))) - (6 + 6)/6 \\
&:= ((77 - 7)/7) + 77 \times (77 + 7) \\
&:= ((8/8 - 88) + 8) \times (8 - ((8 + 8)/8 + 88)) \\
&:= 9 \times (9 \times 9 \times 9 - 9) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6479 &:= 1 + (1 + ((1 + 1 + 1) \times (111 + (1 + 1)^{11}))) \\
&:= ((22 - 2) \times ((2^{2+2} + 2)^2)) - 2/2 \\
&:= ((3^3 + 3) \times (3 + 3)^3) - 3/3 \\
&:= (4 \times 4 \times 444) - (4/4 + 4)^4 \\
&:= (5 \times ((5/5 + 5)^{5-5/5})) - 5/5 \\
&:= (6 \times (6 \times 6 \times (6 \times 6 - 6))) - 6/6 \\
&:= 77/7 + 77 \times (77 + 7) \\
&:= ((88 - 8) \times ((8/8 - 8) + 88)) - 8/8 \\
&:= 9 \times (9 \times 9 \times 9 - 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6480 &:= (1 + 1 + 1) \times (1 + (111 + (1 + 1)^{11})) \\
&:= (22 - 2) \times ((2^{2+2} + 2)^2) \\
&:= (3^3 + 3) \times (3 + 3)^3 \\
&:= 4 \times ((4 \times 4 + 4) \times (4 - 4/4)^4) \\
&:= 5 \times ((5/5 + 5)^{5-5/5}) \\
&:= 6 \times (6 \times 6 \times (6 \times 6 - 6)) \\
&:= (77 + 7)/7 + 77 \times (77 + 7) \\
&:= (88 - 8) \times ((8/8 - 8) + 88) \\
&:= 9 \times (9 \times 9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6481 &:= 1 + ((1 + 1 + 1) \times (1 + (111 + (1 + 1)^{11}))) \\
&:= 2/2 + ((22 - 2) \times ((2^{2+2} + 2)^2)) \\
&:= 3/3 + ((3^3 + 3) \times (3 + 3)^3) \\
&:= ((4 - 4/4)^{4+4}) - (4 \times (4 \times 4 + 4)) \\
&:= 5/5 + (5 \times ((5/5 + 5)^{5-5/5})) \\
&:= 6/6 + (6 \times (6 \times 6 \times (6 \times 6 - 6))) \\
&:= 7 + ((77 \times (77 + 7) - 7/7) + 7) \\
&:= 8 + ((88/8 - 8)^8 - 88) \\
&:= 9/9 + 9 \times (9 \times 9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6482 &:= 1 + (1 + ((1 + 1 + 1) \times (1 + (111 + (1 + 1)^{11})))) \\
&:= 2 + ((22 - 2) \times ((2^{2+2} + 2)^2)) \\
&:= 3 + (((3^3 + 3) \times (3 + 3)^3) - 3/3) \\
&:= 4/4 + (((4 - 4/4)^{4+4}) - (4 \times (4 \times 4 + 4))) \\
&:= (5 + 5)/5 + (5 \times ((5/5 + 5)^{5-5/5})) \\
&:= (6 + 6)/6 + (6 \times (6 \times 6 \times (6 \times 6 - 6))) \\
&:= 7 + (77 \times (77 + 7) + 7) \\
&:= 8 + (((88/8 - 8)^8 - 88) + 8/8) \\
&:= (9 + 9)/9 + 9 \times (9 \times 9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6483 &:= (1+1+1) \times (1+(1+(111+(1+1)^{11}))) \\
&:= 2 + (((22-2) \times ((2^{2+2}+2)^2)) + 2/2) \\
&:= 3 + (((3^3+3) \times (3+3)^3) \\
&:= 4 + ((4 \times 4 \times 444) - (4/4+4)^4) \\
&:= 5 + ((5 \times ((5/5+5)^{5-5/5})) - ((5+5)/5)) \\
&:= (6 \times 6/(6+6)) + (6 \times (6 \times 6 \times (6 \times 6-6))) \\
&:= 7 + ((77 \times (77+7) + 7/7) + 7) \\
&:= 8 + (((88/8-8)^8 - 88) + ((8+8)/8)) \\
&:= ((9+9+9)/9) + 9 \times (9 \times 9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6484 &:= 1 + ((1+1+1) \times (1+(1+(111+(1+1)^{11})))) \\
&:= 2 + (((22-2) \times ((2^{2+2}+2)^2)) + 2) \\
&:= 3 + (((3^3+3) \times (3+3)^3) + 3/3) \\
&:= 4 + (4 \times ((4 \times 4+4) \times (4-4/4)^4)) \\
&:= 5 + ((5 \times ((5/5+5)^{5-5/5})) - 5/5) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6-6))) - ((6+6)/6)) \\
&:= (((7+7+7)/7)^{7+7/7}) - 77 \\
&:= 88/8 + ((88/8-8)^8 - 88) \\
&:= 9 \times (9 \times 9 \times 9 - 9) + ((9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6485 &:= 11 + ((1+1+1) \times (111 + ((1+1)^{11} - 1))) \\
&:= (2/2 + 2 + 2) \times ((2+2+2)^{2+2} + 2/2) \\
&:= 3 + (((3^3+3) \times (3+3)^3) - 3/3) + 3) \\
&:= 4 + (((4-4/4)^{4+4}) - (4 \times (4 \times 4+4))) \\
&:= 5 + (5 \times ((5/5+5)^{5-5/5})) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6-6))) - 6/6) \\
&:= 7 + (77 \times (77+7) + ((77-7)/7)) \\
&:= ((88+8)/8) + ((88/8-8)^8 - 88) \\
&:= 9 \times (9 \times 9 \times 9 - 9) + ((9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6486 &:= (1+1+1) \times (1+(1+(1+(111+(1+1)^{11})))) \\
&:= (2 \times (2 \times ((2 \times (22-2))^2 + 22))) - 2 \\
&:= 3 + (((3^3+3) \times (3+3)^3) + 3) \\
&:= ((4-4/4)^{4+4}) - (44+4^4)/4 \\
&:= 5 + ((5 \times ((5/5+5)^{5-5/5})) + 5/5) \\
&:= 6 + (6 \times (6 \times 6 \times (6 \times 6-6))) \\
&:= 7 + (77 \times (77+7) + (77/7)) \\
&:= (88/8-8)^8 - (88/8+8 \times 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6487 &:= (((1+1+1+111)^{1+1})/(1+1)) - 11 \\
&:= (2 \times (2 \times ((2 \times (22-2))^2 + 22))) - 2/2 \\
&:= 3 + (((3^3+3) \times (3+3)^3) + 3/3) + 3) \\
&:= 4 + (((4 \times 4 \times 444) - (4/4+4)^4) + 4) \\
&:= 5 + ((5 \times ((5/5+5)^{5-5/5})) + ((5+5)/5)) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6-6))) + 6/6) \\
&:= 7 + (77 \times (77+7) + (77+7)/7) \\
&:= 88 + (8 \times (888-88) - 8/8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6488 &:= 11 + ((1+1+1) \times (111 + (1+1)^{11})) \\
&:= 2 \times (2 \times ((2 \times (22-2))^2 + 22)) \\
&:= 3 \times 3 + (((3^3+3) \times (3+3)^3) - 3/3) \\
&:= 4444 + (4^4 \times (4+4) - 4) \\
&:= 5^5 + (((5-(5+5)/5)^5) - 5) + 5^5 \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6-6))) + ((6+6)/6)) \\
&:= 7 + (((77 \times (77+7) - 7/7) + 7) + 7) \\
&:= 88 + 8 \times (888 - 88) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6489 &:= 1 + (11 + ((1+1+1) \times (111 + (1+1)^{11}))) \\
&:= 2/2 + (2 \times (2 \times ((2 \times (22-2))^2 + 22))) \\
&:= 3 \times ((3 \times (3^{3+3} - 3 \times 3)) + 3) \\
&:= (4+4)^4 + (((4-4/4)+4)^4) - (4+4) \\
&:= (55 \times (5 \times 5 \times 5 - 5)) - 555/5 \\
&:= 6666 - (666/6 + 66) \\
&:= 7 + ((77 \times (77+7) + 7) + 7) \\
&:= (88/8-8)^8 - (8 \times 8 + 8) \\
&:= 9 + 9 \times (9 \times 9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6490 &:= (111-1) \times ((11^{1+1} - 1)/(1+1) - 1) \\
&:= 2 + (2 \times (2 \times ((2 \times (22-2))^2 + 22))) \\
&:= 3 \times 3 + (((3^3+3) \times (3+3)^3) + 3/3) \\
&:= (444-4)/4 + (((4^4-4)/4) - 4) \\
&:= (5+5) \times ((5^5-5)/5 + 5 \times 5) \\
&:= (6-6/6) \times (6 \times 6 \times 6 \times 6 + ((6+6)/6)) \\
&:= 7 + (((77 \times (77+7) + 7/7) + 7) + 7) \\
&:= 8/8 + ((88/8-8)^8 - (8 \times 8 + 8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6491 &:= 1 + ((111-1) \times ((11^{1+1} - 1)/(1+1) - 1)) \\
&:= 22/2 + ((22-2) \times ((2^{2+2}+2)^2)) \\
&:= 33/3 + ((3^3+3) \times (3+3)^3) \\
&:= 4444 + (4^4 \times (4+4) - 4/4) \\
&:= 5/5 + ((5+5) \times ((5^5-5)/5 + 5 \times 5)) \\
&:= 66/6 + (6 \times (6 \times 6 \times (6 \times 6-6))) \\
&:= 7 + (((7+7+7)/7)^{7+7/7}) - 77 \\
&:= 88/8 + ((88-8) \times ((8/8-8) + 88)) \\
&:= 99/9 + 9 \times (9 \times 9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6492 &:= (1+1)^{11} + ((1+1) \times ((1+1) \times 1111)) \\
&:= 2^{22/2} + (2 \times 2222) \\
&:= 3 + (((3^3+3) \times (3+3)^3) + 3 \times 3) \\
&:= 4444 + 4^4 \times (4+4) \\
&:= 5^5 + (((5-(5+5)/5)^5) - 5/5) + 5^5 \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6-6))) + 6) \\
&:= (77+7)/7 \times (7 \times 77 + ((7+7)/7)) \\
&:= 8 + (((88/8-8)^8 - 88) + (88/8)) \\
&:= (99+9)/9 + 9 \times (9 \times 9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6493 &:= 1 + ((1+1)^{11} + ((1+1) \times ((1+1) \times 1111))) \\
&:= 2/2 + ((2 \times 2222) + 2^{22/2}) \\
&:= 3 + (((3^3+3) \times (3+3)^3) + 3 \times 3) + 3/3) \\
&:= (4+4)^4 + (((4-4/4)+4)^4) - 4) \\
&:= 5^5 + (((5-(5+5)/5)^5) + 5^5) \\
&:= 6 + (((6 \times (6 \times 6 \times (6 \times 6-6))) + 6/6) + 6) \\
&:= 7 + ((77 \times (77+7) + (77/7)) + 7) \\
&:= (88/8-8)^8 - (8 \times 8/(8+8) + 8 \times 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9) + ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6494 &:= (1+1) \times (111 + ((1+111)/(1+1))^{1+1}) \\
&:= 2 + ((2 \times 2222) + 2^{22/2}) \\
&:= 3 + (((3^3+3) \times (3+3)^3) + 33/3) \\
&:= ((4-4^4)/4) + (((4-4/4)^{4+4}) - 4) \\
&:= (5 \times ((5+5) \times (5 \times 5 \times 5 + 5))) - (5/5+5) \\
&:= 6 + (((6 \times (6 \times 6 \times (6 \times 6-6))) + ((6+6)/6)) + 6) \\
&:= 7 + ((77 \times (77+7) + (77+7)/7) + 7) \\
&:= 8 + ((88/8-8)^8 - (88/8+8 \times 8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) + ((9 \times 9 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6495 &:= 111 + (((1+1+111)^{1+1} - 1)/(1+1)) \\
&:= (2/2+2)^{2 \times (2+2)} - (2^{2+2+2} + 2) \\
&:= 33 + (3 \times (3 \times 3^{3+3} - 33)) \\
&:= (44/4+4) \times (444-44/4) \\
&:= 5 \times ((5-5/5)^5 + 5 \times 55) \\
&:= ((6 \times 6/(6+6))^{6+(6+6)/6}) - 66 \\
&:= 7 + (((77 \times (77+7) - 7/7) + 7) + 7) + 7) \\
&:= (88/8-8)^8 - (((8+8)/8) + 8 \times 8) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 9) - ((9+9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6496 &:= (1+1) \times (((1+(1+111)/(1+1))^{1+1}) - 1) \\
&:= 2 \times (2 \times ((2 \times (22-2))^2 + 22) + 2) \\
&:= (3^3 + 3/3) \times ((3^{3+3} - 33)/3) \\
&:= 4 + (4444 + 4^4 \times (4+4)) \\
&:= (55+5/5) \times (555/5+5) \\
&:= (((6+6)/6)^6 - 6) \times (666+6)/6 \\
&:= 7 + (((77 \times (77+7) + 7) + 7) + 7) \\
&:= 8 + (8 \times (888-88) + 88) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 9) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6497 &:= (((1+1+1+111)^{1+1})/(1+1)) - 1 \\
&:= (2/2+2)^{2 \times (2+2)} - 2^{2+2+2} \\
&:= (3 \times 3 \times 3^{3+3}) - ((3/3+3)^3) \\
&:= (4+4)^4 + (((4-4/4)+4)^4) \\
&:= 5 \times 5 + ((5+5)/5 \times (555/5+5^5)) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6-6))) + (66/6)) \\
&:= 7 + (((77 \times (77+7) + 7/7) + 7) + 7) + 7) \\
&:= (88/8-8)^8 - 8 \times 8 \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6498 &:= ((1+1+1+111)^{1+1})/(1+1) \\
&:= 2 \times (((22/2+2 \times 22)+2)^2) \\
&:= 3 \times ((3 \times (3^{3+3} - (3+3))) - 3) \\
&:= ((4-4^4)/4) + (((4-4/4)^{4+4}) \\
&:= 5 + (((5-(5+5)/5)^5) + 5^5) + 5^5) \\
&:= 6 + (((6 \times (6 \times 6 \times (6 \times 6 - 6))) + 6) + 6) \\
&:= ((77+7)/7+7) \times (7 \times 7 \times 7 - 7/7) \\
&:= 8/8 + ((88/8-8)^8 - 8 \times 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6499 &:= 1 + (((1+1+1+111)^{1+1})/(1+1)) \\
&:= 2 + ((2/2+2)^{2 \times (2+2)} - 2^{2+2+2}) \\
&:= 3/3 + (3 \times ((3 \times (3^{3+3} - (3+3))) - 3)) \\
&:= ((4-4/4)^{4+4}) + (((4-4^4)+4)/4) \\
&:= (5 \times ((5+5) \times (5 \times 5 \times 5 + 5))) - 5/5 \\
&:= 6 + (((6 \times (6 \times 6 \times (6 \times 6 - 6))) + 6/6) + 6) + 6) \\
&:= (77 \times (7 \times 7 + 7)) + ((7+7+7)/7)^7 \\
&:= (8+8)/8 + ((88/8-8)^8 - 8 \times 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6500 &:= 1 + (1 + ((1+1+1+111)^{1+1})/(1+1)) \\
&:= 2 + (2 \times (((22/2+2 \times 22)+2)^2)) \\
&:= 3 + ((3 \times 3 \times 3^{3+3}) - ((3/3+3)^3)) \\
&:= (4/4+4) \times (((4+4)/4+4)^4 + 4) \\
&:= 5 \times ((5+5) \times (5 \times 5 \times 5 + 5)) \\
&:= (6/6-66) \times ((66-666)/6) \\
&:= 7 + (((77 \times (77+7) + (77/7)) + 7) + 7) \\
&:= (8/8+8 \times 8) \times (((88+8)/8) + 88) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6501 &:= 1 + (1 + (1 + ((1+1+1+111)^{1+1})/(1+1))) \\
&:= 2 + (((2/2+2)^{2 \times (2+2)} - 2^{2+2+2}) + 2) \\
&:= 33 \times (33 \times (3+3) - 3/3) \\
&:= 4 + (((4-4/4)+4)^4) + (4+4)^4) \\
&:= 5/5 + (5 \times ((5+5) \times (5 \times 5 \times 5 + 5))) \\
&:= 6 + (((6 \times 6/(6+6))^{6+(6+6)/6} - 66) \\
&:= 7777/7 + (7 \times (777-7)) \\
&:= 888 + (8 \times 8 \times 88 - (88/8+8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) + (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6502 &:= (1+1) \times (1 + (1 + ((1+1+111)/(1+1))^{1+1})) \\
&:= 2 \times (((22/2+2 \times 22)+2)^2) + 2) \\
&:= 3/3 + (33 \times (33 \times (3+3) - 3/3)) \\
&:= 4 + (((4-4/4)^{4+4}) + ((4-4^4)/4)) \\
&:= (5+5)/5 + (5 \times ((5+5) \times (5 \times 5 \times 5 + 5))) \\
&:= 6 + (((6+6)/6)^6 - 6) \times (666+6)/6) \\
&:= 7 \times 7 + (77 \times (77+7) - (7/7+7+7)) \\
&:= 8 \times (888-8 \times 8) - ((8+8)/8+88) \\
&:= 9 \times (9 \times 9 \times 9 - 9) + ((99+99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6503 &:= (11 + (((1+1+1+111)^{1+1}) - 1))/(1+1) \\
&:= 22 + (((22-2) \times ((2^{2+2}+2)^2)) + 2/2) \\
&:= (3 \times (3 \times (3^{3+3} - (3+3)))) - (3/3+3) \\
&:= 4 + (((4-4/4)^{4+4}) + (((4-4^4)+4)/4)) \\
&:= 5 + (((5-(5+5)/5)^5) + 5^5) + 5^5) + 5) \\
&:= 6 + (((6 \times (6 \times 6 \times (6 \times 6 - 6))) + (66/6)) + 6) \\
&:= 7 \times 7 + (77 \times (77+7) - (7+7)) \\
&:= 8 \times (888-8 \times 8) - (8/8+88) \\
&:= 9 \times 9 \times 9 + ((9-9 \times 99)/(9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6504 &:= (1+1+1) \times (11^{1+1} + ((1+1)^{11} - 1)) \\
&:= 2 + (((22-2) \times ((2^{2+2}+2)^2)) + 22) \\
&:= (3 \times (3 \times (3^{3+3} - (3+3)))) - 3 \\
&:= 4 + ((4/4+4) \times (((4+4)/4+4)^4 + 4)) \\
&:= 5 + ((5 \times ((5+5) \times (5 \times 5 \times 5 + 5))) - 5/5) \\
&:= (6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6)) - 6 - 6 \\
&:= (7-7/7) \times ((77 \times (7+7) - 7/7) + 7) \\
&:= 8 \times (888-8 \times 8) - 88 \\
&:= (9-9/9) \times (9 \times (9 \times 9 + 9) + ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6505 &:= 1 + ((1+1+1) \times (11^{1+1} + ((1+1)^{11} - 1))) \\
&:= ((22+2)^2) + ((2 \times 2 \times 22 - 22/2)^2) \\
&:= 3/3 + ((3 \times (3 \times (3^{3+3} - (3+3)))) - 3) \\
&:= 4 + (((4-4/4)+4)^4) + (4+4)^4) + 4) \\
&:= 5 + (5 \times ((5+5) \times (5 \times 5 \times 5 + 5))) \\
&:= (6-6/6) \times ((6 \times 6 \times 6 \times 6 - 6/6) + 6) \\
&:= (((7+7+7)/7)^{7+7/7}) - (7 \times 7 + 7) \\
&:= 8 + ((88/8-8)^8 - 8 \times 8) \\
&:= 9 \times 9 \times 9 - ((999+9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6506 &:= ((1+1+1) \times (11^{1+1} + (1+1)^{11})) - 1 \\
&:= 2 \times (((22/2+2 \times 22)+2)^2) + 2) + 2) \\
&:= (3 \times (3 \times (3^{3+3} - (3+3)))) - 3/3 \\
&:= 4^4 + ((44-4)/4 \times (4/4+4)^4) \\
&:= ((5-5/5+5)^{5-5/5}) - 55 \\
&:= 6 + ((6/6-66) \times ((66-666)/6)) \\
&:= 7 \times 7 + (77 \times (77+7) - (77/7)) \\
&:= 8 + (((88/8-8)^8 - 8 \times 8) + 8/8) \\
&:= 9 + (((9 \times (9 \times 9 \times 9 - 9) - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6507 &:= (1+1+1) \times (11^{1+1} + (1+1)^{11}) \\
&:= (2/2+2) \times ((22/2)^2 + 2^{22/2}) \\
&:= 3 \times (3 \times (3^{3+3} - (3+3))) \\
&:= (4-44)/4 + (((4-4/4)^{4+4}) - 44) \\
&:= 5 + ((5 \times ((5+5) \times (5 \times 5 \times 5 + 5))) + ((5+5)/5)) \\
&:= (6 \times 6/(6+6) + 6) \times (((6 \times 6/(6+6))^6) - 6) \\
&:= 7 \times 7 + (77 \times (77+7) + ((7-77)/7)) \\
&:= (8/8+8) \times ((88/8+8 \times 88) + 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6508 &:= 1 + ((1+1+1) \times (11^{1+1} + (1+1)^{11})) \\
&:= 2 \times (2 \times (((2 \times 22) - 2/2)^2) - 222) \\
&:= 3/3 + (3 \times (3 \times (3^{3+3} - (3+3)))) \\
&:= (44 \times ((4 \times (4 \times (4+4) + 4)) + 4)) - 4 \\
&:= 5^5 + (((5^5+5)/(5+5) - 55) + 5^5) \\
&:= 6 \times (6 \times 66 + 6) + (((6+6)/6)^{6+6}) \\
&:= 7 + (7777/7 + (7 \times (777-7))) \\
&:= 88/8 + ((88/8-8)^8 - 8 \times 8) \\
&:= 9 + (((9 \times (9 \times 9 \times 9 - 9) + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6509 &:= 11 + (((1+1+1+111)^{1+1})/(1+1)) \\
&:= 222/2 + (((2 \times 2 \times (22-2))^2) - 2) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} - (3+3)))) - 3/3) \\
&:= ((4-4/4)^{4+4}) - (44+4+4) \\
&:= ((5+5) \times ((5^5+5)/5+5 \times 5)) - 5/5 \\
&:= (6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6)) - 6/6 - 6 \\
&:= 7 \times 7 + (77 \times (77+7) - (7/7+7)) \\
&:= 888 + (8 \times 8 \times 88 - (88/8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6510 &:= (1+1+1) \times (1 + (11^{1+1} + (1+1)^{11})) \\
&:= 22 + (2 \times (2 \times ((2 \times (22-2))^2 + 22))) \\
&:= 3 + (3 \times (3 \times (3^{3+3} - (3+3)))) \\
&:= 4 + (((44-4)/4 \times (4/4+4)^4) + 4^4) \\
&:= (5+5) \times ((5^5+5)/5+5 \times 5) \\
&:= (6-6/6) \times (6 \times 6 \times 6 \times 6 + 6) \\
&:= 7 \times 7 + (77 \times (77+7) - 7) \\
&:= 888 + ((8-88)/8+8 \times 8 \times 88) \\
&:= 999/9 + 9 \times (9 \times 9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6511 &:= 111 + (((11-1-1)^{1+1} - 1)^{1+1}) \\
&:= 222/2 + ((2 \times 2 \times (22-2))^2) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} - (3+3)))) + 3/3) \\
&:= (44 \times ((4 \times (4 \times (4+4) + 4)) + 4)) - 4/4 \\
&:= 5 + (((5-5/5+5)^{5-5/5}) - 55) \\
&:= 6/6 + ((6-6/6) \times (6 \times 6 \times 6 \times 6 + 6)) \\
&:= 7/7 + ((77 \times (77+7) - 7) + 7 \times 7) \\
&:= 888 + (8 \times 8 \times 88 - (8/8+8)) \\
&:= 9 \times 9 \times 9 - ((9 \times 99+9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6512 &:= 1 + (111 + (((11-1-1)^{1+1} - 1)^{1+1})) \\
&:= 2 \times (2 \times (22 \times (2 \times (2+2+2)^2 + 2))) \\
&:= 33 + (((3^3+3) \times (3+3)^3) - 3/3) \\
&:= 44 \times ((4 \times (4 \times (4+4) + 4)) + 4) \\
&:= (5+5)/5 + ((5+5) \times ((5^5+5)/5+5 \times 5)) \\
&:= (6+6)/6 + ((6-6/6) \times (6 \times 6 \times 6 \times 6 + 6)) \\
&:= (((7+7+7)/7)^{7+7/7}) - 7 \times 7 \\
&:= 88 \times (((8+8)/8) + 8 \times 8) + 8) \\
&:= 9 \times 9 \times 9 + ((9-9 \times 99)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6513 &:= (1+1+11) \times ((1+1)^{11-1-1} - 11) \\
&:= (2/2+2)^{2 \times (2+2)} - (2 \times (22+2)) \\
&:= 33 + ((3^3+3) \times (3+3)^3) \\
&:= ((4-4/4)^{4+4}) - (44+4) \\
&:= 5^5 + ((5 \times 55 - ((55+5)/5)) + 5^5) \\
&:= 6666 - (666/6 + 6 \times 6 + 6) \\
&:= 7 + ((77 \times (77+7) - (77/7)) + 7 \times 7) \\
&:= 8 + (((88/8-8)^8 - 8 \times 8) + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9) + (99/(9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6514 &:= 1 + ((1+1+11) \times ((1+1)^{11-1-1} - 11)) \\
&:= 222 + (22^2 \times (22/2+2)) \\
&:= 3/3 + (((3^3+3) \times (3+3)^3) + 33) \\
&:= 4/4 + (((4-4/4)^{4+4}) - (44+4)) \\
&:= 5^5 + ((5 \times 55 - (55/5)) + 5^5) \\
&:= (6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6)) - (6+6)/6 \\
&:= 7 \times 7 + (77 \times (77+7) - ((7+7+7)/7)) \\
&:= 8 + (((88/8-8)^8 - 8 \times 8) + 8/8) + 8 \\
&:= ((99/9) \times (((9+9)/9)^9) + 9 \times 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6515 &:= ((1+1) \times ((1+1)^{11} + (11 \times (111-1)))) - 1 \\
&:= (2/2+2)^{2 \times (2+2)} - (2 \times 22+2) \\
&:= (33/3)^3 + (3 \times (3 \times 3 + 3)^3) \\
&:= ((4-4/4)^{4+4}) - ((4+4)/4 + 44) \\
&:= 5 + ((5+5) \times ((5^5+5)/5 + 5 \times 5)) \\
&:= (6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6)) - 6/6 \\
&:= 7 \times 7 + (77 \times (77+7) - ((7+7)/7)) \\
&:= 8 + ((8/8+8) \times ((88/8+8 \times 88) + 8)) \\
&:= 9 + (((9 \times (9 \times 9 \times 9 - 9) - 9/9) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6516 &:= (1+1) \times ((1+1)^{11} + (11 \times (111-1))) \\
&:= 2 + ((22^2 \times (22/2+2)) + 222) \\
&:= (3+3) \times (33 \times 33 - 3) \\
&:= 4 + (44 \times ((4 \times (4 \times (4+4) + 4)) + 4)) \\
&:= (5/5+5) \times (5555/5 - 5 \times 5) \\
&:= 6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6) \\
&:= 7 \times 7 + (77 \times (77+7) - 7/7) \\
&:= 8 + (((88/8-8)^8 - 8 \times 8) + (88/8)) \\
&:= 9 + (((9 \times (9 \times 9 \times 9 - 9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6517 &:= 1 + ((1+1) \times ((1+1)^{11} + (11 \times (111-1)))) \\
&:= (2/2+2)^{2 \times (2+2)} - (2 \times 22) \\
&:= 3/3 + ((3+3) \times (33 \times 33 - 3)) \\
&:= ((4-4/4)^{4+4}) - 44 \\
&:= 5^5 + (((5+5)/5)^5 \times (555/5 - 5)) \\
&:= 6/6 + (6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6)) \\
&:= 7 \times (7 \times (77 + 7 \times 7 + 7)) \\
&:= (88/8 - 8)^8 - (88/(8+8)/8) \\
&:= 9 + (((9 \times (9 \times 9 \times 9 - 9) + 9/9) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6518 &:= 11 + ((1+1+1) \times ((1+1)^{11} + (1+1)^{11})) \\
&:= ((22-2) \times (((2^{2+2}+2)^2) + 2)) - 2 \\
&:= 3 + ((3 \times (3 \times 3 + 3)^3) + (33/3)^3) \\
&:= 4/4 + (((4-4/4)^{4+4}) - 44) \\
&:= 5 \times 5 + (((5 - (5+5)/5)^5) + 5^5) + 5^5 \\
&:= (6+6)/6 + (6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6)) \\
&:= 7/7 + (77 \times (77+7) + 7 \times 7) \\
&:= 888 + (8 \times 8 \times 88 - ((8+8)/8)) \\
&:= 9 + (((9 \times (9 \times 9 \times 9 - 9) + (99/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6519 &:= 1 + (11 + ((1+1+1) \times ((1+1)^{11} + (1+1)^{11}))) \\
&:= 2 + ((2/2+2)^{2 \times (2+2)} - (2 \times 22)) \\
&:= 3 + ((3+3) \times (33 \times 33 - 3)) \\
&:= (4+4)/4 + (((4-4/4)^{4+4}) - 44) \\
&:= 5^5 + ((5 \times 55 - (5/5+5)) + 5^5) \\
&:= 6666 - (666/6 + 6 \times 6) \\
&:= 7 + (((7+7+7)/7)^{7+7/7} - 7 \times 7) \\
&:= 888 + (8 \times 8 \times 88 - 8/8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9 - 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6520 &:= (1+1) \times (11 + ((1 + (1+111)/(1+1))^{1+1})) \\
&:= (22-2) \times (((2^{2+2}+2)^2) + 2) \\
&:= 3 + (((3+3) \times (33 \times 33 - 3)) + 3/3) \\
&:= 4 + ((44 \times ((4 \times (4 \times (4+4) + 4)) + 4)) + 4) \\
&:= 5^5 + ((5 \times 55 - 5) + 5^5) \\
&:= 6 + ((6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6)) - ((6+6)/6)) \\
&:= 7 \times 7 + (77 \times (77+7) + ((7+7+7)/7)) \\
&:= 888 + 8 \times 8 \times 88 \\
&:= 9 \times 9 \times 9 \times 9 - ((9 \times 9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6521 &:= 11^{1+1} + (((11-1-1)^{1+1} - 1)^{1+1}) \\
&:= (22/2)^2 + ((2 \times 2 \times (22-2))^2) \\
&:= (3 \times ((3 \times (3^{3+3} - 3)) - 3)) - (3/3+3) \\
&:= 4 + (((4-4/4)^{4+4}) - 44) \\
&:= 5^5 + (((5 \times 55 - 5) + 5^5) + 5/5) \\
&:= 6 + ((6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6)) - 6/6) \\
&:= (((7+7)/7)^7 \times ((7+7)/7 + 7 \times 7)) - 7 \\
&:= 8/8 + (8 \times 8 \times 88 + 888) \\
&:= 9 \times 9 \times 9 \times 9 + ((9 - 9 \times 9 \times 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6522 &:= (11 \times ((11 \times ((111-1)/(1+1) - 1)) - 1)) - 1 \\
&:= 2 + ((22-2) \times (((2^{2+2}+2)^2) + 2)) \\
&:= (3 \times ((3 \times (3^{3+3} - 3)) - 3)) - 3 \\
&:= 4 + (((4-4/4)^{4+4}) - 44) + 4/4 \\
&:= 5^5 + (((5+5)/5 - 5) + 5 \times 55) + 5^5 \\
&:= 6 + (6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6)) \\
&:= 7 + ((77 \times (77+7) - ((7+7)/7)) + 7 \times 7) \\
&:= 888 + (8 \times 8 \times 88 + ((8+8)/8)) \\
&:= 9 \times (9 \times 9 \times 9 + 9) - (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6523 &:= 11 \times ((11 \times ((111-1)/(1+1) - 1)) - 1) \\
&:= 2 + (((2 \times 2 \times (22-2))^2) + (22/2)^2) \\
&:= (3 \times (3 \times (3^{3+3} - 3))) - 33/3 \\
&:= 44/4 \times ((4/4+4)^4 - 4 \times (4+4)) \\
&:= 5^5 + ((5 \times 55 - ((5+5)/5)) + 5^5) \\
&:= 6 + ((6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6)) + 6/6) \\
&:= 7 + ((77 \times (77+7) - 7/7) + 7 \times 7) \\
&:= 88/8 \times (8 \times 88 - 888/8) \\
&:= 99/9 \times (((9+9)/9)^9) + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6524 &:= 1 + (11 \times ((11 \times ((111-1)/(1+1) - 1)) - 1)) \\
&:= (2^{2+2} - 2) \times (2 \times 222 + 22) \\
&:= (3 \times ((3 \times (3^{3+3} - 3)) - 3)) - 3/3 \\
&:= 4444 + (4+4) \times (4^4 + 4) \\
&:= 5^5 + ((5 \times 55 - 5/5) + 5^5) \\
&:= 6 + ((6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6)) + ((6+6)/6)) \\
&:= 7 + (77 \times (77+7) + 7 \times 7) \\
&:= 888 + (8 \times 8/(8+8) + 8 \times 8 \times 88) \\
&:= 9 \times 9 \times 9 \times 9 - (((9/9+9+9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6525 &:= (1 + (1+11)^{1+1}) \times (1 + ((1+1) \times (11+11))) \\
&:= (2/2+2)^{2 \times (2+2)} - (2+2+2)^2 \\
&:= 3 \times ((3 \times (3^{3+3} - 3)) - 3) \\
&:= 4 + (((4-4/4)^{4+4}) - 44) + 4 \\
&:= 5^5 + (5 \times 55 + 5^5) \\
&:= ((6 \times 6/(6+6))^{6+(6+6)/6}) - 6 \times 6 \\
&:= 7 + ((77 \times (77+7) + 7 \times 7) + 7/7) \\
&:= (88 - 8/8) \times (88/8 + 8 \times 8) \\
&:= 9 \times 9 \times 9 \times 9 - ((9+9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6526 &:= (1+1+11) \times (1 + ((1+1)^{11-1-1} - 11)) \\
&:= 2 + ((2^{2+2} - 2) \times (2 \times 222 + 22)) \\
&:= 3/3 + (3 \times ((3 \times (3^{3+3} - 3)) - 3)) \\
&:= 4 + (((4-4/4)^{4+4}) - 44) + 4/4 + 4 \\
&:= 5^5 + (5 \times 55 + 5^5 + 5/5) \\
&:= ((66-6)/6) + (6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6)) \\
&:= 7 + (((7+7+7)/7)^{7+7/7} - 7 \times 7) + 7 \\
&:= (8 \times (888 - (8 \times 8 + 8))) - (8+8)/8 \\
&:= 9/9 + (9 \times 9 \times 9 \times 9 - ((9+9+9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6527 &:= ((1+1)^{1+11}) + (11 \times ((1+1) \times 111 - 1)) \\
&:= 2 + ((2/2+2)^{2 \times (2+2)} - (2+2+2)^2) \\
&:= (3 \times 3 \times 3^{3+3}) - 3/3 - 33 \\
&:= ((4^4+4)/4 - 4) \times (444/4 - 4) \\
&:= 5^5 + ((5 \times 55 + ((5+5)/5)) + 5^5) \\
&:= 66/6 + (6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6)) \\
&:= 77 + (77 \times (77+7) - (77/7+7)) \\
&:= (8 \times (888 - (8 \times 8 + 8))) - 8/8 \\
&:= (9+9)/9 + (9 \times 9 \times 9 \times 9 - ((9+9+9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6528 &:= (1+11) \times (((1111-1)/(1+1)) - 11) \\
&:= 2 \times (2 \times ((2 \times 22 + 2)^2 - 22^2)) \\
&:= (3 \times 3 \times 3^{3+3}) - 33 \\
&:= ((4 \times 4 + 4) + 4) \times (4 \times 4 + 4^4) \\
&:= ((55+5)/5) \times (555 - (55/5)) \\
&:= ((6+6)/6)^6 \times (6 \times 6 + 66) \\
&:= ((7+7)/7)^7 \times ((7+7)/7 + 7 \times 7) \\
&:= 8 \times (888 - (8 \times 8 + 8)) \\
&:= 9 \times 9 \times 9 \times 9 - (99/(9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6529 &:= 1 + ((1+11) \times (((1111-1)/(1+1)) - 11)) \\
&:= (2/2 + 2)^{2 \times (2+2)} - (2 \times 2^{2+2}) \\
&:= 3/3 + ((3 \times 3 \times 3^{3+3}) - 33) \\
&:= ((4-4/4)^{4+4}) - 4 \times (4+4) \\
&:= 5 + (((5 \times 55 - 5/5) + 5^5) + 5^5) \\
&:= 6/6 + (((6+6)/6)^6 \times (6 \times 6 + 66)) \\
&:= 7/7 + (((7+7)/7)^7 \times ((7+7)/7 + 7 \times 7)) \\
&:= 8/8 + (8 \times (888 - (8 \times 8 + 8))) \\
&:= 9 + (9 \times 9 \times 9 \times 9 - ((9 \times 9 \times 9 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6530 &:= 1 + (1 + ((1+11) \times (((1111-1)/(1+1)) - 11))) \\
&:= 2 + (2 \times (2 \times ((2 \times 22 + 2)^2 - 22^2))) \\
&:= (3 \times (3 \times (3^{3+3} - 3))) - (3/3 + 3) \\
&:= 4/4 + (((4-4/4)^{4+4}) - 4 \times (4+4)) \\
&:= 5 + ((5 \times 55 + 5^5) + 5^5) \\
&:= (6+6)/6 + (((6+6)/6)^6 \times (6 \times 6 + 66)) \\
&:= 7 + (((77 \times (77+7) - 7/7) + 7 \times 7) + 7) \\
&:= (8+8)/8 + (8 \times (888 - (8 \times 8 + 8))) \\
&:= 9 \times 9 \times 9 \times 9 - ((99+99)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6531 &:= (1+1+1) \times (((1+1) \times (11 \times (1+1+1))^{1+1}) - 1) \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} - (2 \times 2^{2+2})) \\
&:= (3 \times (3 \times (3^{3+3} - 3))) - 3 \\
&:= 4 + (((4^4 + 4)/4 - 4) \times (444/4 - 4)) \\
&:= 5 + (((5 \times 55 + 5^5) + 5^5) + 5/5) \\
&:= 6 + (((6 \times 6/(6+6))^{6+(6+6)/6}) - 6 \times 6) \\
&:= 7 + ((77 \times (77+7) + 7 \times 7) + 7) \\
&:= 888 + (8 \times 8 \times 88 + (88/8)) \\
&:= 9 \times (9 \times 9 \times 9 + 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6532 &:= (1+1) \times ((11 \times (11 \times (1+1+1))^{1+1+1}) - 1) \\
&:= (2 \times 22 + 2) \times (((2 \times (2+2+2))^2) - 2) \\
&:= 3/3 + ((3 \times (3 \times (3^{3+3} - 3))) - 3) \\
&:= 4 + (((4 \times 4 + 4) + 4) \times (4 \times 4 + 4^4)) \\
&:= 5 + (((5 \times 55 + ((5+5)/5)) + 5^5) + 5^5) \\
&:= 6666 - (((6+6)/6)^{6+6+6} + 6) \\
&:= 7 + (((77 \times (77+7) + 7 \times 7) + 7/7) + 7) \\
&:= 888 + (((88+8)/8) + 8 \times 8 \times 88) \\
&:= 9 \times 9 \times 9 \times 9 - (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6533 &:= (11 \times (11 \times ((111-1)/(1+1) - 1))) - 1 \\
&:= (2 \times (2 - 2^{2+2})) + (2/2 + 2)^{2 \times (2+2)} \\
&:= (3 \times (3 \times (3^{3+3} - 3))) - 3/3 \\
&:= 4 + (((4-4/4)^{4+4}) - 4 \times (4+4)) \\
&:= 5 + (((55+5)/5) \times (555 - (55/5))) \\
&:= 6666 - (66 + 6/6 + 66) \\
&:= 77 + ((77+7)/7 \times (7 \times 77 - 7/7)) \\
&:= 8 + ((88-8/8) \times (88/8 + 8 \times 8)) \\
&:= 9 \times 9 \times 9 \times 9 - ((9/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6534 &:= 11 \times (11 \times ((111-1)/(1+1) - 1)) \\
&:= (2+2+2) \times (22/2 + 22)^2 \\
&:= 3 \times (3 \times (3^{3+3} - 3)) \\
&:= ((4-4/4)^{4+4}) - (44/4 + 4 \times 4) \\
&:= 55/5 \times (55/5 \times (55 - 5/5)) \\
&:= 66 \times (666/6 - (6+6)) \\
&:= 77 + (77 \times (77+7) - (77/7)) \\
&:= (((8+8)/8) + 8 \times 8) \times (88/8 + 88) \\
&:= 9 \times 9 \times 9 \times 9 - (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6535 &:= 1 + (11 \times (11 \times ((111-1)/(1+1) - 1))) \\
&:= (2/2 + 2)^{2 \times (2+2)} - 22 - 2 - 2 \\
&:= 3/3 + (3 \times (3 \times (3^{3+3} - 3))) \\
&:= (4/4 + 4) \times (((4+4)/4 + 4)^4 + 44/4) \\
&:= 5 + (((5 \times 55 + 5^5) + 5^5) + 5) \\
&:= 6/6 + (66 \times (666/6 - (6+6))) \\
&:= 7 + (((7+7)/7)^7 \times ((7+7)/7 + 7 \times 7)) \\
&:= 8 + ((8 \times (888 - (8 \times 8 + 8))) - 8/8) \\
&:= 9/9 + (9 \times 9 \times 9 \times 9 - (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6536 &:= (1+1) \times ((1+1)^{11} + (11 \times 111 - 1)) \\
&:= 2 + ((2+2+2) \times (22/2 + 22)^2) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} - 3))) - 3/3) \\
&:= 4 + (((4 \times 4 + 4) + 4) \times (4 \times 4 + 4^4)) + 4 \\
&:= ((5-5/5+5)^{5-5/5}) - 5 \times 5 \\
&:= 6666 - (((6+6)/6)^6 + 66) \\
&:= (77-7/7) \times (((7+7)/7 + 77) + 7) \\
&:= 8 + (8 \times (888 - (8 \times 8 + 8))) \\
&:= (9+9)/9 + (9 \times 9 \times 9 \times 9 - (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6537 &:= ((1+1) \times ((1+1)^{11} + 11 \times 111)) - 1 \\
&:= (2/2 + 2)^{2 \times (2+2)} - 22 - 2 \\
&:= 3 + (3 \times (3 \times (3^{3+3} - 3))) \\
&:= ((4-4/4)^{4+4}) - ((4 \times 4 + 4) + 4) \\
&:= 5^5 + (((55+5)/5) + 5 \times 55) + 5^5 \\
&:= 6666 - (((666/6 + 6) + 6) + 6) \\
&:= 77 + (77 \times (77+7) - (7/7 + 7)) \\
&:= (88/8 - 8)^8 - 8 - 8 - 8 \\
&:= 9 + (9 \times 9 \times 9 \times 9 - (99/((9+9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6538 &:= (1+1) \times ((1+1)^{11} + 11 \times 111) \\
&:= (2/2 + 2)^{2 \times (2+2)} - 22 - 2/2 \\
&:= 3 + ((3 \times (3 \times (3^{3+3} - 3))) + 3/3) \\
&:= 4 + (((4-4/4)^{4+4}) - (44/4 + 4 \times 4)) \\
&:= 5^5 + (((5^5 + 5)/5 + 5) - 5 \times 5) + 5^5 \\
&:= 6666 - (((6+6)/6)^{6+6+6}) \\
&:= 77 + (77 \times (77+7) - 7) \\
&:= 8/8 + ((88/8 - 8)^8 - (8+8+8)) \\
&:= 9 \times 9 \times 9 \times 9 - (99+99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6539 &:= 1 + ((1+1) \times ((1+1)^{11} + 11 \times 111)) \\
&:= (2/2 + 2)^{2 \times (2+2)} - 22 \\
&:= 3 + (((3 \times (3 \times (3^{3+3} - 3))) - 3/3) + 3) \\
&:= ((4-4/4)^{4+4}) - (44/((4+4)/4)) \\
&:= 5 + (55/5 \times (55/5 \times (55 - 5/5))) \\
&:= 6 + (6666 - (66 + 6/6 + 66)) \\
&:= 7/7 + ((77 \times (77+7) - 7) + 77) \\
&:= 88/8 + (8 \times (888 - (8 \times 8 + 8))) \\
&:= 9 \times 9 \times 9 \times 9 - ((99+99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6540 &:= (1+1) \times (1 + ((1+1)^{11} + 11 \times 111)) \\
&:= 2/2 + ((2/2 + 2)^{2 \times (2+2)} - 22) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} - 3))) + 3) \\
&:= (44/4 + 4) \times (444 - (4+4)) \\
&:= (5+5) \times (((5^5 - 5)/5 + 5 \times 5) + 5) \\
&:= 6 + (66 \times (666/6 - (6+6))) \\
&:= ((7+7+7)/7) \times (((7+7+7)/7)^7 - 7) \\
&:= ((88+8)/8) + (8 \times (888 - (8 \times 8 + 8))) \\
&:= 9 \times 9 \times 9 \times 9 - ((99+9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6541 &:= 1 + ((1+1) \times (1 + ((1+1)^{11} + 11 \times 111))) \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} - 22) \\
&:= (3 \times (3 \times 3^{3+3} - 3)) - 33/3 \\
&:= ((4-4/4)^{4+4}) - 4 \times 4 - 4 \\
&:= 5 + (((5-5/5+5)^{5-5/5}) - 5 \times 5) \\
&:= 6 + ((66 \times (666/6 - (6+6))) + 6/6) \\
&:= ((77+7) \times (7/7 + 77)) - 77/7 \\
&:= (88/8 - 8)^8 - ((88+8)/8 + 8) \\
&:= 9 \times 9 \times 9 \times 9 - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6542 &:= (1+1) \times (1 + (1 + ((1+1)^{11} + 11 \times 111))) \\
&:= 2 + (((2/2 + 2)^{2 \times (2+2)} - 22) + 2/2) \\
&:= (3 \times ((3 \times (3^{3+3} - 3)) + 3)) - 3/3 \\
&:= 4/4 + (((4-4/4)^{4+4}) - (4 \times 4 + 4)) \\
&:= 5 + (((5-5/5+5)^{5-5/5}) - 5 \times 5) + 5/5 \\
&:= 6 + (6666 - (((6+6)/6)^6 + 66)) \\
&:= 7 + (((7+7)/7)^7 \times ((7+7)/7 + 7 \times 7)) + 7 \\
&:= (88/8 - 8)^8 - (88/8 + 8) \\
&:= 9 \times 9 \times 9 \times 9 - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6543 &:= (1+1+1) \times (1 + ((1+1)^{11} + (11 \times (1+11)))) \\
&:= 2 + (((2/2+2)^{2 \times (2+2)} - 22) + 2) \\
&:= 3 \times ((3 \times (3^{3+3} - 3)) + 3) \\
&:= ((4-4/4)^{4+4}) - ((4+4)/4 + 4 \times 4) \\
&:= ((5 - (5+5)/5)^5) + ((5+5) \times (5^5/5+5)) \\
&:= 6666 - ((666/6+6) + 6) \\
&:= 77 + (77 \times (77+7) - ((7+7)/7)) \\
&:= (8-88)/8 + ((88/8-8)^8 - 8) \\
&:= 9 \times 9 \times 9 \times 9 - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6544 &:= (11 \times (111 + ((11+11)^{1+1}))) - 1 \\
&:= 2 \times (((2 \times (22+2))^2) + 2 \times 22^2) \\
&:= 3/3 + (3 \times ((3 \times (3^{3+3} - 3)) + 3)) \\
&:= 4 \times (44 \times 44 - (44 + 4^4)) \\
&:= (55 \times (5 \times 5 \times 5 - 5)) - (55 + 5/5) \\
&:= ((6+6)/6)^6 + (6 \times (6 \times 6 \times (6 \times 6 - 6))) \\
&:= 77 + (77 \times (77+7) - 7/7) \\
&:= 8 + ((8 \times (888 - (8 \times 8 + 8))) + 8) \\
&:= 9/9 + (9 \times 9 \times 9 \times 9 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6545 &:= 11 \times (111 + ((11+11)^{1+1})) \\
&:= (2/2+2)^{2 \times (2+2)} - 2^{2+2} \\
&:= 33/3 + (3 \times (3 \times (3^{3+3} - 3))) \\
&:= ((4-4/4)^{4+4}) - 4 \times 4 \\
&:= 55 \times (5 \times 5 \times 5 - (5/5+5)) \\
&:= 66 + ((6 \times (6 \times 6 \times (6 \times 6 - 6))) - 6/6) \\
&:= 77 + 77 \times (77+7) \\
&:= (88/8-8)^8 - 8 - 8 \\
&:= (9+9)/9 + (9 \times 9 \times 9 \times 9 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6546 &:= 1 + (11 \times (111 + ((11+11)^{1+1}))) \\
&:= (2+2+2) \times ((22/2+22)^2 + 2) \\
&:= 3 + (3 \times ((3 \times (3^{3+3} - 3)) + 3)) \\
&:= 4/4 + (((4-4/4)^{4+4}) - 4 \times 4) \\
&:= 5/5 + (55 \times (5 \times 5 \times 5 - (5/5+5))) \\
&:= 66 + (6 \times (6 \times 6 \times (6 \times 6 - 6))) \\
&:= 7/7 + (77 \times (77+7) + 77) \\
&:= 8/8 + ((88/8-8)^8 - (8+8)) \\
&:= 9 \times 9 \times 9 \times 9 + (((9+9+9)/9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6547 &:= 1 + (1 + (11 \times (111 + ((11+11)^{1+1})))) \\
&:= 2 + ((2/2+2)^{2 \times (2+2)} - 2^{2+2}) \\
&:= (3 \times 3 \times 3^{3+3}) - (33/3+3) \\
&:= (4+4)/4 + (((4-4/4)^{4+4}) - 4 \times 4) \\
&:= 5 \times 55 + ((5+5)/5 \times (55/5+5^5)) \\
&:= 66 + ((6 \times (6 \times 6 \times (6 \times 6 - 6))) + 6/6) \\
&:= (((7+7+7)/7)^{7+7/7}) - (7+7) \\
&:= (8+8)/8 + ((88/8-8)^8 - (8+8)) \\
&:= 9 \times 9 \times 9 \times 9 + (((9-99)/(9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6548 &:= (1+1+1)^{(1+1)^{1+1+1}} - 11 - 1 - 1 \\
&:= (2/2+2)^{2 \times (2+2)} - (22/2+2) \\
&:= (3 \times (3 \times 3^{3+3} - 3)) - (3/3+3) \\
&:= 4 + (4 \times (44 \times 44 - (44 + 4^4))) \\
&:= 55 + (((5 - (5+5)/5)^5) + 5^5) + 5^5 \\
&:= 6666 - ((666+6)/6+6) \\
&:= 7 + (((77+7) \times (7/7+77)) - (77/7)) \\
&:= (88/8-8)^8 - (88+8+8)/8 \\
&:= 9 \times 9 \times 9 \times 9 - (99+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6549 &:= 111 \times ((11^{1+1} - 1)/(1+1) - 1) \\
&:= (2/2+2)^{2 \times (2+2)} - (2 \times (2+2+2)) \\
&:= (3 \times (3 \times 3^{3+3} - 3)) - 3 \\
&:= 4 + (((4-4/4)^{4+4}) - 4 \times 4) \\
&:= 555/5 \times (55 - 5/5+5) \\
&:= 6666 - (666/6+6) \\
&:= 7 \times 777 + (7777 - 7)/7 \\
&:= (88/8-8)^8 - (88+8)/8 \\
&:= 9 \times 9 \times 9 \times 9 - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6550 &:= (1+1+1)^{(1+1)^{1+1+1}} - 11 \\
&:= (2/2+2)^{2 \times (2+2)} - 22/2 \\
&:= (3 \times 3 \times 3^{3+3}) - 33/3 \\
&:= ((4-4/4)^{4+4}) - 44/4 \\
&:= 5^5 + (5 \times (55+5) + 5^5) \\
&:= 6666 + (((6-666)/6) - 6) \\
&:= 7 \times 777 + 7777/7 \\
&:= (88/8-8)^8 - 88/8 \\
&:= 9 \times 9 \times 9 \times 9 - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6551 &:= (1+1+1)^{(1+1)^{1+1+1}} - 11 + 1 \\
&:= ((2-22)/2) + (2/2+2)^{2 \times (2+2)} \\
&:= (3 \times (3 \times 3^{3+3} - 3)) - 3/3 \\
&:= (4-44)/4 + (((4-4/4)^{4+4}) - 4 \times 4) \\
&:= ((5-5/5+5)^{5-5/5}) - 5 - 5 \\
&:= (6 \times (((6 \times 6 \times (6 \times 6 - 6)) + 6) + 6)) - 6/6 \\
&:= ((77+7) \times (7/7+77)) - 7/7 \\
&:= (8-88)/8 + (88/8-8)^8 \\
&:= 9 \times 9 \times 9 \times 9 - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6552 &:= (1+1+1)^{(1+1)^{1+1+1}} - 11 + 1 + 1 \\
&:= 2 + ((2/2+2)^{2 \times (2+2)} - 22/2) \\
&:= 3 \times (3 \times 3^{3+3} - 3) \\
&:= (4^4 - 4) \times ((44/(4+4)/4) + 4) \\
&:= (5 \times 5 - 5/5) \times (5 \times 55 - ((5+5)/5)) \\
&:= 6 \times (((6 \times 6 \times (6 \times 6 - 6)) + 6) + 6) \\
&:= (77+7) \times (7/7+77) \\
&:= (8 \times 8 - 8/8) \times (88+8+8) \\
&:= 9 \times 9 \times 9 \times 9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6553 &:= (1+1+1)^{(1+1)^{1+1+1}} - 11 + 1 + 1 + 1 \\
&:= (2/2+2)^{2 \times (2+2)} - 2 \times (2+2) \\
&:= 3/3 + (3 \times (3 \times 3^{3+3} - 3)) \\
&:= ((4-4/4)^{4+4}) - 4 - 4 \\
&:= 5^5 + (((5^5+5)/(5+5) - (5+5)) + 5^5) \\
&:= 6/6 + (6 \times (((6 \times 6 \times (6 \times 6 - 6)) + 6) + 6)) \\
&:= 7/7 + ((77+7) \times (7/7+77)) \\
&:= (88/8-8)^8 - 8 \\
&:= 9/9 + (9 \times 9 \times 9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6554 &:= (1+1+111) \times (1+1+(1+111)/(1+1)) \\
&:= (22^2 \times (2^{2+2} - 2)) - 222 \\
&:= 3 + ((3 \times (3 \times 3^{3+3} - 3)) - 3/3) \\
&:= 4 + (((4-4/4)^{4+4}) - 44/4) \\
&:= 5 + (555/5 \times (55 - 5/5+5)) \\
&:= 6666 - (666+6)/6 \\
&:= (((7+7+7)/7)^{7+7/7}) - 7 \\
&:= 8/8 + ((88/8-8)^8 - 8) \\
&:= (9+9)/9 + (9 \times 9 \times 9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6555 &:= ((1+1) \times ((1+1+1) \times 1111)) - 111 \\
&:= (2/2+2)^{2 \times (2+2)} - 2 - 2 - 2 \\
&:= 3 + (3 \times (3 \times 3^{3+3} - 3)) \\
&:= ((4-4/4)^{4+4}) - ((4+4)/4+4) \\
&:= 5 + ((5 \times (55+5) + 5^5) + 5^5) \\
&:= 6666 - 666/6 \\
&:= 7/7 + (((7+7+7)/7)^{7+7/7}) - 7 \\
&:= (8+8)/8 + ((88/8-8)^8 - 8) \\
&:= 9 \times 9 \times 9 \times 9 + (((9+9+9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6556 &:= 11 \times (1 + (111 + ((11+11)^{1+1}))) \\
&:= 22 \times ((2^{2 \times (2+2)} - 2) + 2 \times 22) \\
&:= 3 + ((3 \times (3 \times 3^{3+3} - 3)) + 3/3) \\
&:= ((4-4/4)^{4+4}) - 4/4 - 4 \\
&:= ((5-5/5+5)^{5-5/5}) - 5 \\
&:= 6666 + ((6-666)/6) \\
&:= 77 + (77 \times (77+7) + (77/7)) \\
&:= 88/8 + ((88/8-8)^8 - (8+8)) \\
&:= 9 \times 9 \times 9 \times 9 + ((9-99)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6557 &:= (1+1+1)^{(1+1)^{1+1+1}} - 1 - 1 - 1 - 1 \\
&:= (2/2+2)^{2 \times (2+2)} - 2 - 2 \\
&:= (3 \times 3 \times 3^{3+3}) - (3/3+3) \\
&:= ((4-4/4)^{4+4}) - 4 \\
&:= 5^5 + (((5^5-55)/(5+5) + 5^5) \\
&:= 6666 + (((6-666) + 6)/6) \\
&:= 7 + (7777/7 + 7 \times 777) \\
&:= (88/8-8)^8 - 8 \times 8/(8+8) \\
&:= 9 \times 9 \times 9 \times 9 + ((9-9 \times 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6558 &:= (1+1+1)^{(1+1)^{1+1+1}} - 1 - 1 - 1 \\
&:= (2/2 + 2)^{2 \times (2+2)} - 2/2 - 2 \\
&:= (3 \times 3 \times 3^{3+3}) - 3 \\
&:= 4/4 + (((4-4/4)^{4+4}) - 4) \\
&:= 5^5 + (((5^5 + 5)/(5+5) - 5) + 5^5) \\
&:= 6666 - 6 \times (6+6+6) \\
&:= 7 + (((77+7) \times (7/7+77)) - 7/7) \\
&:= 8 + ((88/8 - 8)^8 - (88/8)) \\
&:= 9 \times 9 \times 9 \times 9 - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6559 &:= (1+1+1)^{(1+1)^{1+1+1}} - 1 - 1 \\
&:= (2/2 + 2)^{2 \times (2+2)} - 2 \\
&:= 3/3 + ((3 \times 3 \times 3^{3+3}) - 3) \\
&:= ((4-4/4)^{4+4}) - (4+4)/4 \\
&:= ((5-5/5+5)^{5-5/5}) - (5+5)/5 \\
&:= 6/6 + (6666 - 6 \times (6+6+6)) \\
&:= 7 + ((77+7) \times (7/7+77)) \\
&:= (88/8 - 8)^8 - (8+8)/8 \\
&:= 9 \times 9 \times 9 \times 9 - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6560 &:= (1+1+1)^{(1+1)^{1+1+1}} - 1 \\
&:= (2/2 + 2)^{2 \times (2+2)} - 2/2 \\
&:= (3 \times 3 \times 3^{3+3}) - 3/3 \\
&:= ((4-4/4)^{4+4}) - 4/4 \\
&:= (5+5) \times (((5^5 + 5)/5 + 5 \times 5) + 5) \\
&:= 6 + (6666 - (666+6)/6) \\
&:= (((7+7+7)/7)^{7/7+7}) - 7/7 \\
&:= (88/8 - 8)^8 - 8/8 \\
&:= 9 \times 9 \times 9 \times 9 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6561 &:= (1+1+1)^{(1+1)^{1+1+1}} \\
&:= (2/2 + 2)^{2 \times (2+2)} \\
&:= 3 \times 3 \times 3^{3+3} \\
&:= (4-4/4)^{4+4} \\
&:= (5-5/5+5)^{5-5/5} \\
&:= (6 \times 6/(6+6))^{(6+6)/6+6} \\
&:= ((7+7+7)/7)^{7/7+7} \\
&:= (88/8 - 8)^8 \\
&:= 9 \times 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6562 &:= (1+1+1)^{(1+1)^{1+1+1}} + 1 \\
&:= 2/2 + (2/2 + 2)^{2 \times (2+2)} \\
&:= 3/3 + (3 \times 3 \times 3^{3+3}) \\
&:= 4/4 + ((4-4/4)^{4+4}) \\
&:= 5^5 + ((5^5 - 5)/(5+5) + 5^5) \\
&:= 6 + (((6-666)/6) + 6666) \\
&:= 7/7 + (((7+7+7)/7)^{7/7+7}) \\
&:= 8/8 + (88/8 - 8)^8 \\
&:= 9/9 + 9 \times 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6563 &:= (1+1+1)^{(1+1)^{1+1+1}} + 1 + 1 \\
&:= 2 + (2/2 + 2)^{2 \times (2+2)} \\
&:= 3 + ((3 \times 3 \times 3^{3+3}) - 3/3) \\
&:= (4+4)/4 + ((4-4/4)^{4+4}) \\
&:= 5^5 + ((5^5 + 5)/(5+5) + 5^5) \\
&:= 6666 - ((6 \times 6 + 66) + 6/6) \\
&:= (7+7)/7 + (((7+7+7)/7)^{7/7+7}) \\
&:= (8+8)/8 + (88/8 - 8)^8 \\
&:= (9+9)/9 + 9 \times 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6564 &:= (1+1+1)^{(1+1)^{1+1+1}} + 1 + 1 + 1 \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} + 2/2) \\
&:= 3 + (3 \times 3 \times 3^{3+3}) \\
&:= 4 + (((4-4/4)^{4+4}) - 4/4) \\
&:= 5 + (((5-5/5+5)^{5-5/5}) - ((5+5)/5)) \\
&:= 6666 - (6 \times 6 + 66) \\
&:= (77+7)/7 \times ((7 \times 77 + 7/7) + 7) \\
&:= 88/8 + ((88/8 - 8)^8 - 8) \\
&:= 9 \times 9 \times 9 \times 9 + ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6565 &:= (1+1+1)^{(1+1)^{1+1+1}} + 1 + 1 + 1 + 1 \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} + 2) \\
&:= 3 + ((3 \times 3 \times 3^{3+3}) + 3/3) \\
&:= 4 + ((4-4/4)^{4+4}) \\
&:= 5 + ((5+5) \times (((5^5 + 5)/5 + 5 \times 5) + 5)) \\
&:= 6/6 + (6666 - (6 \times 6 + 66)) \\
&:= 7 \times (7+7) + (77 \times (77+7) - 7/7) \\
&:= 8 \times 8/(8+8) + (88/8 - 8)^8 \\
&:= 9 \times 9 \times 9 \times 9 + ((9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6566 &:= (1+1+1)^{(1+1)^{1+1+1}} + 1 + 1 + 1 + 1 + 1 \\
&:= 2 + (((2/2 + 2)^{2 \times (2+2)} + 2/2) + 2) \\
&:= 3 + (((3 \times 3 \times 3^{3+3}) - 3/3) + 3) \\
&:= 4 + (((4-4/4)^{4+4}) + 4/4) \\
&:= 5 + ((5-5/5+5)^{5-5/5}) \\
&:= 6666 + ((66-666)/6) \\
&:= 7 \times ((7 \times (77+7 \times 7 + 7)) + 7) \\
&:= 8 + (((88/8 - 8)^8 - (88/8)) + 8) \\
&:= 9 \times 9 \times 9 \times 9 + ((9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6567 &:= 11 \times (1 + (1 + (111 + ((11 + 11)^{1+1})))) \\
&:= 2 + (((2/2 + 2)^{2 \times (2+2)} + 2) + 2) \\
&:= 3 + ((3 \times 3 \times 3^{3+3}) + 3) \\
&:= 4 + (((4-4/4)^{4+4}) + (4+4)/4) \\
&:= 5 + (((5-5/5+5)^{5-5/5}) + 5/5) \\
&:= 6 + ((6 \times 6/(6+6))^{6+(6+6)/6}) \\
&:= 7 + (((7+7+7)/7)^{7/7+7}) - 7/7 \\
&:= 8 + ((88/8 - 8)^8 - ((8+8)/8)) \\
&:= 9 + (9 \times 9 \times 9 \times 9 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6568 &:= 1 + (11 \times (1 + (1 + (111 + ((11 + 11)^{1+1})))))) \\
&:= 22^2 + (2 \times 2 \times (22 - 2) - 2)^2 \\
&:= 3 + (((3 \times 3 \times 3^{3+3}) + 3/3) + 3) \\
&:= 4 + (((4-4/4)^{4+4}) - 4/4 + 4) \\
&:= 5 + (((5^5 + 5)/(5+5) + 5^5) + 5^5) \\
&:= 6 + (((6-666)/6) + 6666) + 6 \\
&:= 7 + (((7+7+7)/7)^{7/7+7}) \\
&:= 8 + ((88/8 - 8)^8 - 8/8) \\
&:= 9 + (9 \times 9 \times 9 \times 9 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6569 &:= 11 + (1+1+1)^{(1+1)^{1+1+1}} - 1 - 1 - 1 \\
&:= 2 \times (2+2) + (2/2 + 2)^{2 \times (2+2)} \\
&:= (3 \times (3 \times 3^{3+3} + 3)) - 3/3 \\
&:= 4 + (((4-4/4)^{4+4}) + 4) \\
&:= 5555 + ((5-5/5)^5 - (5+5)) \\
&:= 6 + (6666 - ((6 \times 6 + 66) + 6/6)) \\
&:= 7 + (((7+7+7)/7)^{7/7+7}) + 7/7 \\
&:= 8 + (88/8 - 8)^8 \\
&:= 9 + (9 \times 9 \times 9 \times 9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6570 &:= 11 + (1+1+1)^{(1+1)^{1+1+1}} - 1 - 1 \\
&:= 22/2 + ((2/2 + 2)^{2 \times (2+2)} - 2) \\
&:= 3 \times (3 \times 3^{3+3} + 3) \\
&:= 4 + (((4-4/4)^{4+4}) + 4/4 + 4) \\
&:= (5+5) \times (((5+5)/5)^5 + 5^5/5) \\
&:= 6 + (6666 - (6 \times 6 + 66)) \\
&:= 7 + (((7+7+7)/7)^{7/7+7}) + ((7+7)/7) \\
&:= 8 + ((88/8 - 8)^8 + 8/8) \\
&:= 9 + 9 \times 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6571 &:= 11 + (1+1+1)^{(1+1)^{1+1+1}} - 1 \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} + 2 \times (2+2)) \\
&:= 3/3 + (3 \times (3 \times 3^{3+3} + 3)) \\
&:= (44-4)/4 + ((4-4/4)^{4+4}) \\
&:= 5 + (((5-5/5+5)^{5-5/5}) + 5) \\
&:= 6 + ((6666 - (6 \times 6 + 66)) + 6/6) \\
&:= 7 + ((77+7)/7 \times ((7 \times 77 + 7/7) + 7)) \\
&:= 8 + ((88/8 - 8)^8 + ((8+8)/8)) \\
&:= 9 + (9 \times 9 \times 9 \times 9 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6572 &:= 11 + (1+1+1)^{(1+1)^{1+1+1}} \\
&:= 22/2 + (2/2 + 2)^{2 \times (2+2)} \\
&:= 33/3 + (3 \times 3 \times 3^{3+3}) \\
&:= 44/4 + ((4-4/4)^{4+4}) \\
&:= 55/5 + ((5-5/5+5)^{5-5/5}) \\
&:= 6 + (((66-666)/6) + 6666) \\
&:= 77/7 + (((7+7+7)/7)^{7/7+7}) \\
&:= 88/8 + (88/8 - 8)^8 \\
&:= 99/9 + 9 \times 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6573 &:= 11 + (1 + 1 + 1)^{(1+1)^{1+1+1}} + 1 \\
&:= (2 \times (2 + 2 + 2)) + (2/2 + 2)^{2 \times (2+2)} \\
&:= 3 + (3 \times (3 \times 3^{3+3} + 3)) \\
&:= 4 + (((4 - 4/4)^{4+4}) + 4) + 4 \\
&:= ((55/5 + 5) + 5) \times (5^5 + 5)/(5 + 5) \\
&:= 6 + (((6 \times 6/(6 + 6))^{(6+6)/6+6}) + 6) \\
&:= 7 + (77 \times (77 + 7) + 7 \times (7 + 7)) \\
&:= ((88 + 8)/8) + (88/8 - 8)^8 \\
&:= 9 \times 9 \times 9 \times 9 + (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6574 &:= 11 + (1 + 1 + 1)^{(1+1)^{1+1+1}} + 1 + 1 \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} + 22/2) \\
&:= 3 + (3 \times (3 \times 3^{3+3} + 3)) + 3/3 \\
&:= 4 + (((4 - 4/4)^{4+4}) + 4/4) + 4 + 4 \\
&:= 5555 + ((5 - 5/5)^5 - 5) \\
&:= 6 + (((6 - 666)/6) + 6666 + 6) + 6 \\
&:= 7 + (((7 + 7 + 7)/7)^{7/7+7} - 7/7) + 7 \\
&:= (88/8 - 8)^8 + (88 + 8 + 8)/8 \\
&:= 9 \times 9 \times 9 \times 9 + (99 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6575 &:= 11 + (1 + 1 + 1)^{(1+1)^{1+1+1}} + 1 + 1 + 1 \\
&:= 2^{2+2} + ((2/2 + 2)^{2 \times (2+2)} - 2) \\
&:= 3 + (3 \times 3 \times 3^{3+3}) + 33/3 \\
&:= 4 + (((4 - 4/4)^{4+4}) + (44 - 4)/4) \\
&:= 5 \times (5 \times 5 \times 55 - (55 + 5)) \\
&:= 66/6 + (6666 - (6 \times 6 + 66)) \\
&:= 7 + (((7 + 7 + 7)/7)^{7/7+7} + 7) \\
&:= 8 + (((88/8 - 8)^8 - ((8 + 8)/8)) + 8) \\
&:= 9 + (((9 \times 9 + 9)/(9 + 9)) + 9 \times 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6576 &:= (1 + 1 + 1) \times ((1 + 1)^{11} + (1 + 11)^{1+1}) \\
&:= 2 \times (2 \times ((2 \times (22 - 2))^2 + 2 \times 22)) \\
&:= 3 + (3 \times (3 \times 3^{3+3} + 3)) + 3 \\
&:= 4 + (((4 - 4/4)^{4+4}) + 44/4) \\
&:= (5 \times 5 - 5/5) \times (5 \times 55 - 5/5) \\
&:= 6 + (6666 - (6 \times 6 + 66)) + 6 \\
&:= 7 + (((7 + 7 + 7)/7)^{7+7/7} + 7/7) + 7 \\
&:= 8 \times (888 - 8 \times 8) - 8 - 8 \\
&:= 9 + ((9 \times 9 \times 9 \times 9 - ((9 + 9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6577 &:= 1 + ((1 + 1 + 1) \times ((1 + 1)^{11} + (1 + 11)^{1+1})) \\
&:= 2^{2+2} + (2/2 + 2)^{2 \times (2+2)} \\
&:= (3 \times (3 \times (3^{3+3} + 3))) - 33/3 \\
&:= 4 \times 4 + ((4 - 4/4)^{4+4}) \\
&:= 5 + (((5 - 5/5 + 5)^{5-5/5}) + (55/5)) \\
&:= 6666 - ((66/6 + 66 + 6) + 6) \\
&:= 7 \times 7 + (((7 + 7)/7)^7 \times ((7 + 7)/7 + 7 \times 7)) \\
&:= 8 + ((88/8 - 8)^8 + 8) \\
&:= 9 + ((9 \times 9 \times 9 \times 9 - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6578 &:= (1 + 1) \times (11 \times (11 + ((1 + 1) \times (1 + 11)^{1+1}))) \\
&:= 22 \times (((22 + 2)^2) + 22)/2 \\
&:= (3 \times ((3 \times 3^{3+3} + 3) + 3)) - 3/3 \\
&:= 4 \times 4 + (((4 - 4/4)^{4+4}) + 4/4) \\
&:= 55/5 \times ((5^5 - 5 - 5)/5 - 5 \times 5) \\
&:= 66/6 \times (666 - (((6 + 6)/6) + 66)) \\
&:= 77 \times (77 + 7) + (777 - 7)/7 \\
&:= 8 + (((88/8 - 8)^8 + 8/8) + 8) \\
&:= 9 + ((9 \times 9 \times 9 \times 9 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6579 &:= ((1 + 1)^{11} + (11111 - 1))/(1 + 1) \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} + 2^{2+2}) \\
&:= 3 \times (3 \times 3^{3+3} + 3) + 3 \\
&:= 4 \times 4 + (((4 - 4/4)^{4+4}) + (4 + 4)/4) \\
&:= 5555 + (5 - 5/5)^5 \\
&:= 6 + (((6 \times 6/(6 + 6))^{6+(6+6)/6}) + 6) + 6 \\
&:= 777/7 + 77 \times (77 + 7) \\
&:= 8 + (((88/8 - 8)^8 + ((8 + 8)/8)) + 8) \\
&:= 9 + (9 \times 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6580 &:= (1 + ((1 + 1)^{11} + 11111))/(1 + 1) \\
&:= 2 + (22 \times (((22 + 2)^2) + 22)/2) \\
&:= 3/3 + (3 \times ((3 \times 3^{3+3} + 3) + 3)) \\
&:= 4 \times (((4/4 + 4)^4 - 4) + 4 \times 4^4) \\
&:= 5 + (5 \times (5 \times 5 \times 55 - (55 + 5))) \\
&:= ((6 + 6)/6)^6 + (6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6)) \\
&:= 7 + ((77 \times (77 + 7) + 7 \times (7 + 7)) + 7) \\
&:= 8 + ((88/8 - 8)^8 + (88/8)) \\
&:= 9 + ((9 \times 9 \times 9 \times 9 + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6581 &:= 1 + ((1 + ((1 + 1)^{11} + 11111))/(1 + 1)) \\
&:= 22 + ((2/2 + 2)^{2 \times (2+2)} - 2) \\
&:= 33/3 + (3 \times (3 \times 3^{3+3} + 3)) \\
&:= 4 + (((4 - 4/4)^{4+4}) + 4 \times 4) \\
&:= 5 + ((5 \times 5 - 5/5) \times (5 \times 55 - 5/5)) \\
&:= 66 + ((6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6)) - 6/6) \\
&:= 77 \times (77 + 7) + (777 + 7 + 7)/7 \\
&:= 8 \times (888 - 8 \times 8) - 88/8 \\
&:= 9 + (9 \times 9 \times 9 \times 9 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6582 &:= 11 + 11 + (1 + 1 + 1)^{(1+1)^{1+1+1}} - 1 \\
&:= 22 + ((2/2 + 2)^{2 \times (2+2)} - 2/2) \\
&:= 3 + (3 \times ((3 \times 3^{3+3} + 3) + 3)) \\
&:= 4 + (((4 - 4/4)^{4+4}) + 4 \times 4) + 4/4 \\
&:= (5 + 5)/5 \times ((555/5 + 5^5) + 55) \\
&:= 66 + (6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 6)) \\
&:= 7 + (((7 + 7 + 7)/7)^{7/7+7} + 7) + 7 \\
&:= (8 - 88)/8 + 8 \times (888 - 8 \times 8) \\
&:= 9 + (9 \times 9 \times 9 \times 9 + (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6583 &:= 11 + 11 + (1 + 1 + 1)^{(1+1)^{1+1+1}} \\
&:= 22 + (2/2 + 2)^{2 \times (2+2)} \\
&:= 3 + ((3 \times ((3 \times 3^{3+3} + 3) + 3)) + 3/3) \\
&:= ((4 - 4/4)^{4+4}) + (44/((4 + 4)/4)) \\
&:= 5 + ((5555 - 5/5) + (5 - 5/5)^5) \\
&:= 6666 - (66/6 + 66 + 6) \\
&:= ((7 - 7/7) \times (7777 - 7)/7) - 77 \\
&:= 8 \times (888 - 8 \times 8) - (8/8 + 8) \\
&:= 9 \times 9 \times 9 \times 9 + ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6584 &:= 11 + 11 + (1 + 1 + 1)^{(1+1)^{1+1+1}} + 1 \\
&:= 2 \times (2 \times (2222 - ((22 + 2)^2))) \\
&:= (3 \times (3 \times (3^{3+3} + 3))) - (3/3 + 3) \\
&:= 4 + ((4 \times ((4/4 + 4)^4 - 4)) + (4 + 4)^4) \\
&:= 5 + (5555 + (5 - 5/5)^5) \\
&:= (6 - 66)/6 + (6666 - (66 + 6)) \\
&:= 7 \times 7 \times 7 + (((7 + 7)/7 + 77)^{(7+7)/7}) \\
&:= 8 \times (888 - 8 \times 8) - 8 \\
&:= 9 \times 9 \times 9 \times 9 + (99 + 99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6585 &:= (1 + 1 + 1) \times (((1 + 1 + 11)^{1+1+1}) - (1 + 1)) \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} + 22) \\
&:= (3 \times (3 \times (3^{3+3} + 3))) - 3 \\
&:= 4 + (((4 - 4/4)^{4+4}) + 4 \times 4) + 4 \\
&:= (55 \times (5 \times 5 \times 5 - 5)) - (5 + 5 + 5) \\
&:= 6 \times 6 + (6666 - (666/6 + 6)) \\
&:= 7 + (77 \times (77 + 7) + (777 - 7)/7) \\
&:= 8 + (((88/8 - 8)^8 + 8) + 8) \\
&:= 9 + (((9 \times 9 \times 9 \times 9 - ((9 + 9 + 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6586 &:= 1 + ((1 + 1 + 1) \times (((1 + 1 + 11)^{1+1+1}) - (1 + 1))) \\
&:= 2 + (((2/2 + 2)^{2 \times (2+2)} + 22) + 2/2) \\
&:= 3/3 + ((3 \times (3 \times (3^{3+3} + 3))) - 3) \\
&:= 4 + (((4 - 4/4)^{4+4}) + 4 \times 4) + 4/4 + 4 \\
&:= 5 \times 5 + ((5 - 5/5 + 5)^{5-5/5}) \\
&:= 6666 - (((6 + 6)/6) + 66) + 6 + 6 \\
&:= 7 + (77 \times (77 + 7) + 777/7) \\
&:= 8 + (((88/8 - 8)^8 + 8/8) + 8) + 8 \\
&:= 9 + (((9 \times 9 \times 9 \times 9 - ((9 + 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6587 &:= ((1 + 1 + 1) \times (((1 + 1 + 11)^{1+1+1}) - 1)) - 1 \\
&:= 2 + (((2/2 + 2)^{2 \times (2+2)} + 22) + 2) \\
&:= (3 \times (3 \times (3^{3+3} + 3))) - 3/3 \\
&:= 4 + (((4 - 4/4)^{4+4}) + (44/((4 + 4)/4))) \\
&:= 5 \times 5 + (((5 - 5/5 + 5)^{5-5/5}) + 5/5) \\
&:= 6666 - (66 + 6/6 + 6 + 6) \\
&:= 77 + ((77 \times (77 + 7) - 7) + 7 \times 7) \\
&:= 8 + (((88/8 - 8)^8 + ((8 + 8)/8)) + 8) + 8 \\
&:= 9 + (((9 \times 9 \times 9 \times 9 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6588 &:= (1+1+1) \times (((1+1+11)^{1+1+1}) - 1) \\
&:= 2 \times ((2 \times (2222 - ((22+2)^2))) + 2) \\
&:= 3 \times (3 \times (3^{3+3} + 3)) \\
&:= 444 + (4^4 \times ((4 \times 4 + 4) + 4)) \\
&:= ((55+5)/5) \times (555 - (5/5+5)) \\
&:= 6 \times ((6 \times (66+6)) + 666) \\
&:= (7-7/7) \times ((7777+7)/7 - (7+7)) \\
&:= 8 + (((88/8-8)^8 + (88/8)) + 8) \\
&:= 9 + ((9 \times 9 \times 9 \times 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6589 &:= 1 + ((1+1+1) \times (((1+1+11)^{1+1+1}) - 1)) \\
&:= 2 + (((2/2+2)^{2 \times (2+2)} + 22) + 2) + 2) \\
&:= 3/3 + (3 \times (3 \times (3^{3+3} + 3))) \\
&:= 44 + (((4-4/4)^{4+4}) - 4 \times 4) \\
&:= 55/5 \times ((5^5 - 5)/5 - 5 \times 5) \\
&:= 6666 - (66/6 + 66) \\
&:= 77/7 \times (7 \times (77+7) + (77/7)) \\
&:= 8 + (8 \times (888 - 8 \times 8) - (88/8)) \\
&:= 9 + (((9 \times 9 \times 9 \times 9 + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6590 &:= ((1+1+1) \times ((1+1+11)^{1+1+1})) - 1 \\
&:= 222 + (2^{2+2} \times ((22-2)^2 - 2)) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} + 3))) - 3/3) \\
&:= 44 + (((4-4/4)^{4+4}) - 4 \times 4) + 4/4) \\
&:= (55 \times (5 \times 5 \times 5 - 5)) - 5 - 5 \\
&:= (6-66)/6 + (6666 - 66) \\
&:= 77 \times (77+7) + (777+77)/7 \\
&:= 8 \times (888 - 8 \times 8) - (8+8)/8 \\
&:= 9 + ((9 \times 9 \times 9 \times 9 + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6591 &:= (1+1+1) \times ((1+1+11)^{1+1+1}) \\
&:= (2/2+2) \times ((22/2+2)^{2/2+2}) \\
&:= 3 + (3 \times (3 \times (3^{3+3} + 3))) \\
&:= (4 \times (4 \times (444 - 4 \times (4+4)))) - 4/4 \\
&:= 5 + (((5-5/5+5)^{5-5/5}) + 5 \times 5) \\
&:= 6 \times 6 + (6666 - 666/6) \\
&:= 7 + (((7+7)/7 + 77)^{(7+7)/7}) + 7 \times 7 \times 7) \\
&:= 8 \times (888 - 8 \times 8) - 8/8 \\
&:= 999/9 + 9 \times (9 \times 9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6592 &:= 1 + ((1+1+1) \times ((1+1+11)^{1+1+1})) \\
&:= 2 \times (2 \times (2^{22/2} - (22-2)^2)) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} + 3))) + 3/3) \\
&:= 4 \times (4 \times (444 - 4 \times (4+4))) \\
&:= (5+5)/5 + ((55 \times (5 \times 5 \times 5 - 5)) - (5+5)) \\
&:= 6666 - (((6+6)/6) + 66) + 6) \\
&:= (7/7+7) \times ((777 - ((7+7)/7)) + 7 \times 7) \\
&:= 8 \times (888 - 8 \times 8) \\
&:= 9 + (((99+99)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6593 &:= 1 + (1 + ((1+1+1) \times ((1+1+11)^{1+1+1}))) \\
&:= (2 \times 2^{2+2}) + (2/2+2)^{2 \times (2+2)} \\
&:= 33 + ((3 \times 3 \times 3^{3+3}) - 3/3) \\
&:= 4 \times (4+4) + (((4-4/4)^{4+4}) \\
&:= (55 \times (5 \times 5 \times 5 - 5)) - ((5+5)/5+5) \\
&:= 6666 - (66+6/6+6) \\
&:= 7 + ((77 \times (77+7) + 777/7) + 7) \\
&:= 8/8 + 8 \times (888 - 8 \times 8) \\
&:= 9 + ((99+99+9)/9 + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6594 &:= (1+1+1) \times (1 + ((1+1+11)^{1+1+1})) \\
&:= (2/2+2) \times (2222 - (22+2)) \\
&:= 33 + (3 \times 3 \times 3^{3+3}) \\
&:= 44 + (((4-4/4)^{4+4}) - 44/4) \\
&:= (55 \times (5 \times 5 \times 5 - 5)) - (5/5+5) \\
&:= 6666 - (66+6) \\
&:= 77 + (77 \times (77+7) + 7 \times 7) \\
&:= (8+8)/8 + 8 \times (888 - 8 \times 8) \\
&:= 9 \times 9 \times 9 \times 9 + (99/((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6595 &:= 1 + ((1+1+1) \times (1 + ((1+1+11)^{1+1+1}))) \\
&:= 2 + ((2/2+2)^{2 \times (2+2)} + 2 \times 2^{2+2}) \\
&:= 3/3 + ((3 \times 3 \times 3^{3+3}) + 33) \\
&:= (4+4)^4 + ((4 \times (4/4+4)^4) - 4/4) \\
&:= (55 \times (5 \times 5 \times 5 - 5)) - 5 \\
&:= 6/6 + (6666 - (66+6)) \\
&:= 7/7 + ((77 \times (77+7) + 77) + 7 \times 7) \\
&:= 88/8 + (8 \times (888 - 8 \times 8) - 8) \\
&:= 9 + (((9 \times 9 \times 9 \times 9 - ((9+9)/9)) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6596 &:= 1 + (1 + ((1+1+1) \times (1 + ((1+1+11)^{1+1+1})))) \\
&:= 2 + ((2/2+2) \times (2222 - (22+2))) \\
&:= (3 \times ((3 \times (3^{3+3} + 3)) + 3)) - 3/3 \\
&:= 4 \times ((4/4+4)^4 + 4 \times 4^4) \\
&:= 5/5 + ((55 \times (5 \times 5 \times 5 - 5)) - 5) \\
&:= 6666 - (((6+6)/6)^6 + 6) \\
&:= ((7+7)/7)^7 + 77 \times (77+7) \\
&:= 8 \times 8/(8+8) + 8 \times (888 - 8 \times 8) \\
&:= 9 + (((9 \times 9 \times 9 \times 9 - 9/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6597 &:= (1+1+1) \times (1 + (1 + ((1+1+11)^{1+1+1}))) \\
&:= (2+2+2)^2 + (2/2+2)^{2 \times (2+2)} \\
&:= 3 \times ((3 \times (3^{3+3} + 3)) + 3) \\
&:= 4 + (((4-4/4)^{4+4}) + 4 \times (4+4)) \\
&:= (5+5)/5 + ((55 \times (5 \times 5 \times 5 - 5)) - 5) \\
&:= 6 \times 6 + ((6 \times 6/(6+6))^{6+(6+6)/6}) \\
&:= 7/7 + (77 \times (77+7) + ((7+7)/7)^7) \\
&:= 8 + ((8 \times (888 - 8 \times 8) - (88/8)) + 8) \\
&:= 9 + (((9 \times 9 \times 9 \times 9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6598 &:= (1+1) \times (((1+1+1) \times (1111 - 11)) - 1) \\
&:= (22 \times (2^{2 \times (2+2)} + 2 \times 22)) - 2 \\
&:= 3/3 + (3 \times ((3 \times (3^{3+3} + 3)) + 3)) \\
&:= 4 + (((4-4/4)^{4+4}) + 4 \times (4+4)) + 4/4) \\
&:= (55 \times (5 \times 5 \times 5 - 5)) - (5+5)/5 \\
&:= 6666 - (((6+6)/6) + 66) \\
&:= (7 \times (777+7)) + (7777 - 7)/7 \\
&:= 8 + (8 \times (888 - 8 \times 8) - ((8+8)/8)) \\
&:= 9 + (((9 \times 9 \times 9 \times 9 + 9/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6599 &:= ((1+1) \times ((1+1+1) \times (1111 - 11))) - 1 \\
&:= 2 + ((2/2+2)^{2 \times (2+2)} + (2+2+2)^2) \\
&:= 33/3 + (3 \times (3 \times (3^{3+3} + 3))) \\
&:= ((44/4+4) \times (444 - 4)) - 4/4 \\
&:= (55 \times (5 \times 5 \times 5 - 5)) - 5/5 \\
&:= 6666 - (66+6/6) \\
&:= 7777/7 + (7 \times (777+7)) \\
&:= 8 + (8 \times (888 - 8 \times 8) - 8/8) \\
&:= 9 + (((9 \times 9 \times 9 \times 9 + (99/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6600 &:= (1+1) \times ((1+1+1) \times (1111 - 11)) \\
&:= 22 \times (2^{2 \times (2+2)} + 2 \times 22) \\
&:= 3 + (3 \times ((3 \times (3^{3+3} + 3)) + 3)) \\
&:= (44/4+4) \times (444 - 4) \\
&:= 55 \times (5 \times 5 \times 5 - 5) \\
&:= 6666 - 66 \\
&:= (7-7/7) \times ((7777 - 77)/7) \\
&:= 8 + 8 \times (888 - 8 \times 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6601 &:= 1 + ((1+1) \times ((1+1+1) \times (1111 - 11))) \\
&:= 2 \times (22 - 2) + (2/2+2)^{2 \times (2+2)} \\
&:= 3 + ((3 \times ((3 \times (3^{3+3} + 3)) + 3)) + 3/3) \\
&:= 44 + (((4-4/4)^{4+4}) - 4) \\
&:= 5/5 + (55 \times (5 \times 5 \times 5 - 5)) \\
&:= 6/6 + (6666 - 66) \\
&:= 7 \times 7 + ((77+7) \times (7/7+77)) \\
&:= 8 + (8 \times (888 - 8 \times 8) + 8/8) \\
&:= 9 \times 9 \times 9 \times 9 + ((9 \times 9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6602 &:= 11 + ((1+1+1) \times ((1+1+11)^{1+1+1})) \\
&:= 2 + (22 \times (2^{2 \times (2+2)} + 2 \times 22)) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} + 3))) + 33/3) \\
&:= 44 + (((4-4/4)^{4+4}) - 4) + 4/4) \\
&:= (5+5)/5 + (55 \times (5 \times 5 \times 5 - 5)) \\
&:= 6666 - ((6+6)/6)^6 \\
&:= 7/7 + (((77+7) \times (7/7+77)) + 7 \times 7) \\
&:= 8 + (8 \times (888 - 8 \times 8) + ((8+8)/8)) \\
&:= 9 \times 9 \times 9 \times 9 + ((9 \times 9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6603 &:= (1+1+1) \times (1 + ((1+1) \times (1111-11))) \\
&:= 2 \times 22 + ((2/2+2)^{2 \times (2+2)} - 2) \\
&:= 33 + (3 \times (3 \times 3^{3+3} + 3)) \\
&:= 44 + (((4-4/4)^{4+4}) - (4+4)/4) \\
&:= 5 + ((55 \times (5 \times 5 \times 5 - 5)) - ((5+5)/5)) \\
&:= 6/6 + (6666 - ((6+6)/6)^6) \\
&:= 7 + (77 \times (77+7) + ((7+7)/7)^7) \\
&:= 88/8 + 8 \times (888 - 8 \times 8) \\
&:= 9 + ((99/(9+9+9)/9) + 9 \times 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6604 &:= ((111 \times (11^{1+1} - (1+1))) - 1)/(1+1) \\
&:= (22+2+2) \times (2^{2 \times (2+2)} - 2) \\
&:= 3/3 + ((3 \times (3 \times 3^{3+3} + 3)) + 33) \\
&:= 4 + ((44/4+4) \times (444-4)) \\
&:= 5 + ((55 \times (5 \times 5 \times 5 - 5)) - 5/5) \\
&:= 6 + (6666 - (((6+6)/6) + 66)) \\
&:= (7 \times (7 \times (((7+7)/7)^7 + 7))) - 77/7 \\
&:= ((88+8)/8) + 8 \times (888 - 8 \times 8) \\
&:= 9 \times 9 + ((99/9) \times (((9+9)/9)^9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6605 &:= (1 + (111 \times (11^{1+1} - (1+1))))/(1+1) \\
&:= 2 \times 22 + (2/2+2)^{2 \times (2+2)} \\
&:= 33 + ((3 \times 3 \times 3^{3+3}) + 33/3) \\
&:= 44 + ((4-4/4)^{4+4}) \\
&:= 5 + (55 \times (5 \times 5 \times 5 - 5)) \\
&:= 6 + (6666 - (66+6/6)) \\
&:= 77 + (((7+7)/7)^7 \times ((7+7)/7 + 7 \times 7)) \\
&:= (88/8 - 8)^8 + (88/(8+8)/8) \\
&:= 9 + (((9 \times 9 \times 9 \times 9 - 9/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6606 &:= (1+1) \times ((1+1+1) \times (1 + (1111-11))) \\
&:= 2 + ((22+2+2) \times (2^{2 \times (2+2)} - 2)) \\
&:= 3 \times (((3 \times (3^{3+3} + 3)) + 3) + 3) \\
&:= 44 + (((4-4/4)^{4+4}) + 4/4) \\
&:= 5 + ((55 \times (5 \times 5 \times 5 - 5)) + 5/5) \\
&:= 6 + (6666 - 66) \\
&:= 7 + (7777/7 + (7 \times (777+7))) \\
&:= 8 + ((8 \times (888 - 8 \times 8) - ((8+8)/8)) + 8) \\
&:= 9 + (((9 \times 9 \times 9 \times 9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6607 &:= 1 + ((1+1) \times ((1+1+1) \times (1 + (1111-11)))) \\
&:= 2 + ((2/2+2)^{2 \times (2+2)} + 2 \times 22) \\
&:= 3/3 + (3 \times (((3 \times (3^{3+3} + 3)) + 3) + 3)) \\
&:= 44 + (((4-4/4)^{4+4}) + (4+4)/4) \\
&:= 5 + ((55 \times (5 \times 5 \times 5 - 5)) + ((5+5)/5)) \\
&:= 6 + ((6666 - 66) + 6/6) \\
&:= (7 \times (7 \times (((7+7)/7)^7 + 7))) - (7/7+7) \\
&:= 8 + ((8 \times (888 - 8 \times 8) - 8/8) + 8) \\
&:= 99 \times (9 \times 9 - 9) - (((9+9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6608 &:= (1+111) \times ((11^{1+1} - 1)/(1+1) - 1) \\
&:= 2 + (((22+2+2) \times (2^{2 \times (2+2)} - 2)) + 2) \\
&:= 33/3 + (3 \times ((3 \times (3^{3+3} + 3)) + 3)) \\
&:= 4 \times ((4 \times (444 - 4 \times (4+4))) + 4) \\
&:= (555+5)/5 \times (55 - 5/5 + 5) \\
&:= 6 + (6666 - ((6+6)/6)^6) \\
&:= (7/7+7) \times (777+7 \times 7) \\
&:= 8 + (8 \times (888 - 8 \times 8) + 8) \\
&:= 9 + (((9 \times 9 \times 9 \times 9 + (99/9)) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6609 &:= 1 + ((1+111) \times ((11^{1+1} - 1)/(1+1) - 1)) \\
&:= (2 \times (22+2)) + (2/2+2)^{2 \times (2+2)} \\
&:= 3 + (3 \times (((3 \times (3^{3+3} + 3)) + 3) + 3)) \\
&:= 4 + (((4-4/4)^{4+4}) + 44) \\
&:= 5 + (((55 \times (5 \times 5 \times 5 - 5)) - 5/5) + 5) \\
&:= 6 + ((6666 - ((6+6)/6)^6) + 6/6) \\
&:= 7/7 + ((7/7+7) \times (777+7 \times 7)) \\
&:= 8 \times 8 + ((88/8 - 8)^8 - (8+8)) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 9) + 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6610 &:= (11-1) \times (1 + ((1+1) \times ((1+1+1) \times (111-1)))) \\
&:= ((2 \times (2 \times 22 - 2))^2) - (2 \times 222 + 2) \\
&:= (3 - 3/3 + 3) \times ((33/3)^3 - 3 \times 3) \\
&:= 4 + (((4-4/4)^{4+4}) + 44) + 4/4) \\
&:= 5 + ((55 \times (5 \times 5 \times 5 - 5)) + 5) \\
&:= ((66 - 6)/6) + (6666 - 66) \\
&:= 7 \times 7 + (((7+7+7)/7)^{7+7/7}) \\
&:= 8 + ((8 \times (888 - 8 \times 8) + ((8+8)/8)) + 8) \\
&:= 9 \times 9 \times 9 \times 9 + ((9 \times 99 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6611 &:= 11 + ((1+1) \times ((1+1+1) \times (1111-11))) \\
&:= 2 + ((2/2+2)^{2 \times (2+2)} + 2 \times (22+2)) \\
&:= (3 \times (3 \times ((3^{3+3} + 3) + 3))) - (3/3+3) \\
&:= 4 + (((4-4/4)^{4+4}) + (4+4)/4) + 44) \\
&:= 55/5 + (55 \times (5 \times 5 \times 5 - 5)) \\
&:= 66/6 + (6666 - 66) \\
&:= 7 + ((7 \times (7 \times (((7+7)/7)^7 + 7))) - (77/7)) \\
&:= 8 + (8 \times (888 - 8 \times 8) + (88/8)) \\
&:= 9 \times 9 \times 9 \times 9 + ((9 \times 99 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6612 &:= (1+11) \times (1 + ((1111-11)/(1+1))) \\
&:= 2 \times ((2 \times (2 \times 22 - 2)^2) - 222) \\
&:= (3 \times (3 \times ((3^{3+3} + 3) + 3))) - 3 \\
&:= 4 \times (((4/4+4)^4 + 4 \times 4^4) + 4) \\
&:= ((55+5)/5) + (55 \times (5 \times 5 \times 5 - 5)) \\
&:= 6 + ((6666 - 66) + 6) \\
&:= (7/7 - 77) \times (77/7 - 7 \times (7+7)) \\
&:= (8/8 - 88) \times ((88+8)/8 - 88) \\
&:= (9 \times ((9 \times 9 \times 9 + 9) + 9)) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6613 &:= ((1 + (11 - 1 - 1)^{1+1})^{1+1}) - 111 \\
&:= 2 \times (22 + 2 + 2) + (2/2 + 2)^{2 \times (2+2)} \\
&:= 3/3 + ((3 \times (3 \times ((3^{3+3} + 3) + 3))) - 3) \\
&:= 4 + (((4-4/4)^{4+4}) + 44) + 4) \\
&:= 5 + ((555+5)/5 \times (55 - 5/5 + 5)) \\
&:= 6 + (((6666 - 66) + 6/6) + 6) \\
&:= (7 \times (7 \times (((7+7)/7)^7 + 7))) - (7+7)/7) \\
&:= 8 + ((88/8 - 8)^8 + (88/(8+8)/8)) \\
&:= 9 \times (9 \times 9 \times 9 + 9) - (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6614 &:= 1 + (((1 + (11 - 1 - 1)^{1+1})^{1+1}) - 111) \\
&:= 2 + (2 \times ((2 \times (2 \times 22 - 2)^2) - 222)) \\
&:= (3 \times (3 \times ((3^{3+3} + 3) + 3))) - 3/3 \\
&:= ((4-4/4)^{4+4}) + (4^4 - 44)/4) \\
&:= (5 \times (5 \times (5 \times 55 - (5+5)))) - 55/5) \\
&:= 6 + ((6666 - ((6+6)/6)^6) + 6) \\
&:= (7 \times (7 \times (((7+7)/7)^7 + 7))) - 7/7) \\
&:= 8 \times 8 + ((88/8 - 8)^8 - (88/8)) \\
&:= 9 \times (9 \times 9 \times 9 + 9) - ((9/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6615 &:= (1+1+1+1+11) \times ((11 + (11-1))^{1+1}) \\
&:= ((22/2+2) + 2) \times ((22 - 2/2)^2) \\
&:= 3 \times (3 \times ((3^{3+3} + 3) + 3)) \\
&:= (44/4+4) \times ((444-4) + 4/4) \\
&:= 5 + (((55 \times (5 \times 5 \times 5 - 5)) + 5) + 5) \\
&:= 66 + (6666 - (666/6 + 6)) \\
&:= 7 \times (7 \times (((7+7)/7)^7 + 7)) \\
&:= (8 \times 8 - 8/8) \times (((8/8+88) + 8) + 8) \\
&:= 9 \times (9 \times 9 \times 9 + 9) - (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6616 &:= (1+1) \times (1111 + ((1+1+11)^{1+1+1})) \\
&:= 2 \times (((2 \times (2 \times 22 - 2)^2) - 222) + 2) \\
&:= 3/3 + (3 \times (3 \times ((3^{3+3} + 3) + 3))) \\
&:= (444 \times (44/4 + 4)) - 44 \\
&:= 55 + ((5 - 5/5 + 5)^{5-5/5}) \\
&:= 6 + (((66 - 6)/6) - 66) + 6666) \\
&:= 7/7 + (7 \times (7 \times (((7+7)/7)^7 + 7))) \\
&:= 8 + ((8 \times (888 - 8 \times 8) + 8) + 8) \\
&:= 99 \times (9 \times 9 - 9) - ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6617 &:= (1+1+11) \times ((1+1)^{11-1-1} - (1+1+1)) \\
&:= 2 + (((22/2+2) + 2) \times ((22 - 2/2)^2)) \\
&:= 3 + ((3 \times (3 \times ((3^{3+3} + 3) + 3))) - 3/3) \\
&:= 4 + (((4-4/4)^{4+4}) + 44) + 4) + 4) \\
&:= 5 + ((55 \times (5 \times 5 \times 5 - 5)) + ((55+5)/5)) \\
&:= 6 + ((6666 - 66) + (66/6)) \\
&:= 7 + (((7+7+7)/7)^{7+7/7}) + 7 \times 7) \\
&:= 8 \times 8 + ((88/8 - 8)^8 - 8) \\
&:= 9 \times 9 \times 9 \times 9 + ((999+9)/(9+9))
\end{aligned}$$

- 6618 := $(11 + ((1 + (1 + 1 + 1 + 111))^{1+1})) / (1 + 1)$
:= $(2/2 + 2) \times (2222 - 2^{2+2})$
:= $3 + (3 \times (3 \times (3^{3+3} + 3) + 3))$
:= $4 + (((4 - 4/4)^{4+4}) + (4^4 - 44)/4)$
:= $55 + (((5^5 + 5)/(5 + 5) + 5^5) + 5^5)$
:= $6666 - (6 \times 6 + 6 + 6)$
:= $(7 - 7/7) \times ((7777 - 7)/7 - 7)$
:= $8/8 + (((88/8 - 8)^8 - 8) + 8 \times 8)$
:= $9 \times 9 \times 9 + 9 + (((9 + 9)/9)^9 + 9/9)/9$
- 6619 := $1 + ((11 + ((1 + (1 + 1 + 1 + 111))^{1+1})) / (1 + 1))$
:= $2 + (((22/2 + 2) + 2) \times ((22 - 2/2)^2) + 2)$
:= $3 + (3 \times (3 \times (3^{3+3} + 3) + 3)) + 3/3$
:= $(44/4 \times (4/4 + 4)^4) - 4^4$
:= $(5 \times (5 \times (5 \times 55 - (5 + 5)))) - (5/5 + 5)$
:= $6666 - (66/6 + 6 \times 6)$
:= $7 + ((7/7 - 77) \times (77/7 - 7 \times (7 + 7)))$
:= $8 + (8 \times (888 - 8 \times 8) + (88/8) + 8)$
:= $9 + (((9 \times 99 - 9)/(9 + 9)) + 9 \times 9 \times 9 \times 9)$
- 6620 := $(1 + 1) \times ((11 - 1) \times (1 + ((1 + 1 + 1) \times (111 - 1))))$
:= $222 + (((2 \times 2 \times (22 - 2))^2) - 2)$
:= $33 + (3 \times (3 \times (3^{3+3} + 3))) - 3/3$
:= $4 + (444 \times (44/4 + 4) - 44)$
:= $(5 \times (5 \times (5 \times 55 - (5 + 5)))) - 5$
:= $(6 - 66)/6 + (6666 - 6 \times 6)$
:= $7 + ((7 \times (7 \times ((7 + 7)/7)^7 + 7)) - ((7 + 7)/7))$
:= $8 \times 888 - 88 \times 88 / (8 + 8)$
:= $9 \times (9 \times 9 \times 9 + 9) - ((99 + 99)/9)$
- 6621 := $(1 + 1 + 1) \times (11 + (((1 + 1 + 11)^{1+1+1}) - 1))$
:= $222 + (((2 \times 2 \times (22 - 2))^2) - 2/2)$
:= $33 + (3 \times (3 \times (3^{3+3} + 3)))$
:= $4 \times 4 + (((4 - 4/4)^{4+4}) + 44)$
:= $5 + (((5 - 5/5 + 5)^{5-5/5}) + 55)$
:= $66 + (6666 - 666/6)$
:= $7 + ((7 \times (7 \times ((7 + 7)/7)^7 + 7)) - 7/7)$
:= $8 \times 8 + ((88/8 - 8)^8 - 8 \times 8 / (8 + 8))$
:= $9 \times (9 \times 9 \times 9 + 9) - ((99 + 9)/9 + 9)$
- 6622 := $(1 + 1) \times (11 + ((1 + 1 + 1) \times (1111 - 11)))$
:= $222 + ((2 \times 2 \times (22 - 2))^2)$
:= $3/3 + ((3 \times (3 \times (3^{3+3} + 3))) + 33)$
:= $(4^4 + 4)/4 + (((4 - 4/4)^{4+4}) - 4)$
:= $55/5 \times ((5^5 + 5 + 5)/5 - 5 \times 5)$
:= $66/6 \times (666 - ((6 + 6)/6)^6)$
:= $7 + (7 \times (7 \times ((7 + 7)/7)^7 + 7))$
:= $(88/8 - 88) \times (((8 + 8)/8) - 88)$
:= $9 \times (9 \times 9 \times 9 + 9) - (99/9 + 9)$
- 6623 := $((1 + 1) \times ((1 + 11)^{1+1} \times (1 + (11 + 11)))) - 1$
:= $2/2 + (((2 \times 2 \times (22 - 2))^2) + 222)$
:= $(3 \times ((3 \times (3^{3+3} + 3) + 3)) + 3) - 3/3$
:= $4 + ((44/4 \times (4/4 + 4)^4) - 4^4)$
:= $(5 \times (5 \times (5 \times 55 - (5 + 5)))) - (5 + 5)/5$
:= $6666 - (6 \times 6 + 6/6 + 6)$
:= $7 + ((7 \times (7 \times ((7 + 7)/7)^7 + 7)) + 7/7)$
:= $8 \times 8 + ((88/8 - 8)^8 - ((8 + 8)/8))$
:= $9 \times (9 \times 9 \times 9 + 9) - (9/9 + 9 + 9)$
- 6624 := $(1 + 1) \times ((1 + 11)^{1+1} \times (1 + (11 + 11)))$
:= $(2 \times 22 + 2) \times ((2 \times (2 + 2 + 2))^2)$
:= $3 \times (3 \times (3 \times (3^{3+3} + 3) + 3)) + 3$
:= $(4 + 4) \times ((4 \times (4 \times (44 + 4 + 4))) - 4)$
:= $(5 \times 5 - 5/5) \times (5 \times 55 + 5/5)$
:= $6666 - (6 \times 6 + 6)$
:= $(7 - 7/7) \times (7777/7 - 7)$
:= $8 \times 8 + ((88/8 - 8)^8 - 8/8)$
:= $9 \times (9 \times 9 \times 9 + 9) - (9 + 9)$
- 6625 := $1 + ((1 + 1) \times ((1 + 11)^{1+1} \times (1 + (11 + 11))))$
:= $2^{2+2+2} + (2/2 + 2)^{2 \times (2+2)}$
:= $((3/3 + 3)^3) + (3 \times 3 \times 3^{3+3})$
:= $4 \times 4 \times 4 + ((4 - 4/4)^{4+4})$
:= $5 \times (5 \times (5 \times 55 - (5 + 5)))$
:= $6/6 + (6666 - (6 \times 6 + 6))$
:= $7 + ((7 - 7/7) \times ((7777 - 7)/7 - 7))$
:= $8 \times 8 + (88/8 - 8)^8$
:= $9/9 + (9 \times (9 \times 9 \times 9 + 9) - (9 + 9))$
- 6626 := $(1 + 1) \times (1 + ((1 + 11)^{1+1} \times (1 + (11 + 11))))$
:= $2 + ((2 \times 22 + 2) \times ((2 \times (2 + 2 + 2))^2))$
:= $33/3 + (3 \times (3 \times (3^{3+3} + 3) + 3))$
:= $(4^4 + 4)/4 + ((4 - 4/4)^{4+4})$
:= $5/5 + (5 \times (5 \times (5 \times 55 - (5 + 5))))$
:= $(6 + 6)/6 + (6666 - (6 \times 6 + 6))$
:= $77/7 + (7 \times (7 \times ((7 + 7)/7)^7 + 7))$
:= $8/8 + ((88/8 - 8)^8 + 8 \times 8)$
:= $(9 + 9)/9 + (9 \times (9 \times 9 \times 9 + 9) - (9 + 9))$
- 6627 := $(1 + 1 + 1) \times (((1 + 1) \times (1111 - 11)) - 11)$
:= $(2/2 + 2) \times (((2 \times 22 + 2/2) + 2)^2)$
:= $3 + (3 \times (3 \times (3^{3+3} + 3) + 3)) + 3$
:= $((4 - 4/4)^{4+4}) + ((4^4 + 4 + 4)/4)$
:= $(5 + 5)/5 + (5 \times (5 \times (5 \times 55 - (5 + 5))))$
:= $66 + ((6 \times 6 / (6 + 6))^{6+(6+6)/6})$
:= $77 + (7777/7 + 7 \times 777)$
:= $8 \times 8 + ((88/8 - 8)^8 + ((8 + 8)/8))$
:= $9 \times 9 \times 9 \times 9 + ((9 + 9) \times 99 / (9 + 9 + 9))$
- 6628 := $1 + ((1 + 1 + 1) \times (((1 + 1) \times (1111 - 11)) - 11))$
:= $22^2 + (2/2 + 2) \times 2^{22/2}$
:= $3 + ((3 \times 3 \times 3^{3+3}) + ((3/3 + 3)^3))$
:= $4 + (((4 - 4/4)^{4+4}) + ((4^4 - 4)/4))$
:= $5 + ((5 \times (5 \times (5 \times 55 - (5 + 5)))) - ((5 + 5)/5))$
:= $6666 - ((6 + 6)/6 + 6 \times 6)$
:= $7 + (((7 \times (7 \times ((7 + 7)/7)^7 + 7)) - 7/7) + 7)$
:= $8 + (8 \times 888 - 88 \times 88 / (8 + 8))$
:= $((9 - 99) / (9 + 9)) + (9 \times (9 \times 9 \times 9 + 9) - 9)$
- 6629 := $((11 - 1) \times ((1 + 1 + 1) \times ((1 + 1) \times 111 - 1))) - 1$
:= $2 + ((2/2 + 2) \times (((2 \times 22 + 2/2) + 2)^2))$
:= $(33 \times (33 \times (3 + 3) + 3)) - (3/3 + 3)$
:= $4 + (((4 - 4/4)^{4+4}) + 4 \times 4 \times 4)$
:= $5 + ((5 \times 5 - 5/5) \times (5 \times 55 + 5/5))$
:= $6666 - (6 \times 6 + 6/6)$
:= $7 + ((7 \times (7 \times ((7 + 7)/7)^7 + 7)) + 7)$
:= $8 \times 8 + ((88/8 - 8)^8 + 8 \times 8 / (8 + 8))$
:= $9 \times (9 \times 9 \times 9 + 9) - (99 + 9 + 9)/9$
- 6630 := $(11 - 1) \times ((1 + 1 + 1) \times ((1 + 1) \times 111 - 1))$
:= $(22/2 + 2) \times ((2^{(2/2+2)^2}) - 2)$
:= $(33 \times (33 \times (3 + 3) + 3)) - 3$
:= $4 + (((4 - 4/4)^{4+4}) + (4^4 + 4)/4)$
:= $5 + (5 \times (5 \times (5 \times 55 - (5 + 5))))$
:= $6666 - 6 \times 6$
:= $(7/7 + 77) \times (7/7 + 77 + 7)$
:= $(8/8 + 8 \times 8) \times ((888 - 8)/8 - 8)$
:= $9 \times (9 \times 9 \times 9 + 9) - (99 + 9)/9$
- 6631 := $1 + ((11 - 1) \times ((1 + 1 + 1) \times ((1 + 1) \times 111 - 1)))$
:= $(2 \times 2 \times 22)^2 - ((2222/2) + 2)$
:= $3/3 + ((33 \times (33 \times (3 + 3) + 3)) - 3)$
:= $4 + (((4 - 4/4)^{4+4}) + ((4^4 + 4 + 4)/4))$
:= $5 + ((5 \times (5 \times (5 \times 55 - (5 + 5)))) + 5/5)$
:= $6/6 + (6666 - 6 \times 6)$
:= $7 + ((7 - 7/7) \times (7777/7 - 7))$
:= $8 + (((88/8 - 8)^8 - ((8 + 8)/8)) + 8 \times 8)$
:= $9 \times (9 \times 9 \times 9 + 9) - 99/9$
- 6632 := $((1 + 1 + 1) \times (((1 + 1) \times 1111) - 11)) - 1$
:= $2 + ((22/2 + 2) \times ((2^{(2/2+2)^2}) - 2))$
:= $(33 \times (33 \times (3 + 3) + 3)) - 3/3$
:= $4 + (((4 - 4/4)^{4+4}) + ((4^4 - 4)/4) + 4)$
:= $((5 + 5)/5)^5 + (55 \times (5 \times 5 \times 5 - 5))$
:= $(6 + 6)/6 + (6666 - 6 \times 6)$
:= $(7/7 + 7) \times ((77/7 \times (77 - 7/7)) - 7)$
:= $8 \times 8 \times (88 + 8 + 8) - 8 - 8 - 8$
:= $9 \times (9 \times 9 \times 9 + 9) - 9/9 - 9$

$$\begin{aligned}
\blacktriangleright 6633 &:= (1+1+1) \times (((1+1) \times 1111) - 11) \\
&:= (2/2+2) \times (2222-22/2) \\
&:= 33 \times (33 \times (3+3) + 3) \\
&:= 4 + (((4-4/4)^{4+4}) + 4 \times 4 \times 4) + 4 \\
&:= 55/5 \times ((5^5 - (55+55))/5) \\
&:= 6666 - (66 \times 6/(6+6)) \\
&:= 7 + ((7 \times (7 \times ((7+7)/7)^7 + 7)) + (77/7)) \\
&:= 8 + ((88/8-8)^8 + 8 \times 8) \\
&:= 9 \times (9 \times 9 \times 9 + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6634 &:= 1 + ((1+1+1) \times (((1+1) \times 1111) - 11)) \\
&:= (2^{2 \times (2+2)} \times (22+2+2)) - 22 \\
&:= 3/3 + (33 \times (33 \times (3+3) + 3)) \\
&:= (444/4-4) \times (4^4 - 4 - 4/4) \\
&:= 55 + (5555 + (5-5/5)^5) \\
&:= 6 + (6666 - ((6+6)/6 + 6 \times 6)) \\
&:= ((7+7) \times (7 \times (77-7) - 7)) - ((7+7)/7)^7 \\
&:= 8 + (((88/8-8)^8 + 8 \times 8) + 8/8) \\
&:= 9/9 + (9 \times (9 \times 9 \times 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6635 &:= 1 + (1 + ((1+1+1) \times (((1+1) \times 1111) - 11))) \\
&:= 2 + ((2/2+2) \times (2222-22/2)) \\
&:= 3 + ((33 \times (33 \times (3+3) + 3)) - 3/3) \\
&:= (4/4+4) \times (((44/4)^{4-4/4}) - 4) \\
&:= 5 + ((5 \times (5 \times (5 \times 55 - (5+5)))) + 5) \\
&:= 6 + (6666 - (6 \times 6 + 6/6)) \\
&:= ((77+7) \times ((7+7)/7 + 77)) - 7/7 \\
&:= 8 + (((88/8-8)^8 + ((8+8)/8)) + 8 \times 8) \\
&:= (9+9)/9 + (9 \times (9 \times 9 \times 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6636 &:= (1+1+1) \times (1 + (((1+1) \times 1111) - 11)) \\
&:= 2 + ((2^{2 \times (2+2)} \times (22+2+2)) - 22) \\
&:= 3 + (33 \times (33 \times (3+3) + 3)) \\
&:= 44 + (4 \times (4 \times (444-4 \times (4+4)))) \\
&:= (5/5+5) \times (5555/5-5) \\
&:= 6 + (6666 - 6 \times 6) \\
&:= (77+7) \times ((7+7)/7 + 77) \\
&:= 8 \times 8 + ((88/8-8)^8 + (88/8)) \\
&:= ((9+9+9)/9) + (9 \times (9 \times 9 \times 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6637 &:= 1 + ((1+1+1) \times (1 + (((1+1) \times 1111) - 11))) \\
&:= ((22 - (2/2+2))^{2/2+2}) - 222 \\
&:= 3 + ((33 \times (33 \times (3+3) + 3)) + 3/3) \\
&:= 44 + (((4-4/4)^{4+4}) + 4 \times (4+4)) \\
&:= 5 + ((55 \times (5 \times 5 \times 5 - 5)) + ((5+5)/5)^5) \\
&:= 6 + ((6666 - 6 \times 6) + 6/6) \\
&:= 7 + ((7/7+77) \times (7/7+77+7)) \\
&:= 8 \times 8 \times (88+8+8) - (88/8+8) \\
&:= ((9-99)/(9+9)) + 9 \times (9 \times 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6638 &:= (1+1) \times (((1+1+1) \times (1111-1)) - 11) \\
&:= ((2/2+2) \times (2222-2)) - 22 \\
&:= (3 \times (3 \times 3^{3+3} + 3^3)) - (3/3+3) \\
&:= (4-4/4)^4 + (((4-4/4)^{4+4}) - 4) \\
&:= 5 + (55/5 \times ((5^5 - (55+55))/5)) \\
&:= 6 + ((6666 - 6 \times 6) + ((6+6)/6)) \\
&:= 77 + (((7+7+7)/7)^{7+7/7}) \\
&:= 88 + ((88/8-8)^8 - (88/8)) \\
&:= ((9-9 \times 9)/(9+9)) + 9 \times (9 \times 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6639 &:= (1+1+1) \times (((1+1) \times (1+1111)) - 11) \\
&:= (2/2+2) \times ((2222-22/2)+2) \\
&:= (3 \times (3 \times 3^{3+3} + 3^3)) - 3 \\
&:= 4 + ((4/4+4) \times (((44/4)^{4-4/4}) - 4)) \\
&:= (5 \times 5 \times (5 \times 55 - 5)) - 555/5 \\
&:= 6 + (6666 - (66 \times 6/(6+6))) \\
&:= 7/7 + (((7+7+7)/7)^{7+7/7} + 77) \\
&:= 8 \times 8 \times (88+8+8) - (8/8+8+8) \\
&:= 9 \times (9 \times 9 \times 9 + 9) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6640 &:= (1+1) \times ((11-1) \times ((1+1+1) \times 111-1)) \\
&:= 2 + (((2/2+2) \times (2222-2)) - 22) \\
&:= (3-3/3+3) \times ((33/3)^3 - 3) \\
&:= 4 \times ((4 \times (4+4) \times 44-4) + 4^4) \\
&:= 5 + (((5 \times (5 \times (5 \times 55 - (5+5)))) + 5) + 5) \\
&:= ((66-6)/6) + (6666-6 \times 6) \\
&:= ((7-7/7+7)+7) \times (7 \times 7 \times 7 - (77/7)) \\
&:= 8 \times 8 \times (88+8+8) - 8-8 \\
&:= 9 \times (9 \times 9 \times 9 + 9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6641 &:= 1 + ((1+1) \times ((11-1) \times ((1+1+1) \times 111-1))) \\
&:= (22-2)^2 + (((2/2+2)^{2+2} - 2)^2) \\
&:= (3 \times (3 \times 3^{3+3} + 3^3)) - 3/3 \\
&:= (4 \times (4 \times 4 + 4)) + ((4-4/4)^{4+4}) \\
&:= 5 + ((5/5+5) \times (5555/5-5)) \\
&:= 66/6 + (6666 - 6 \times 6) \\
&:= 7 + (((7+7) \times (7 \times (77-7) - 7)) - ((7+7)/7)^7) \\
&:= 88 + ((88/8-8)^8 - 8) \\
&:= 9 \times (9 \times 9 \times 9 + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6642 &:= (1+1) \times (((1+1+1) \times 1111) - (1+11)) \\
&:= (2/2+2) \times (2222-2 \times (2+2)) \\
&:= 3 \times (3 \times 3^{3+3} + 3^3) \\
&:= (4-4/4)^4 + (((4-4/4)^{4+4}) - 4) \\
&:= (5/5+5) \times ((5555+5)/5-5) \\
&:= 6 + ((6666 - 6 \times 6) + 6) \\
&:= 7 + (((77+7) \times ((7+7)/7 + 77)) - 7/7) \\
&:= 8/8 + (((88/8-8)^8 - 8) + 88) \\
&:= 9 \times (9 \times 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6643 &:= (1+1+11) \times ((1+1)^{11-1-1} - 1) \\
&:= (22/2+2) \times ((2^{(2/2+2)^2}) - 2/2) \\
&:= 3/3 + (3 \times (3 \times 3^{3+3} + 3^3)) \\
&:= 4/4 + (((4-4/4)^{4+4}) + (4-4/4)^4) \\
&:= (((55+5)/5) \times (555-5/5)) - 5 \\
&:= 6666 - ((66/6+6) + 6) \\
&:= 7 + ((77+7) \times ((7+7)/7 + 77)) \\
&:= (88+8+8)/8 \times (8 \times 8 \times 8 - 8/8) \\
&:= 9/9 + 9 \times (9 \times 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6644 &:= (1+1) \times (((1+1+1) \times 1111) - 11) \\
&:= 22 \times ((2^{2+2} + 2)^2) - 22 \\
&:= 3 + ((3 \times (3 \times 3^{3+3} + 3^3)) - 3/3) \\
&:= 44 \times ((444/4-4) + 44) \\
&:= 55/5 \times ((55 \times 55 - 5)/5) \\
&:= 6666 - ((66+66)/6) \\
&:= 7 + (((7/7+77) \times (7/7+77+7)) + 7) \\
&:= 8 \times 8 \times (88+8+8) - (88+8)/8 \\
&:= (9+9)/9 + 9 \times (9 \times 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6645 &:= 1 + ((1+1) \times (((1+1+1) \times 1111) - 11)) \\
&:= 2/2 + (22 \times ((2^{2+2} + 2)^2) - 22) \\
&:= 3 + (3 \times (3 \times 3^{3+3} + 3^3)) \\
&:= (44/4+4) \times (444-4/4) \\
&:= (5 \times ((5 \times (5 \times 55 - (5+5)))) + 5) - 5 \\
&:= 6666 + ((6 - (66+66))/6) \\
&:= 7 + (((7+7+7)/7)^{7+7/7} + 77) \\
&:= 8 \times 8 \times (88+8+8) - 88/8 \\
&:= ((9+9+9)/9) + 9 \times (9 \times 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6646 &:= (1+1) \times (1 + (((1+1+1) \times 1111) - 11)) \\
&:= 2 + (22 \times ((2^{2+2} + 2)^2) - 22) \\
&:= 3 + ((3 \times (3 \times 3^{3+3} + 3^3)) + 3/3) \\
&:= 4 + (((4-4/4)^{4+4}) + (4-4/4)^4) \\
&:= 5 + (((5/5+5) \times (5555/5-5)) + 5) \\
&:= 6666 - (((6+6)/6 + 6 + 6) + 6) \\
&:= ((7+7+7)/7)^7 + (7 \times (7 \times (77+7+7))) \\
&:= (8-88)/8 + 8 \times 8 \times (88+8+8) \\
&:= 9 \times (9 \times 9 \times 9 + 9) + ((9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6647 &:= ((1+11) \times (((1111-1)/(1+1)) - 1)) - 1 \\
&:= (22+2/2) \times ((2^{2+2} + 2/2)^2) \\
&:= ((3+3) \times (3333/3-3)) - 3/3 \\
&:= 4^4 + (44/4 \times ((4/4+4)^4 - 44)) \\
&:= 5 + ((5/5+5) \times ((5555+5)/5-5)) \\
&:= 6666 - ((6/6+6+6) + 6) \\
&:= 77/7 + ((77+7) \times ((7+7)/7 + 77)) \\
&:= 8 \times 8 \times (88+8+8) - (8/8+8) \\
&:= 9 \times (9 \times 9 \times 9 + 9) + ((9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6648 &:= (1+11) \times (((1111-1)/(1+1)) - 1) \\
&:= 2 \times ((2+2+2) \times (((22+2)^2) - 22)) \\
&:= (3+3) \times (3333/3 - 3) \\
&:= 4 + (44 \times ((444/4 - 4) + 44)) \\
&:= ((55+5)/5) \times (555 - 5/5) \\
&:= 6666 - 6 - 6 - 6 \\
&:= (7 - 7/7) \times ((7777 - 7 - 7 - 7)/7) \\
&:= 8 \times 8 \times (88 + 8 + 8) - 8 \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6649 &:= 1 + ((1+11) \times (((1111-1)/(1+1)) - 1)) \\
&:= 2 \times 2 \times 22 + (2/2 + 2)^{2 \times (2+2)} \\
&:= 3/3 + ((3+3) \times (3333/3 - 3)) \\
&:= 44 + (((4-4/4)^{4+4}) + 44) \\
&:= 5 + (55/5 \times ((55 \times 55 - 5)/5)) \\
&:= 6666 - (66/6 + 6) \\
&:= (7 \times (77 \times (7+7) - ((7+7)/7)^7)) - 7/7 \\
&:= 88 + (88/8 - 8)^8 \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6650 &:= (11-1) \times ((11^{1+1+1} - 1)/(1+1)) \\
&:= ((2/2+2) \times 2222) - 2^{2+2} \\
&:= (3-3/3+3) \times ((33/3)^3 - 3/3) \\
&:= 4 + (((4-4/4)^{4+4}) + (4-4/4)^4) + 4 \\
&:= 5 \times ((5 \times (5 \times 55 - (5+5))) + 5) \\
&:= (6-66)/6 + (6666-6) \\
&:= 7 \times (77 \times (7+7) - ((7+7)/7)^7) \\
&:= 8/8 + ((88/8 - 8)^8 + 88) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6651 &:= 1 + ((11-1) \times ((11^{1+1+1} - 1)/(1+1))) \\
&:= 2 + ((2/2+2)^{2 \times (2+2)} + 2 \times 2 \times 22) \\
&:= 3 \times ((3 \times 3^{3+3} + 3^3) + 3) \\
&:= ((4/4+4) \times ((44/4)^{4-4/4})) - 4 \\
&:= 5/5 + (5 \times ((5 \times (5 \times 55 - (5+5))) + 5)) \\
&:= 6666 + (6-6 \times 6)/((6+6)/6) \\
&:= 7/7 + (7 \times (77 \times (7+7) - ((7+7)/7)^7)) \\
&:= 88 + ((88/8 - 8)^8 + ((8+8)/8)) \\
&:= 9 + 9 \times (9 \times 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6652 &:= (1+1) \times (((1+1+1) \times (1111 - (1+1))) - 1) \\
&:= 2 \times (((22/2+2) \times 2^{2 \times (2+2)}) - 2) \\
&:= ((3-3/3+3) \times (33/3)^3) - 3 \\
&:= (444 \times (44/4 + 4)) - 4 - 4 \\
&:= (5+5)/5 + (5 \times ((5 \times (5 \times 55 - (5+5))) + 5)) \\
&:= 6666 - ((6+6)/6 + 6 + 6) \\
&:= ((7-7/7) \times 7777/7) - (7+7) \\
&:= 8 \times 8 \times (88 + 8 + 8) - 8 \times 8/(8+8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6653 &:= (11 \times 11 \times (111-1)/(1+1)) - 1 - 1 \\
&:= (2 \times (2 \times 22 + 2)) + (2/2 + 2)^{2 \times (2+2)} \\
&:= 33/3 + (3 \times (3 \times 3^{3+3} + 3^3)) \\
&:= 4 + (((4-4/4)^{4+4}) + 44) + 44 \\
&:= 5 + (((55+5)/5) \times (555 - 5/5)) \\
&:= 6666 - (6/6 + 6 + 6) \\
&:= ((7-7/7) \times (7777 - 7)/7) - 7 \\
&:= 8 + (8 \times 8 \times (88 + 8 + 8) - (88/8)) \\
&:= 99/9 + 9 \times (9 \times 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6654 &:= (1+1) \times ((1+1+1) \times (1111 - (1+1))) \\
&:= (2/2+2) \times (2222 - (2+2)) \\
&:= 3 + (3 \times ((3 \times 3^{3+3} + 3^3) + 3)) \\
&:= (4+4)^4 + ((4^4 \times (44-4) - (4+4))/4) \\
&:= 55 + ((55 \times (5 \times 5 \times 5 - 5)) - 5/5) \\
&:= 6666 - 6 - 6 \\
&:= (7-7/7) \times ((7777 - 7 - 7)/7) \\
&:= 8 \times 8 \times (88 + 8 + 8) - (8+8)/8 \\
&:= (99+9)/9 + 9 \times (9 \times 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6655 &:= 11 \times 11 \times (111-1)/(1+1) \\
&:= 22/2 \times ((22/2)^2 + 22^2) \\
&:= (3-3/3+3) \times (33/3)^3 \\
&:= (4/4+4) \times ((44/4)^{4-4/4}) \\
&:= 5 \times ((55/5)^{5-(5+5)/5}) \\
&:= 6666 - 66/6 \\
&:= ((7 \times 7 - 7/7) + 7) \times (((7+7)/7)^7 - 7) \\
&:= 8 \times 8 \times (88 + 8 + 8) - 8/8 \\
&:= 9 \times (9 \times 9 \times 9 + 9) + ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6656 &:= (1+1+11) \times (1+1)^{11-1-1} \\
&:= 2^{2 \times (2+2)} \times (22+2+2) \\
&:= 3/3 + ((3-3/3+3) \times (33/3)^3) \\
&:= 4 \times (4 \times (4+4) \times 44 + 4^4) \\
&:= 55 + ((55 \times (5 \times 5 \times 5 - 5)) + 5/5) \\
&:= (6-66)/6 + 6666 \\
&:= ((7+7)/7)^7 \times (((7+7+7)/7) + 7 \times 7) \\
&:= 8 \times 8 \times (88 + 8 + 8) \\
&:= (((9+9)/9)^9) \times ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6657 &:= 1 + ((1+1+11) \times (1+1)^{11-1-1}) \\
&:= 2/2 + (2^{2 \times (2+2)} \times (22+2+2)) \\
&:= (3 \times (3 \times 3^{3+3} + 33)) - 3 \\
&:= 4/4 + (4 \times (4 \times (4+4) \times 44 + 4^4)) \\
&:= 55 + ((55 \times (5 \times 5 \times 5 - 5)) + ((5+5)/5)) \\
&:= 6666 + (((6-66) + 6)/6) \\
&:= 777 + ((77-7) \times (77+7)) \\
&:= 8 + ((88/8 - 8)^8 + 88) \\
&:= 99 + (9 \times 9 \times 9 \times 9 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6658 &:= (1+1) \times (((1+1+1) \times (1111-1)) - 1) \\
&:= 2 + (2^{2 \times (2+2)} \times (22+2+2)) \\
&:= 3 + ((3-3/3+3) \times (33/3)^3) \\
&:= (444 \times (44/4 + 4)) - (4+4)/4 \\
&:= (555 \times ((55+5)/5)) - (5+5)/5 \\
&:= 6666 - ((6+6)/6 + 6) \\
&:= 7/7 + (((77-7) \times (77+7)) + 777) \\
&:= (8+8)/8 + 8 \times 8 \times (88 + 8 + 8) \\
&:= 99 + (9 \times 9 \times 9 \times 9 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6659 &:= ((1+1) \times ((1+1+1) \times (1111-1))) - 1 \\
&:= ((2/2+2) \times (2222-2)) - 2/2 \\
&:= (3 \times (3 \times 3^{3+3} + 33)) - 3/3 \\
&:= (444 \times (44/4 + 4)) - 4/4 \\
&:= (555 \times ((55+5)/5)) - 5/5 \\
&:= 6666 - 6/6 - 6 \\
&:= ((7-7/7) \times 7777/7) - 7 \\
&:= 88/8 + (8 \times 8 \times (88 + 8 + 8) - 8) \\
&:= 99 + (9 \times 9 \times 9 \times 9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6660 &:= (1+1) \times ((1+1+1) \times (1111-1)) \\
&:= (2/2+2) \times (2222-2) \\
&:= 3 \times (3 \times 3^{3+3} + 33) \\
&:= 444 \times (44/4 + 4) \\
&:= 555 \times ((55+5)/5) \\
&:= 6666 - 6 \\
&:= (7-7/7) \times (7777-7)/7 \\
&:= 88 + ((88/8 - 8)^8 + (88/8)) \\
&:= 99 + 9 \times 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6661 &:= 1 + ((1+1) \times ((1+1+1) \times (1111-1))) \\
&:= 2/2 + ((2/2+2) \times (2222-2)) \\
&:= 3/3 + (3 \times (3 \times 3^{3+3} + 33)) \\
&:= 4/4 + (444 \times (44/4 + 4)) \\
&:= 5/5 + (555 \times ((55+5)/5)) \\
&:= 6/6 + (6666-6) \\
&:= 7 + ((7-7/7) \times ((7777-7-7)/7)) \\
&:= 8 + ((8 \times 8 \times (88 + 8 + 8) - (88/8)) + 8) \\
&:= 9/9 + (9 \times 9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6662 &:= (1+1) \times (1 + ((1+1+1) \times (1111-1))) \\
&:= 2 + ((2/2+2) \times (2222-2)) \\
&:= 3 + ((3 \times (3 \times 3^{3+3} + 33)) - 3/3) \\
&:= (4+4)/4 + (444 \times (44/4 + 4)) \\
&:= (5+5)/5 + (555 \times ((55+5)/5)) \\
&:= (6+6)/6 + (6666-6) \\
&:= 7 + (((7 \times 7 - 7/7) + 7) \times (((7+7)/7)^7 - 7)) \\
&:= 8 + (8 \times 8 \times (88 + 8 + 8) - ((8+8)/8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6663 &:= (1+1+1) \times (((1+1) \times 1111) - 1) \\
&:= (2/2+2) \times (2222-2/2) \\
&:= 3 + (3 \times (3 \times 3^{3+3} + 33)) \\
&:= 4 + ((444 \times (44/4+4)) - 4/4) \\
&:= 5 + ((555 \times ((55+5)/5)) - ((5+5)/5)) \\
&:= 6666 - 6 \times 6/(6+6) \\
&:= (7 \times ((7 \times (((7+7)/7)^7 + 7)) + 7)) - 7/7 \\
&:= 8 + (8 \times 8 \times (88+8+8) - 8/8) \\
&:= 9 \times 9 \times 9 \times 9 + (999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6664 &:= (1+1) \times (((1+1+1) \times 1111) - 1) \\
&:= ((2/2+2) \times 2222) - 2 \\
&:= (3-3/3) \times (3333-3/3) \\
&:= 4 + (444 \times (44/4+4)) \\
&:= 5 + ((555 \times ((55+5)/5)) - 5/5) \\
&:= 6666 - (6+6)/6 \\
&:= 7 \times ((7 \times (((7+7)/7)^7 + 7)) + 7) \\
&:= 8 + 8 \times 8 \times (88+8+8) \\
&:= 9 \times 9 \times 9 \times 9 + (((999+9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6665 &:= ((1+1) \times ((1+1+1) \times 1111)) - 1 \\
&:= ((2/2+2) \times 2222) - 2/2 \\
&:= ((3+3) \times 3333/3) - 3/3 \\
&:= 4 + ((444 \times (44/4+4)) + 4/4) \\
&:= 5 + (555 \times ((55+5)/5)) \\
&:= 6666 - 6/6 \\
&:= 7/7 + (7 \times ((7 \times (((7+7)/7)^7 + 7)) + 7)) \\
&:= 8 + (((88/8-8)^8 + 88) + 8) \\
&:= 9 + (((9+9)/9)^9) \times ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6666 &:= (1+1) \times ((1+1+1) \times 1111) \\
&:= (2/2+2) \times 2222 \\
&:= (3+3) \times 3333/3 \\
&:= ((4+4)/4+4) \times 4444/4 \\
&:= (5/5+5) \times 5555/5 \\
&:= 6666 \\
&:= (7-7/7) \times 7777/7 \\
&:= (8-(8+8)/8) \times 8888/8 \\
&:= (9-((9+9+9)/9)) \times 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6667 &:= 1 + ((1+1) \times ((1+1+1) \times 1111)) \\
&:= 2/2 + ((2/2+2) \times 2222) \\
&:= 3/3 + ((3+3) \times 3333/3) \\
&:= 44444/4 - 4444 \\
&:= 5/5 + ((5/5+5) \times 5555/5) \\
&:= 6/6 + 6666 \\
&:= 7 + ((7-7/7) \times (7777-7)/7) \\
&:= 88/8 + 8 \times 8 \times (88+8+8) \\
&:= 9 + ((9 \times 9 \times 9 \times 9 - ((9+9)/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6668 &:= (1+1) \times (1 + ((1+1+1) \times 1111)) \\
&:= 2 + ((2/2+2) \times 2222) \\
&:= (3-3/3) \times (3333+3/3) \\
&:= 4 + ((444 \times (44/4+4)) + 4) \\
&:= (5+5)/5 + ((5/5+5) \times 5555/5) \\
&:= (6+6)/6 + 6666 \\
&:= (7+7)/7 + ((7-7/7) \times 7777/7) \\
&:= ((88+8)/8) + 8 \times 8 \times (88+8+8) \\
&:= 9 + ((9 \times 9 \times 9 \times 9 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6669 &:= (1+1+1) \times (1 + ((1+1) \times 1111)) \\
&:= (2/2+2) \times (2222+2/2) \\
&:= 3 + ((3+3) \times 3333/3) \\
&:= 44 + (((4-4/4)^{4+4}) + 4 \times 4 \times 4) \\
&:= 5 + (((555 \times ((55+5)/5)) - 5/5) + 5) \\
&:= 6666 + (6 \times 6/(6+6)) \\
&:= ((77+7)/7+7) \times ((7 \times 7 \times 7 + 7/7) + 7) \\
&:= (88+8+8)/8 \times (8 \times 8 \times 8 + 8/8) \\
&:= 9 + (9 \times 9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6670 &:= 1 + ((1+1+1) \times (1 + ((1+1) \times 1111))) \\
&:= 2 + (((2/2+2) \times 2222) + 2) \\
&:= (3-3/3+3) \times ((33/3)^3 + 3) \\
&:= 4 + (((4+4)/4+4) \times 4444/4) \\
&:= 5 + ((555 \times ((55+5)/5)) + 5) \\
&:= 6 + (6666 - ((6+6)/6)) \\
&:= 7 + ((7 \times ((7 \times (((7+7)/7)^7 + 7)) + 7)) - 7/7) \\
&:= 8 + ((8 \times 8 \times (88+8+8) - ((8+8)/8)) + 8) \\
&:= 9 + ((9 \times 9 \times 9 \times 9 + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6671 &:= ((1+1) \times ((1+1+1) \times (1 + 1111))) - 1 \\
&:= 2 + ((2/2+2) \times (2222+2/2)) \\
&:= 3 + ((3-3/3) \times (3333+3/3)) \\
&:= 44/4 + (444 \times (44/4+4)) \\
&:= 5 + ((5/5+5) \times 5555/5) \\
&:= 6 + (6666 - 6/6) \\
&:= 7 + (7 \times ((7 \times (((7+7)/7)^7 + 7)) + 7)) \\
&:= 8 + ((8 \times 8 \times (88+8+8) - 8/8) + 8) \\
&:= 99 + (9 \times 9 \times 9 \times 9 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6672 &:= (1+1) \times ((1+1+1) \times (1 + 1111)) \\
&:= (2/2+2) \times (2222+2) \\
&:= (3+3) \times ((3333+3)/3) \\
&:= 4 \times ((4 \times (4+4) \times 44+4^4) + 4) \\
&:= (5/5+5) \times (5555+5)/5 \\
&:= 6 + 6666 \\
&:= (7-7/7) \times (7777+7)/7 \\
&:= 8 + (8 \times 8 \times (88+8+8) + 8) \\
&:= 9 \times 9 \times 9 \times 9 + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6673 &:= 1 + ((1+1) \times ((1+1+1) \times (1 + 1111))) \\
&:= 2/2 + ((2/2+2) \times (2222+2)) \\
&:= 3 + ((3-3/3+3) \times ((33/3)^3 + 3)) \\
&:= ((4-4/4)^{4+4}) + (4 \times (44-4 \times 4)) \\
&:= 5 \times 5 + (((55+5)/5) \times (555-5/5)) \\
&:= 6 + (6666+6/6) \\
&:= 7 + ((7-7/7) \times 7777/7) \\
&:= 8 + (((88/8-8)^8 + 88) + 8) \\
&:= 9 \times 9 \times 9 \times 9 + ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6674 &:= (1+1) \times (1 + ((1+1+1) \times (1 + 1111))) \\
&:= 2 + ((2/2+2) \times (2222+2)) \\
&:= (3-3/3) \times ((3333+3/3) + 3) \\
&:= 4 + (((4+4)/4+4) \times 4444/4) + 4 \\
&:= (5^5 - 5)/5 + 55 \times (55+55) \\
&:= 6 + (6666 + ((6+6)/6)) \\
&:= 7 + (((7-7/7) \times (7777-7)/7) + 7) \\
&:= 8 + ((8-(8+8)/8) \times 8888/8) \\
&:= 9 \times 9 \times 9 \times 9 + ((999+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6675 &:= (1+1+1) \times (1 + ((1+1) \times (1 + 1111))) \\
&:= (2/2+2) \times ((2222+2/2) + 2) \\
&:= 3 + ((3+3) \times ((3333+3)/3)) \\
&:= (44/4+4) \times (444+4/4) \\
&:= 5 \times (((5 \times (5 \times 55 - (5+5))) + 5) + 5) \\
&:= 6 + (6666 + (6 \times 6/(6+6))) \\
&:= 77/7 + (7 \times ((7 \times (((7+7)/7)^7 + 7)) + 7)) \\
&:= (8/8+88) \times (88/8+8 \times 8) \\
&:= 9 + ((9 - ((9+9+9)/9)) \times 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6676 &:= 1 + ((1+1+1) \times (1 + ((1+1) \times (1 + 1111)))) \\
&:= 2 + (((2/2+2) \times (2222+2)) + 2) \\
&:= 3 + (((3-3/3+3) \times ((33/3)^3 + 3)) + 3) \\
&:= 4 \times 4 + (444 \times (44/4+4)) \\
&:= (5/5+5)^5 + (55 \times (5-5 \times 5)) \\
&:= ((66-6)/6) + 6666 \\
&:= 7 + (((77+7)/7+7) \times ((7 \times 7 \times 7 + 7/7) + 7)) \\
&:= 8 + (8 \times 8 \times (88+8+8) + ((88+8)/8)) \\
&:= 9 + (((9 \times 9 \times 9 \times 9 - ((9+9)/9)) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6677 &:= 11 + ((1+1) \times ((1+1+1) \times 1111)) \\
&:= 22/2 + ((2/2+2) \times 2222) \\
&:= 33/3 + ((3+3) \times 3333/3) \\
&:= 4 + (((4-4/4)^{4+4}) + (4 \times (44-4 \times 4))) \\
&:= 5 + ((5/5+5) \times (5555+5)/5) \\
&:= 66/6 + 6666 \\
&:= 77/7 + ((7-7/7) \times 7777/7) \\
&:= 8 + ((88+8+8)/8 \times (8 \times 8 \times 8 + 8/8)) \\
&:= 9 + (((9 \times 9 \times 9 \times 9 - 9/9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6678 &:= (1+1) \times ((1+1+1) \times (1+(1+1111))) \\
&:= (2/2+2) \times (2222+2+2) \\
&:= 3 \times (((3 \times 3^{3+3} + 33) + 3) + 3) \\
&:= ((4^4 - 4)/4) \times ((444 - 4)/4 - 4) \\
&:= (5/5+5) \times (5555+5+5)/5 \\
&:= 6 + (6666+6) \\
&:= 7 + ((7 \times ((7 \times ((7+7)/7)^7 + 7)) + 7)) + 7) \\
&:= 88 + (8 \times (888 - 8 \times 8) - ((8+8)/8)) \\
&:= 9 + ((9 \times 9 \times 9 \times 9 + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6683 &:= 11 + ((1+1) \times ((1+1+1) \times (1+1111))) \\
&:= 22/2 + ((2/2+2) \times (2222+2)) \\
&:= ((3+3) \times (3333/3+3)) - 3/3 \\
&:= 4 + (((44/4+4) \times (444+4/4)) + 4) \\
&:= 5 + ((5/5+5) \times (5555+5+5)/5) \\
&:= 6 + (6666 + (66/6)) \\
&:= 7 \times 77 + (((7+7)/7)^7 \times (7 \times 7 - 7/7)) \\
&:= 8 + ((8/8+88) \times (88/8+8 \times 8)) \\
&:= 9 \times 9 \times 9 \times 9 + (999+99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6688 &:= (1+1) \times (11 + ((1+1+1) \times 1111)) \\
&:= 22 + ((2/2+2) \times 2222) \\
&:= 3/3 + (3 \times ((3 \times (3^{3+3} + 3)) + 33)) \\
&:= 44 \times (4 \times (44 - 4) - (4+4)) \\
&:= 55/5 \times (((5^5 - (55+5))/5) - 5) \\
&:= 6666 + ((66+66)/6) \\
&:= (77 - 7/7) \times (77/7 + 77) \\
&:= 88 \times (((88+8)/8) + 8 \times 8) \\
&:= 9 + (((9 \times 9 \times 9 \times 9 + 99) + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6679 &:= 1 + ((1+1) \times ((1+1+1) \times (1+(1+1111)))) \\
&:= 2 + (((2/2+2) \times 2222) + 22/2) \\
&:= 3^3 + (((3-3/3+3) \times (33/3)^3) - 3) \\
&:= 4 + ((44/4+4) \times (444+4/4)) \\
&:= 5 + (55 \times (55+55) + (5^5 - 5)/5) \\
&:= 6 + ((6666+6/6) + 6) \\
&:= 7 + ((7-7/7) \times (7777+7)/7) \\
&:= 88 + (8 \times (888 - 8 \times 8) - 8/8) \\
&:= 9 + (((9 \times 9 \times 9 \times 9 + 99) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6684 &:= (1+11) \times (1 + ((1+1111)/(1+1))) \\
&:= 2 \times (((2+2+2)^2 + 22)^2) - 22) \\
&:= (3+3) \times (3333/3+3) \\
&:= (44 \times (4 \times (44-4) - (4+4))) - 4 \\
&:= ((55+5)/5) \times (555 + (5+5)/5) \\
&:= 6 + ((6666+6) + 6) \\
&:= (7-7/7) \times (((7777+7+7) + 7)/7) \\
&:= 8 \times (888+8) - 88 \times 88/(8+8) \\
&:= 9 \times 9 \times 9 \times 9 + ((999+99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6689 &:= 1 + ((1+1) \times (11 + ((1+1+1) \times 1111))) \\
&:= 22 + (((2/2+2) \times 2222) + 2/2) \\
&:= 3 + ((3 \times 3 \times 3^{3+3}) + (3-3/3+3)^3) \\
&:= 4 \times 4 \times (4+4) + ((4-4/4)^{4+4}) \\
&:= 5 + (((55+5)/5) \times (555 + (5+5)/5)) \\
&:= 6 + ((6666 + (66/6)) + 6) \\
&:= 7/7 + ((77-7/7) \times (77/7 + 77)) \\
&:= 8 \times (8+8) + (88/8 - 8)^8 \\
&:= 9 + (((9 \times 9 \times 9 \times 9 + 99/9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6680 &:= 11 + ((1+1+1) \times (1 + ((1+1) \times 1111))) \\
&:= 2 + ((2/2+2) \times (2222+2+2)) \\
&:= (33/3+3 \times 3) \times (333+3/3) \\
&:= 4 + ((444 \times (44/4+4)) + 4 \times 4) \\
&:= 5 \times (((55/5)^{5-(5+5)/5} + 5) \\
&:= 6 + ((6666 + ((6+6)/6)) + 6) \\
&:= 7 + (((7-7/7) \times 7777/7) + 7) \\
&:= 88 + 8 \times (888 - 8 \times 8) \\
&:= 9 + ((9 \times 9 \times 9 \times 9 + 99/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6685 &:= 1 + ((1+11) \times (1 + ((1+1111)/(1+1)))) \\
&:= 22 + ((2/2+2) \times (2222-2/2)) \\
&:= 3/3 + ((3+3) \times (3333/3+3)) \\
&:= 4 \times 4 \times (4+4) + (((4-4/4)^{4+4}) - 4) \\
&:= 5 \times 5 + (555 \times ((55+5)/5)) \\
&:= 6 + (((6666+6/6) + 6) + 6) \\
&:= ((7+7) \times (7 \times (77-7) - 7)) - 77 \\
&:= 8 + (((88+8+8)/8) \times (8 \times 8 \times 8 + 8/8)) + 8) \\
&:= 9 + (((9 \times 9 \times 9 \times 9 - ((9+9)/9)) + 99) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6690 &:= (1+1) \times (1 + (11 + ((1+1+1) \times 1111))) \\
&:= 2 + (((2/2+2) \times 2222) + 22) \\
&:= 3 + (3 \times ((3 \times (3^{3+3} + 3)) + 33)) \\
&:= ((4+4)/4+4) \times (4444/4+4) \\
&:= (5+5) \times (((5^5 - 55)/5) + 55) \\
&:= 6 + (((6666+6) + 6) + 6) \\
&:= (7-7/7) \times (((7777+77)/7) - 7) \\
&:= 8/8 + ((88/8 - 8)^8 + 8 \times (8+8)) \\
&:= 9 + ((9 \times 9 \times 9 \times 9 + 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6681 &:= (1+1+1) \times (1 + ((1+1) \times (1 + (1+1111)))) \\
&:= (2/2+2) \times (((2222+2/2) + 2) + 2) \\
&:= ((3+3) \times (3333/3+3)) - 3 \\
&:= 4 \times 4 \times (4+4) + (((4-4/4)^{4+4}) - (4+4)) \\
&:= 5 + ((55 \times (5-5 \times 5)) + (5/5+5)^5) \\
&:= 6 + ((6666 + (6 \times 6/(6+6))) + 6) \\
&:= ((77-7/7) \times (77/7+77)) - 7 \\
&:= 8 \times (8+8) + ((88/8-8)^8 - 8) \\
&:= 9 + (9 \times 9 \times 9 \times 9 + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6686 &:= (1+1) \times (11 + (((1+1+1) \times 1111) - 1)) \\
&:= 22 + (((2/2+2) \times 2222) - 2) \\
&:= (3 \times 3 \times 3^{3+3}) + (3-3/3+3)^3 \\
&:= 4 + ((4/4+4^4) \times ((44/((4+4)/4)) + 4)) \\
&:= 5 \times 5 \times 5 + ((5-5/5+5)^{5-5/5}) \\
&:= 6 + (((6666 + ((6+6)/6)) + 6) + 6) \\
&:= 7 + (((7-7/7) \times (7777+7)/7) + 7) \\
&:= (88 \times (((88+8)/8) + 8 \times 8)) - (8+8)/8 \\
&:= 9 + (((9 \times 9 \times 9 \times 9 - 9/9) + 99) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6691 &:= 1 + ((1+1) \times (1 + (11 + ((1+1+1) \times 1111)))) \\
&:= 22 + ((2/2+2) \times (2222+2/2)) \\
&:= ((3 \times 3^3 + 3/3)^{3-3/3}) - 33 \\
&:= 4 + ((44 \times (4 \times (44-4) - (4+4))) - 4/4) \\
&:= 5 \times 5 + ((5/5+5) \times 5555/5) \\
&:= 6 \times 6 + (6666 - (66/6)) \\
&:= 77 + ((7 \times (7 \times ((7+7)/7)^7 + 7)) - 7/7) \\
&:= ((8/8-88) \times (88/8-88)) - 8 \\
&:= 9 + (((999+9)/9) + 9 \times 9 \times 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6682 &:= (1+1) \times (11 + ((1+1+1) \times (1111-1))) \\
&:= 22 + ((2/2+2) \times (2222-2)) \\
&:= 3^3 + ((3-3/3+3) \times (33/3)^3) \\
&:= (4/4+4^4) \times ((44/((4+4)/4)) + 4) \\
&:= 5 + (((5/5+5) \times (5555+5)/5) + 5) \\
&:= 6 + (((66-6)/6) + 6666) \\
&:= 7 + ((7 \times ((7 \times ((7+7)/7)^7 + 7)) + 7)) + (77/7) \\
&:= 8 + (((8-(8+8)/8) \times 8888/8) + 8) \\
&:= 9 + (((999+9)/9) + 9 \times 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6687 &:= ((1+1) \times (11 + ((1+1+1) \times 1111))) - 1 \\
&:= 22 + (((2/2+2) \times 2222) - 2/2) \\
&:= 3 \times ((3 \times (3^{3+3} + 3)) + 33) \\
&:= (44 \times (4 \times (44-4) - (4+4))) - 4/4 \\
&:= 5 \times 5 \times (5 \times 55+5) - (5^5+5)/(5+5) \\
&:= 6666 + ((6 \times 6+6)/(6+6)/6) \\
&:= 7 + (((7-7/7) \times 7777/7) + 7) + 7) \\
&:= (88 \times (((88+8)/8) + 8 \times 8)) - 8/8 \\
&:= 9 + (((9 \times 9 \times 9 \times 9 + 99) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6692 &:= (1+1) \times (1 + (1 + (11 + ((1+1+1) \times 1111)))) \\
&:= (2^{2+2} - 2) \times (22^2 - (2+2+2)) \\
&:= (3^3 + 3/3) \times (((3^{3+3} - 3)/3) - 3) \\
&:= 4 + (44 \times (4 \times (44-4) - (4+4))) \\
&:= ((5+5)/5)^5 + (555 \times ((55+5)/5)) \\
&:= 6 \times 6 + (((6-66)/6) + 6666) \\
&:= 77 + (7 \times (7 \times (((7+7)/7)^7 + 7))) \\
&:= (8-8/8) \times ((88 \times 88 - (88+8))/8) \\
&:= 9 + ((999+99)/9 + 9 \times 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6693 &:= (1+1+1) \times (11 + ((1+1) \times (1111-1))) \\
&:= (2/2+2) \times ((2222-2) + 22/2) \\
&:= 3^3 + ((3+3) \times 3333/3) \\
&:= 4 + (((4-4/4)^{4+4}) + 4 \times 4 \times (4+4)) \\
&:= 5 + (55/5 \times ((5^5 - (55+5))/5) - 5) \\
&:= 6666 + ((66 \times 6/(6+6)) - 6) \\
&:= (77 - (7/7+7)) \times (7 \times (7+7) - 7/7) \\
&:= ((8/8+88) + 8) \times (88 - (88/8+8)) \\
&:= 9 \times 9 \times 9 \times 9 + ((99/9) \times (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6694 &:= (1+1) \times (11 + ((1+1+1) \times (1+1111))) \\
&:= 22 + ((2/2+2) \times (2222+2)) \\
&:= 3 + (((3 \times 3^3 + 3/3)^{3-3/3}) - 33) \\
&:= 4 + (((4+4)/4+4) \times (4444/4+4)) \\
&:= (5 \times 5 \times (5 \times 55 - 5)) - (55+5/5) \\
&:= 6 + (((66+66)/6) + 6666) \\
&:= 777 + (77 \times 77 - (77+7)/7) \\
&:= ((8/8+8 \times 8) \times (888/8-8)) - 8/8 \\
&:= (9 \times ((9 \times 9 \times 9+9) + 9)) - (99/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6695 &:= 1 + ((1+1) \times (11 + ((1+1+1) \times (1+1111)))) \\
&:= 2 + ((2/2+2)^{2 \times (2+2)} + 22 \times (2+2+2)) \\
&:= ((3+3) \times (33 \times 33 + 3^3)) - 3/3 \\
&:= (4^4 + 4)/4 \times (444/4 - (4+4)) \\
&:= (5 \times 5 \times (5 \times 55 - 5)) - 55 \\
&:= 6 \times 6 + (6666 - (6/6+6)) \\
&:= 7 + ((77 - 7/7) \times (77/7 + 77)) \\
&:= (8/8 + 8 \times 8) \times (888/8 - 8) \\
&:= (9 \times ((9 \times 9 \times 9+9) + 9)) - ((9/9+9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6696 &:= (1+1+1) \times (11 + (((1+1) \times 1111) - 1)) \\
&:= 2 + (((2/2+2) \times (2222+2)) + 22) \\
&:= (3+3) \times (33 \times 33 + 3^3) \\
&:= (4^4 - 4 - 4) \times (44/4 + 4 \times 4) \\
&:= (5/5+5) \times (5555/5+5) \\
&:= 6 \times (6 \times (6 \times (6 \times 6 - 6) + 6)) \\
&:= 777 + (((7-77)/7) + 77 \times 77) \\
&:= 8 + (88 \times (((88+8)/8) + 8 \times 8)) \\
&:= (9-9/9) \times (9 \times 9 \times 9 + 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6697 &:= 1 + ((1+1+1) \times (11 + (((1+1) \times 1111) - 1))) \\
&:= ((2/2+2) \times (2222+22/2)) - 2 \\
&:= 3/3 + ((3+3) \times (33 \times 33 + 3^3)) \\
&:= 4 + (((4-4/4)^{4+4}) + 4 \times 4 \times (4+4) + 4) \\
&:= (5/5+5)^5 - ((5-5/5)^5 + 55) \\
&:= 6 \times 6 + ((6666-6) + 6/6) \\
&:= 777 + (77 \times 77 - ((7+7)/7 + 7)) \\
&:= 8 + ((88/8-8)^8 + 8 \times (8+8)) \\
&:= 9 \times (9 \times (9 \times 9+9) - 9) - ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6698 &:= (11 \times ((11 \times 111 - 1)/(1+1) - 1)) - 1 \\
&:= (2 \times 2^{2+2}) + ((2/2+2) \times 2222) \\
&:= (3/3+33) \times (33 \times (3+3) - 3/3) \\
&:= (44/4 \times ((4/4+4)^4 - 4 \times 4)) - 4/4 \\
&:= 5^5 + (55 \times (55+5+5) - ((5+5)/5)) \\
&:= 6 \times 6 + ((6666-6) + ((6+6)/6)) \\
&:= 777 + (77 \times 77 - (7/7+7)) \\
&:= 8 + (((88/8-8)^8 + 8 \times (8+8)) + 8/8) \\
&:= 9 \times (9 \times 9 \times 9 + 9) + ((999+9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6699 &:= 11 \times ((11 \times 111 - 1)/(1+1) - 1) \\
&:= (2/2+2) \times (2222+22/2) \\
&:= 3 + ((3+3) \times (33 \times 33 + 3^3)) \\
&:= 44/4 \times ((4/4+4)^4 - 4 \times 4) \\
&:= 55/5 \times (((5^5 - 55)/5) - 5) \\
&:= 6666 + (66 \times 6/(6+6)) \\
&:= 77 \times (((77-7)/7) + 77) \\
&:= (8/8 - 88) \times (88/8 - 88) \\
&:= 9 + (((9 \times 9 \times 9 + 999)/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6700 &:= 1 + (11 \times ((11 \times 111 - 1)/(1+1) - 1)) \\
&:= (((2 \times 2 \times (22-2)) + 2)^2) - 22 - 2 \\
&:= (3-3/3+3) \times ((33/3)^3 + 3 \times 3) \\
&:= (4 \times (44 \times 44 - (4^4+4))) - 4 \\
&:= 5 \times (5 \times (5 \times 55 - 5) - (5+5)) \\
&:= 6 \times 6 + (6666 - ((6+6)/6)) \\
&:= 7/7 + ((77 \times 77 - 7) + 777) \\
&:= 8/8 + ((8/8-88) \times (88/8-88)) \\
&:= (99/9+9) \times ((9+9) \times (9+9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6701 &:= 1 + (1 + (11 \times ((11 \times 111 - 1)/(1+1) - 1))) \\
&:= 2 + ((2/2+2) \times (2222+22/2)) \\
&:= 3 + ((3/3+33) \times (33 \times (3+3) - 3/3)) \\
&:= 4/4 + ((4 \times (44 \times 44 - (4^4+4))) - 4) \\
&:= 5 + ((5/5+5) \times (5555/5+5)) \\
&:= 6 \times 6 + (6666 - 6/6) \\
&:= ((7-7/7) \times (7777/7+7)) - 7 \\
&:= 8888 - ((88/8-8)^{8-8/8}) \\
&:= (9 \times ((9 \times 9 \times 9+9) + 9)) - ((99+99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6702 &:= (1+1+1) \times (1 + (11 + ((1+1) \times 1111))) \\
&:= (((2 \times 2 \times (22-2)) + 2)^2) - 22 \\
&:= (3+3) \times ((3333/3+3) + 3) \\
&:= (4 \times (44 \times 44 - (4^4+4))) - (4+4)/4 \\
&:= (5/5+5) \times ((5555+5)/5+5) \\
&:= 6 \times 6 + 6666 \\
&:= (7-7/7) \times ((7777-7)/7+7) \\
&:= (888-8)/8 + 8 \times (888-8 \times 8) \\
&:= (9 \times ((9 \times 9 \times 9+9) + 9)) - ((99+9)/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6703 &:= 1 + ((1+1+1) \times (1 + (11 + ((1+1) \times 1111)))) \\
&:= 2/2 + (((2 \times 2 \times (22-2)) + 2)^2) - 22 \\
&:= 3 + ((3-3/3+3) \times ((33/3)^3 + 3 \times 3)) \\
&:= 4 + (44/4 \times ((4/4+4)^4 - 4 \times 4)) \\
&:= 55 + (((55+5)/5) \times (555-5/5)) \\
&:= 6 \times 6 + (6666+6/6) \\
&:= 777 + (77 \times 77 - ((7+7+7)/7)) \\
&:= 8 + ((8/8+8 \times 8) \times (888/8-8)) \\
&:= (9 \times ((9 \times 9 \times 9+9) + 9)) - (99/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6704 &:= ((11 \times (11 \times 111 - (1+1))) - 1)/(1+1) \\
&:= 2 + (((2 \times 2 \times (22-2)) + 2)^2) - 22 \\
&:= ((33/3+3 \times 3)^3) - ((3+3)^{3/3+3}) \\
&:= 4 \times (44 \times 44 - (4^4+4)) \\
&:= 5 + (55/5 \times (((5^5 - 55)/5) - 5)) \\
&:= 6 \times 6 + (6666 + ((6+6)/6)) \\
&:= 777 + (77 \times 77 - ((7+7)/7)) \\
&:= (8 \times (8 \times (88+8+8) + 8)) - 8 - 8 \\
&:= (9 \times ((9 \times 9 \times 9+9) + 9)) - (9/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6705 &:= (1+1+1) \times (11 + ((1+1) \times (1+1111))) \\
&:= (2/2+2) \times ((2222+22/2) + 2) \\
&:= 3 \times ((3 \times (3^{3+3} + 3^3)) - 33) \\
&:= 4/4 + (4 \times (44 \times 44 - (4^4+4))) \\
&:= 5 + (55 \times (55+5+5) + 5^5) \\
&:= 6 + ((66 \times 6/(6+6)) + 6666) \\
&:= 777 + (77 \times 77 - 7/7) \\
&:= 8 + (((88/8-8)^8 + 8 \times (8+8)) + 8) \\
&:= (9 \times ((9 \times 9 \times 9+9) + 9)) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6706 &:= 1 + ((1+1+1) \times (11 + ((1+1) \times (1+1111)))) \\
&:= (2 \times (((2+2+2)^2 + 22)^2)) - 22 \\
&:= 3/3 + (3 \times ((3 \times (3^{3+3} + 3^3)) - 33)) \\
&:= 4^4 + (((4-4/4)^{4+4}) - 444/4) \\
&:= 5 + (((5/5+5) \times (5555/5+5)) + 5) \\
&:= 6 + ((6666 - ((6+6)/6)) + 6 \times 6) \\
&:= 777 + 77 \times 77 \\
&:= (8-8/8) \times ((8 \times (8 \times (8+8) - 8)) - ((8+8)/8)) \\
&:= ((9/9+9 \times 9)^{(9+9)/9}) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6707 &:= (11 \times (11 \times 111 - 1)/(1+1)) - 1 - 1 - 1 \\
&:= ((22+2+2) \times (2^{2 \times (2+2)} + 2)) - 2/2 \\
&:= 33/3 + ((3+3) \times (33 \times 33 + 3^3)) \\
&:= 4 + ((44/4 \times ((4/4+4)^4 - 4 \times 4)) + 4) \\
&:= 5 + ((5/5+5) \times ((5555+5)/5+5)) \\
&:= 6 + ((6666-6/6) + 6 \times 6) \\
&:= 7/7 + (77 \times 77 + 777) \\
&:= 8 + ((8/8-88) \times (88/8-88)) \\
&:= 9/9 + (((9/9+9 \times 9)^{(9+9)/9}) - (9+9))
\end{aligned}$$

- ▶ 6708 := $(11 \times (11 \times 111 - 1) / (1 + 1)) - 1 - 1$
:= $(22 + 2 + 2) \times (2^{2 \times (2+2)} + 2)$
:= $3333 + (3 \times 3 + 3 + 3)^3$
:= $4 + (4 \times (44 \times 44 - (4^4 + 4)))$
:= $((55 + 5) / 5) \times (555 - 5 / 5 + 5)$
:= $6 + (6666 + 6 \times 6)$
:= $(7 - 7 / 7) \times (7777 / 7 + 7)$
:= $(8 - (8 + 8) / 8) \times ((8888 - 8) / 8 + 8)$
:= $9 + (((9 \times 9 \times 9 + 9 + 999 / 9) + 9) + 9) + 9$
- ▶ 6709 := $(11 \times (11 \times 111 - 1) / (1 + 1)) - 1$
:= $2 / 2 + ((22 + 2 + 2) \times (2^{2 \times (2+2)} + 2))$
:= $3 / 3 + ((3 \times 3 + 3 + 3)^3 + 3333)$
:= $(4 \times (44 \times 44 - 4^4)) - 44 / 4$
:= $(55 \times ((555 + 55) / 5)) - 5 / 5$
:= $6 + ((6666 + 6 \times 6) + 6 / 6)$
:= $7 + ((7 - 7 / 7) \times ((7777 - 7) / 7 + 7))$
:= $(8 \times (8 \times (88 + 8 + 8) + 8)) - 88 / 8$
:= $9 + ((99 / 9 + 9) \times ((9 + 9) \times (9 + 9) + (99 / 9)))$
- ▶ 6710 := $11 \times (11 \times 111 - 1) / (1 + 1)$
:= $2 + ((22 + 2 + 2) \times (2^{2 \times (2+2)} + 2))$
:= $((3 / 3 + 3)^3 - 3) \times ((333 - 3) / 3)$
:= $((4^4 + 4) / 4 - 4) \times (444 - 4) / 4$
:= $55 \times ((555 + 55) / 5)$
:= $6 + ((6666 + ((6 + 6) / 6)) + 6 \times 6)$
:= $77 / 7 + ((77 \times 77 - 7) + 777)$
:= $(8 - 88) / 8 + (8 \times (8 \times (88 + 8 + 8) + 8))$
:= $99 / 9 \times (((9 + 9) / 9)^9 - 9 / 9) + 99$
- ▶ 6711 := $1 + (11 \times (11 \times 111 - 1) / (1 + 1))$
:= $((2 \times 2 \times (22 - 2) + 2)^2) - (22 / 2 + 2)$
:= $3 + ((3 \times 3 + 3 + 3)^3 + 3333)$
:= $(4 \times (44 \times 44 - 4^4)) - (4 / 4 + 4 + 4)$
:= $5 / 5 + (55 \times ((555 + 55) / 5))$
:= $666 / 6 + (6666 - 66)$
:= $7 + ((77 \times 77 - ((7 + 7) / 7)) + 777)$
:= $(8 \times (8 \times (88 + 8 + 8) + 8)) - (8 / 8 + 8)$
:= $(9 \times ((9 \times 9 \times 9 + 9) + 9)) - (99 + 9) / 9$
- ▶ 6712 := $1 + (1 + (11 \times (11 \times 111 - 1) / (1 + 1)))$
:= $2 + (((22 + 2 + 2) \times (2^{2 \times (2+2)} + 2)) + 2)$
:= $(3^3 \times ((3 + 3)^3 + 33)) - 33 / 3$
:= $(4 \times (44 \times 44 - 4^4)) - 4 - 4$
:= $(5 + 5) / 5 + (55 \times ((555 + 55) / 5))$
:= $6 \times 6 + (((66 - 6) / 6) + 6666)$
:= $7 + ((77 \times 77 - 7 / 7) + 777)$
:= $(8 \times (8 \times (88 + 8 + 8) + 8)) - 8$
:= $(9 \times ((9 \times 9 \times 9 + 9) + 9)) - 99 / 9$
- ▶ 6713 := $((1 + (11 - 1 - 1)^{1+1})^{1+1}) - 11$
:= $((2 \times 2 \times (22 - 2) + 2)^2) - 22 / 2$
:= $3 + (((3 / 3 + 3)^3) - 3) \times ((333 - 3) / 3)$
:= $4 + ((4 \times (44 \times 44 - 4^4)) - 44 / 4)$
:= $5 + (((55 + 5) / 5) \times (555 - 5 / 5 + 5))$
:= $6 \times 6 + (6666 + (66 / 6))$
:= $7 + (77 \times 77 + 777)$
:= $8 \times 8 + ((88 / 8 - 8)^8 + 88)$
:= $(9 \times ((9 \times 9 \times 9 + 9) + 9)) - 9 / 9 - 9$
- ▶ 6714 := $((11 \times 11 \times 111 - 1) / (1 + 1)) - 1$
:= $(2 / 2 + 2) \times (2222 + 2^{2+2})$
:= $3 \times ((3 \times ((3^3+3) + 3)) + 33)$
:= $4 + (((4^4 + 4) / 4 - 4) \times (444 - 4) / 4)$
:= $(5 \times (5 \times (5 \times 55 - 5) - 5)) - 55 / 5$
:= $6 + ((6666 + 6 \times 6) + 6)$
:= $7 + ((77 \times 77 + 777) + 7 / 7)$
:= $(8 - (8 + 8) / 8) \times (8888 / 8 + 8)$
:= $(9 \times ((9 \times 9 \times 9 + 9) + 9)) - 9$
- ▶ 6715 := $((11 \times 11 \times 111 - 1) / (1 + 1))$
:= $2 + (((2 \times 2 \times (22 - 2) + 2)^2) - 22 / 2)$
:= $((3 \times 3^3 + 3 / 3)^{3-3/3}) - 3 \times 3$
:= $(4 \times (44 \times 44 - 4^4)) - 4 / 4 - 4$
:= $5 + (55 \times ((555 + 55) / 5))$
:= $(66 / 6 + 6) \times (6 \times 66 - 6 / 6)$
:= $7 + ((7 - 7 / 7) \times (7777 / 7 + 7))$
:= $8 + (((8 / 8 - 88) \times (88 / 8 - 88)) + 8)$
:= $((9 / 9 + 9 \times 9)^{(9+9)/9}) - 9$
- ▶ 6716 := $(1 + (11 \times 11 \times 111)) / (1 + 1)$
:= $2 \times (2 \times (((2 \times (22 - 2) + 2 / 2)^2) - 2))$
:= $((3 + 3)^3 + 3) / 3 \times (3 \times 3^3 + 33 / 3)$
:= $(4 \times (44 \times 44 - 4^4)) - 4$
:= $5 + (55 \times ((555 + 55) / 5)) + 5 / 5$
:= $6 + (((6666 + ((6 + 6) / 6)) + 6 \times 6) + 6)$
:= $777 + (77 \times 77 + ((77 - 7) / 7))$
:= $(((((8 + 8) / 8) - 8) + 88)^{(8+8)/8}) - 8$
:= $9 / 9 + (((9 / 9 + 9 \times 9)^{(9+9)/9}) - 9)$
- ▶ 6717 := $1 + ((1 + (11 \times 11 \times 111)) / (1 + 1))$
:= $(2 \times (((2 + 2 + 2)^2 + 22)^2)) - 22 / 2$
:= $(3^3 \times ((3 + 3)^3 + 33)) - 3 - 3$
:= $4 / 4 + ((4 \times (44 \times 44 - 4^4)) - 4)$
:= $5 + (55 \times ((555 + 55) / 5)) + ((5 + 5) / 5)$
:= $6 + ((6666 - 66) + 666 / 6)$
:= $77 / 7 + (77 \times 77 + 777)$
:= $8 + ((8 \times (8 \times (88 + 8 + 8) + 8)) - (88 / 8))$
:= $(9 + 9) / 9 + (((9 / 9 + 9 \times 9)^{(9+9)/9}) - 9)$
- ▶ 6718 := $1 + (1 + ((1 + (11 \times 11 \times 111)) / (1 + 1)))$
:= $((2 \times 2 \times (22 - 2) + 2)^2) - 2 - 2 - 2$
:= $((3 \times 3^3 + 3 / 3)^{3-3/3}) - 3 - 3$
:= $(4 \times (44 \times 44 - 4^4)) - (4 + 4) / 4$
:= $(5 \times 5 \times (5 \times 55 - 5)) - ((5 + 5) / 5)^5$
:= $((6 + 6) / 6)^6 + (6666 - (6 + 6))$
:= $777 + (77 \times 77 + (77 + 7) / 7)$
:= $(8 \times (8 \times (88 + 8 + 8) + 8)) - (8 + 8) / 8$
:= $((9 - 99) / (9 + 9)) + (9 \times ((9 \times 9 \times 9 + 9) + 9))$
- ▶ 6719 := $(11 \times (1 + 11 \times 111) / (1 + 1)) - 1 - 1$
:= $(2 \times 2 \times 22)^2 - ((2^{22/2} + 2) / 2)$
:= $(3^3 \times ((3 + 3)^3 + 33)) - (3 / 3 + 3)$
:= $(4 \times (44 \times 44 - 4^4)) - 4 / 4$
:= $(5 \times (5 \times (5 \times 55 - 5) - 5)) - (5 / 5 + 5)$
:= $6 + ((6666 + (66 / 6)) + 6 \times 6)$
:= $7 + (((77 \times 77 - 7 / 7) + 777) + 7)$
:= $(8 \times (8 \times (88 + 8 + 8) + 8)) - 8 / 8$
:= $((9 - 9 \times 9) / (9 + 9)) + (9 \times ((9 \times 9 \times 9 + 9) + 9))$
- ▶ 6720 := $(1 + 111) \times (11^{1+1} - 1) / (1 + 1)$
:= $(2^{2+2} - 2) \times (22^2 - (2 + 2))$
:= $(3^3 \times ((3 + 3)^3 + 33)) - 3$
:= $4 \times (44 \times 44 - 4^4)$
:= $(55 + 5) \times (555 + 5) / 5$
:= $66 + (6666 - (6 + 6))$
:= $7 + ((77 \times 77 + 777) + 7)$
:= $8 \times (8 \times (88 + 8 + 8) + 8)$
:= $(9 - 9 / 9) \times (999 / 9 + 9 \times 9 \times 9)$
- ▶ 6721 := $11 \times (1 + 11 \times 111) / (1 + 1)$
:= $((2 \times 2 \times (22 - 2) + 2)^2) - 2 / 2 - 2$
:= $((3 \times 3^3 + 3 / 3)^{3-3/3}) - 3$
:= $4 / 4 + (4 \times (44 \times 44 - 4^4))$
:= $55 + ((5 / 5 + 5) \times 5555 / 5)$
:= $66 + (6666 - (66 / 6))$
:= $7 + (((77 \times 77 + 777) + 7 / 7) + 7)$
:= $8 / 8 + (8 \times (8 \times (88 + 8 + 8) + 8))$
:= $99 / 9 \times (((9 + 9) / 9)^9) + 99$
- ▶ 6722 := $1 + (11 \times (1 + 11 \times 111) / (1 + 1))$
:= $((2 \times 2 \times (22 - 2) + 2)^2) - 2$
:= $(3^3 \times ((3 + 3)^3 + 33)) - 3 / 3$
:= $(4 + 4) / 4 + (4 \times (44 \times 44 - 4^4))$
:= $(5 + 5) / 5 + ((55 + 5) \times (555 + 5) / 5)$
:= $66 + (((6 - 66) / 6) + 6666)$
:= $7 + (((7 - 7 / 7) \times (7777 / 7 + 7)) + 7)$
:= $(8 + 8) / 8 + (8 \times (8 \times (88 + 8 + 8) + 8))$
:= $(9 \times ((9 \times 9 \times 9 + 9) + 9)) - 9 / 9$

$$\begin{aligned}
\blacktriangleright 6723 &:= ((1 + (11 - 1 - 1)^{1+1})^{1+1}) - 1 \\
&:= (((2 \times 2 \times (22 - 2)) + 2)^2) - 2/2 \\
&:= 3^3 \times ((3 + 3)^3 + 33) \\
&:= 4 + ((4 \times (44 \times 44 - 4^4)) - 4/4) \\
&:= (5 \times (5 \times (5 \times 55 - 5) - 5)) - (5 + 5)/5 \\
&:= 66 + (((6 - 66) + 6)/6) + 6666 \\
&:= (77 - 7/7 + 7) \times ((77/7 - 7) + 77) \\
&:= 88/8 + ((8 \times (8 \times (88 + 8 + 8) + 8)) - 8) \\
&:= 9 \times ((9 \times 9 \times 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6724 &:= (1 + (11 - 1 - 1)^{1+1})^{1+1} \\
&:= ((2 \times 2 \times (22 - 2)) + 2)^2 \\
&:= (3 \times 3^3 + 3/3)^{3-3/3} \\
&:= 4 + (4 \times (44 \times 44 - 4^4)) \\
&:= (5 \times (5 \times (5 \times 55 - 5) - 5)) - 5/5 \\
&:= ((6 + 6)/6)^6 + (6666 - 6) \\
&:= ((77 - (7 + 7)/7) + 7)^{(7+7)/7} \\
&:= (((8 + 8)/8) - 8) + 88)^{(8+8)/8} \\
&:= (9/9 + 9 \times 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6725 &:= 1 + ((1 + (11 - 1 - 1)^{1+1})^{1+1}) \\
&:= 2/2 + (((2 \times 2 \times (22 - 2)) + 2)^2) \\
&:= 3 + ((3^3 \times ((3 + 3)^3 + 33)) - 3/3) \\
&:= 4 + ((4 \times (44 \times 44 - 4^4)) + 4/4) \\
&:= 5 \times (5 \times (5 \times 55 - 5) - 5) \\
&:= 66 + (6666 - (6/6 + 6)) \\
&:= 7/7 + (((77 - (7 + 7)/7) + 7)^{(7+7)/7}) \\
&:= 8/8 + (((8 + 8)/8) - 8) + 88)^{(8+8)/8} \\
&:= 9/9 + ((9/9 + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6726 &:= 1 + (1 + ((1 + (11 - 1 - 1)^{1+1})^{1+1})) \\
&:= 2 + (((2 \times 2 \times (22 - 2)) + 2)^2) \\
&:= 3 + (3^3 \times ((3 + 3)^3 + 33)) \\
&:= 4 + ((4 \times (44 \times 44 - 4^4)) + (4 + 4)/4) \\
&:= 5/5 + (5 \times (5 \times (5 \times 55 - 5) - 5)) \\
&:= 66 + (6666 - 6) \\
&:= ((7/7 + 7 \times 7) + 7) \times (777/7 + 7) \\
&:= 8 + ((8 \times (8 \times (88 + 8 + 8) + 8)) - ((8 + 8)/8)) \\
&:= (9 + 9)/9 + ((9/9 + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6727 &:= 1 + (1 + (1 + ((1 + (11 - 1 - 1)^{1+1})^{1+1}))) \\
&:= 2 + (((2 \times 2 \times (22 - 2)) + 2)^2) + 2/2 \\
&:= 3 + ((3 \times 3^3 + 3/3)^{3-3/3}) \\
&:= 4 + (((4 \times (44 \times 44 - 4^4)) - 4/4) + 4) \\
&:= (5 + 5)/5 + (5 \times (5 \times (5 \times 55 - 5) - 5)) \\
&:= 66 + ((6666 - 6) + 6/6) \\
&:= (77 \times (77/7 + 77)) - 7 \times 7 \\
&:= 8 + ((8 \times (8 \times (88 + 8 + 8) + 8)) - 8/8) \\
&:= ((9 + 9 + 9)/9) + ((9/9 + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6728 &:= (1 + 1) \times ((1 + 1 + (1 + 111)/(1 + 1))^{1+1}) \\
&:= 2 \times (((2 + 2 + 2)^2 + 22)^2) \\
&:= 3 + (((3^3 \times ((3 + 3)^3 + 33)) - 3/3) + 3) \\
&:= 4 + ((4 \times (44 \times 44 - 4^4)) + 4) \\
&:= 5 + ((5 \times (5 \times (5 \times 55 - 5) - 5)) - ((5 + 5)/5)) \\
&:= 66 + ((6666 - 6) + ((6 + 6)/6)) \\
&:= (7/7 + 7) \times (((77 \times 77 + 7)/7) - 7) \\
&:= 8 + (8 \times (8 \times (88 + 8 + 8) + 8)) \\
&:= (9 - 9/9) \times (((999 + 9)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6729 &:= (1 + 1 + 1) \times (((1 + 1) \times (11 + 1111)) - 1) \\
&:= 2/2 + (2 \times (((2 + 2 + 2)^2 + 22)^2)) \\
&:= 3 + ((3^3 \times ((3 + 3)^3 + 33)) + 3) \\
&:= 4 \times 44 + (((4 - 4/4)^{4+4}) - (4 + 4)) \\
&:= 5 + ((5 \times (5 \times (5 \times 55 - 5) - 5)) - 5/5) \\
&:= 66 + (6666 - (6 \times 6/(6 + 6))) \\
&:= 7 + (((7 - 7/7) \times (7777/7 + 7)) + 7) + 7) \\
&:= 8 + ((8 \times (8 \times (88 + 8 + 8) + 8)) + 8/8) \\
&:= 9 + ((9 - 9/9) \times (999/9 + 9 \times 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6730 &:= (1 + 1) \times (((1 + 1 + 1) \times (11 + 1111)) - 1) \\
&:= 2 + (2 \times (((2 + 2 + 2)^2 + 22)^2)) \\
&:= 3 + (((3 \times 3^3 + 3/3)^{3-3/3}) + 3) \\
&:= (44 - 4)/4 + (4 \times (44 \times 44 - 4^4)) \\
&:= 5 + (5 \times (5 \times (5 \times 55 - 5) - 5)) \\
&:= ((6 + 6)/6)^6 + 6666 \\
&:= 7 + ((77 - 7/7 + 7) \times ((77/7 - 7) + 77)) \\
&:= 8 + ((8 \times (8 \times (88 + 8 + 8) + 8)) + ((8 + 8)/8)) \\
&:= 9 + ((99/9) \times (((9 + 9)/9)^9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6731 &:= ((1 + 1) \times ((1 + 1 + 1) \times (11 + 1111))) - 1 \\
&:= 2 + ((2 \times (((2 + 2 + 2)^2 + 22)^2)) + 2/2) \\
&:= (33 \times ((33 \times (3 + 3) + 3) + 3)) - 3/3 \\
&:= 44/4 + (4 \times (44 \times 44 - 4^4)) \\
&:= 5 + ((5 \times (5 \times (5 \times 55 - 5) - 5)) + 5/5) \\
&:= 66 + (6666 - 6/6) \\
&:= 7 + (((77 - (7 + 7)/7) + 7)^{(7+7)/7}) \\
&:= 88/8 + (8 \times (8 \times (88 + 8 + 8) + 8)) \\
&:= 9 + ((9 \times ((9 \times 9 \times 9 + 9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6732 &:= (1 + 1) \times ((1 + 1 + 1) \times (11 + 1111)) \\
&:= 2 \times (((2 + 2 + 2)^2 + 22)^2) + 2 \\
&:= 33 \times ((33 \times (3 + 3) + 3) + 3) \\
&:= (4 \times ((44 \times 44 - 4^4) + 4)) - 4 \\
&:= (5/5 + 5) \times ((5555 + 55)/5) \\
&:= 66 + 6666 \\
&:= (7 - 7/7) \times ((7777 + 77)/7) \\
&:= 8 + (((8 + 8)/8) - 8) + 88)^{(8+8)/8} \\
&:= 9 + (9 \times ((9 \times 9 \times 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6733 &:= 1 + ((1 + 1) \times ((1 + 1 + 1) \times (11 + 1111))) \\
&:= 2/2 + (2 \times (((2 + 2 + 2)^2 + 22)^2) + 2) \\
&:= 3 \times 3 + ((3 \times 3^3 + 3/3)^{3-3/3}) \\
&:= 4 \times 44 + (((4 - 4/4)^{4+4}) - 4) \\
&:= (5 \times 5 \times (5 \times 55 - 5)) - (((55 + 5)/5) + 5) \\
&:= 66 + (6666 + 6/6) \\
&:= 7 + (((7/7 + 7 \times 7) + 7) \times (777/7 + 7)) \\
&:= 88 + (8 \times 8 \times (88 + 8 + 8) - (88/8)) \\
&:= 9 + ((9/9 + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6734 &:= 11 + (((1 + (11 - 1 - 1)^{1+1})^{1+1}) - 1) \\
&:= 2 + (2 \times (((2 + 2 + 2)^2 + 22)^2) + 2) \\
&:= 33/3 + (3^3 \times ((3 + 3)^3 + 33)) \\
&:= 4/4 + (((4 - 4/4)^{4+4}) - 4) + 4 \times 44) \\
&:= (5 \times 5 \times (5 \times 55 - 5)) - (55/5 + 5) \\
&:= 66 + (6666 + ((6 + 6)/6)) \\
&:= (7 \times ((7 + 7) \times (77 - 7) - 7)) - 77 \\
&:= (8 - 8/8) \times ((8 \times (8 \times (8 + 8) - 8)) + ((8 + 8)/8)) \\
&:= 99/9 + (9 \times ((9 \times 9 \times 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6735 &:= 11 + ((1 + (11 - 1 - 1)^{1+1})^{1+1}) \\
&:= 22/2 + (((2 \times 2 \times (22 - 2)) + 2)^2) \\
&:= 3 + (33 \times ((33 \times (3 + 3) + 3) + 3)) \\
&:= (44/4 + 4) \times ((444 + 4/4) + 4) \\
&:= 5 + ((5 \times (5 \times (5 \times 55 - 5) - 5)) + 5) \\
&:= 66 + (6666 + (6 \times 6/(6 + 6))) \\
&:= 7 + ((7/7 + 7) \times (((77 \times 77 + 7)/7) - 7)) \\
&:= 8 \times 8 \times 88 + (8888/8 - 8) \\
&:= 99/9 + ((9/9 + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6736 &:= 1 + (11 + ((1 + (11 - 1 - 1)^{1+1})^{1+1})) \\
&:= 2 \times (((2 + 2 + 2)^2 + 22)^2) + 2 + 2) \\
&:= 3 + ((33 \times ((33 \times (3 + 3) + 3) + 3)) + 3/3) \\
&:= 4 \times ((44 \times 44 - 4^4) + 4) \\
&:= 55/5 + (5 \times (5 \times (5 \times 55 - 5) - 5)) \\
&:= 6 + (((6 + 6)/6)^6 + 6666) \\
&:= 77 + (((7 - 7/7) \times 7777/7) - 7) \\
&:= 8 + ((8 \times (8 \times (88 + 8 + 8) + 8)) + 8) \\
&:= (99 + 9)/9 + ((9/9 + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6737 &:= 1 + (1 + (11 + ((1 + (11 - 1 - 1)^{1+1})^{1+1}))) \\
&:= 2 + (((2 \times 2 \times (22 - 2)) + 2)^2) + 22/2 \\
&:= (33/3 + 3)^3 + (3 \times (33/3)^3) \\
&:= 4 \times 44 + ((4 - 4/4)^{4+4}) \\
&:= 5 + ((5/5 + 5) \times ((5555 + 55)/5)) \\
&:= 6 + ((6666 - 6/6) + 66) \\
&:= 77 + ((7 - 7/7) \times (7777 - 7)/7) \\
&:= 88 + ((88/8 - 8)^8 + 88) \\
&:= 9 \times 9 + (((9 + 9)/9)^9) \times ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6738 &:= (1+1) \times ((1+1+1) \times (1+(11+1111))) \\
&:= (2/2+2) \times (2222+22+2) \\
&:= 3 + ((33 \times ((33 \times (3+3)+3)+3) + 3) \\
&:= 4/4 + (((4-4/4)^{4+4}) + 4 \times 44) \\
&:= (5 \times 5 \times (5 \times 55 - 5)) - (55+5)/5 \\
&:= 6 + (6666+66) \\
&:= 7 + (((77 - (7+7)/7) + 7)^{(7+7)/7} + 7) \\
&:= 8/8 + (((88/8 - 8)^8 + 88) + 88) \\
&:= 99 + (9 \times (9 \times 9 \times 9 + 9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6739 &:= 1 + ((1+1) \times ((1+1+1) \times (1+(11+1111)))) \\
&:= 22/2 + (2 \times (((2+2+2)^2 + 22)^2)) \\
&:= ((3+3) \times ((3 \times 3 + 3 + 3)^3/3)) - 33/3 \\
&:= 4 + ((44/4 + 4) \times ((444 + 4/4) + 4)) \\
&:= (5 \times 5 \times (5 \times 55 - 5)) - 55/5 \\
&:= 6 + ((6666 + 66) + 6/6) \\
&:= 7 + ((7 - 7/7) \times ((7777 + 77)/7)) \\
&:= 8 + ((8 \times (8 \times (88 + 8 + 8) + 8) + (88/8)) \\
&:= 99 + (9 \times (9 \times 9 \times 9 + 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6740 &:= (1+1) \times (1 + ((1+1+1) \times (1+(11+1111)))) \\
&:= 2^{2+2} + (((2 \times 2 \times (22-2)) + 2)^2) \\
&:= 3 + ((33/3 + 3)^3 + (3 \times (33/3)^3)) \\
&:= 4 + (4 \times ((44 + 44 - 4^4) + 4)) \\
&:= (5 \times 5 \times (5 \times 55 - 5)) - 5 - 5 \\
&:= 6 + ((6666 + ((6+6)/6)) + 66) \\
&:= ((7 - 7/7 + 7) + 7) \times ((7 \times 7 \times 7 - 7) + 7/7) \\
&:= 8 + (((((8+8)/8) - 8) + 88)^{(8+8)/8} + 8) \\
&:= 99 + (9 \times (9 \times 9 \times 9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6741 &:= (1+1+1) \times (1 + ((1+1) \times (1+(11+1111)))) \\
&:= (((2/2+2)^{2+2} + 2) + 2)^2 - 22^2 \\
&:= 3 \times ((3 \times 3^{3+3} + 33) + 3^3) \\
&:= 4 + (((4-4/4)^{4+4}) + 4 \times 44) \\
&:= 5/5 + ((5 \times 5 \times (5 \times 55 - 5)) - (5+5)) \\
&:= 666/6 + (6666 - 6 \times 6) \\
&:= 7 + ((7 \times ((7+7) \times (77-7) - 7)) - 77) \\
&:= (8 \times 8 - 8/8) \times ((88/8 + 88) + 8) \\
&:= 99 + 9 \times (9 \times 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6742 &:= 1111 + ((11 \times (1+1)^{11-1-1}) - 1) \\
&:= 2 + (((2 \times 2 \times (22-2)) + 2)^2) + 2^{2+2} \\
&:= 3/3 + (3 \times ((3 \times 3^{3+3} + 33) + 3^3)) \\
&:= 4 + (((4-4/4)^{4+4}) + 4 \times 44) + 4/4 \\
&:= (5/5 + 5)^5 - (((5-5/5)^5 + 5) + 5) \\
&:= 6 + (((6+6)/6)^6 + 6666) + 6 \\
&:= (7 \times (7+7) \times (77-7)) - (777/7 + 7) \\
&:= 8 \times 8 \times 88 + (8888 - 8)/8 \\
&:= 9 + (((9/9 + 9 \times 9)^{(9+9)/9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6743 &:= 11 \times (1 + (1 + (1 + 11 \times 111)/(1+1))) \\
&:= (2222/2) + (22 \times 2^{2 \times (2+2)}) \\
&:= 33/3 + (33 \times ((33 \times (3+3)+3)+3)) \\
&:= 44/4 \times (((4/4+4)^4 - 4 \times 4) + 4) \\
&:= 55/5 \times ((5^5 - (55+5))/5) \\
&:= 66 + (6666 + (66/6)) \\
&:= 77 + ((7-7/7) \times 7777/7) \\
&:= 8 \times 8 \times 88 + 8888/8 \\
&:= 9 + (9 \times ((9 \times 9 \times 9 + 9) + 9)) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6744 &:= (1+11) \times (1 + ((11+1111)/(1+1))) \\
&:= 22 + (((2 \times 2 \times (22-2)) + 2)^2) - 2 \\
&:= (3+3) \times (((3 \times 3 + 3 + 3)^3 - 3)/3) \\
&:= 4 + ((4 \times ((44 + 44 - 4^4) + 4) + 4) \\
&:= (5 \times 5 \times (5 \times 55 - 5)) - (5/5 + 5) \\
&:= 6 + ((6666 + 66) + 6) \\
&:= (7 - 7/7) \times (((7777 - 7)/7 + 7) + 7) \\
&:= 88 + 8 \times 8 \times (88 + 8 + 8) \\
&:= 999/9 + (9 \times (9 \times 9 \times 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6745 &:= 1 + ((1+11) \times (1 + ((11+1111)/(1+1)))) \\
&:= 22 + (((2 \times 2 \times (22-2)) + 2)^2) - 2/2 \\
&:= 3/3 + ((3+3) \times (((3 \times 3 + 3 + 3)^3 - 3)/3)) \\
&:= 4 + (((4-4/4)^{4+4}) + 4 \times 44) + 4 \\
&:= (5 \times 5 \times (5 \times 55 - 5)) - 5 \\
&:= 6 + (((6666 + 66) + 6/6) + 6) \\
&:= ((7/7 - 7) + 77) \times ((77/7 + 77) + 7) \\
&:= 8 + (((88/8 - 8)^8 + 88) + 88) \\
&:= 9 \times (9 \times 9 \times 9 + 9) + (((999 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6746 &:= 11 + (11 + ((1 + (11 - 1 - 1)^{1+1})^{1+1})) \\
&:= 22 + (((2 \times 2 \times (22-2)) + 2)^2) \\
&:= (3 - 3/3) \times (((3 \times 3 + 3 + 3)^3 - 3) + 3/3) \\
&:= ((4+4)/4 \times ((44/4 + 4)^{4-4/4})) - 4 \\
&:= 5/5 + ((5 \times 5 \times (5 \times 55 - 5)) - 5) \\
&:= 6 + (((6666 + ((6+6)/6)) + 66) + 6) \\
&:= 7 + (((7-7/7) \times ((7777 + 77)/7)) + 7) \\
&:= 88 + (8 \times 8 \times (88 + 8 + 8) + ((8+8)/8)) \\
&:= (9 \times (9 \times 99 - (9+9))) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6747 &:= (((1+1) \times (11-1)) - 1)^{1+1+1} - (1+111) \\
&:= ((2-22^2) \times (2-2^{2+2})) - 2/2 \\
&:= ((3+3) \times ((3 \times 3 + 3 + 3)^3/3)) - 3 \\
&:= 4 + (44/4 \times (((4/4+4)^4 - 4 \times 4) + 4)) \\
&:= (5/5 + 5)^5 - (((5-5/5)^5 + 5) + 5) \\
&:= 6 + ((6666 - 6 \times 6) + 666/6) \\
&:= 7 \times 77 + ((7/7 + 7) \times (777 - 7/7)) \\
&:= (88 + 8 + 8)/8 \times ((8 \times 8 \times 8 - 8/8) + 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 9) - ((9+9+9)/9)) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6748 &:= (1+1) \times (((1+1+1+1+11)^{1+1+1}) - 1) \\
&:= (2-22^2) \times (2-2^{2+2}) \\
&:= (3-3/3) \times ((3 \times 3 + 3 + 3)^3 - 3/3) \\
&:= ((4+4) \times (4 \times (4^4 - 44) - 4)) - 4 \\
&:= (5 \times 5 \times (5 \times 55 - 5)) - (5+5)/5 \\
&:= 6 + (((((6+6)/6)^6 + 6666) + 6) + 6) \\
&:= (7+7) \times (7 \times (77-7) - (7/7+7)) \\
&:= 8 \times 888 - ((8 \times 88 + 8)/(8+8)/8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 9) - ((9+9)/9)) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6749 &:= ((1+1) \times ((1+1+1+1+11)^{1+1+1})) - 1 \\
&:= 2/2 + ((2-22^2) \times (2-2^{2+2})) \\
&:= ((3+3) \times ((3 \times 3 + 3 + 3)^3/3)) - 3/3 \\
&:= 444 + (((4-4/4)^{4+4}) - 4^4) \\
&:= (5 \times 5 \times (5 \times 55 - 5)) - 5/5 \\
&:= (66/6 + 6) \times (6 \times 66 + 6/6) \\
&:= (7 \times (7+7) \times (77-7)) - 777/7 \\
&:= 8 + ((8 \times 8 - 8/8) \times ((88/8 + 88) + 8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 9) - 9/9) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6750 &:= (1+1) \times ((1+1+1+1+11)^{1+1+1}) \\
&:= 2 + ((2-22^2) \times (2-2^{2+2})) \\
&:= (3+3) \times ((3 \times 3 + 3 + 3)^3/3) \\
&:= (4+4)/4 \times ((44/4 + 4)^{4-4/4}) \\
&:= 5 \times 5 \times (5 \times 55 - 5) \\
&:= 6 + (((6666 + 66) + 6) + 6) \\
&:= (7/7 + 7 \times 7) \times (((7+7)/7)^7 + 7) \\
&:= (88/8 + 8 \times 8) \times ((8+8)/8 + 88) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6751 &:= 1 + ((1+1) \times ((1+1+1+1+11)^{1+1+1})) \\
&:= 2 + (((2-22^2) \times (2-2^{2+2})) + 2/2) \\
&:= 3^3 + ((3 \times 3^3 + 3/3)^{3-3/3}) \\
&:= ((4+4) \times (4 \times (4^4 - 44) - 4)) - 4/4 \\
&:= 5/5 + (5 \times 5 \times (5 \times 55 - 5)) \\
&:= 6 + (((6666 + 66) + 6/6) + 6) + 6 \\
&:= ((7+7) \times (7 \times (77-7) - 7)) - 77/7 \\
&:= 8 + (8888/8 + 8 \times 8 \times 88) \\
&:= 9 + (((9/9 + 9 \times 9)^{(9+9)/9}) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6752 &:= (1+1) \times (1 + ((1+1+1+1+11)^{1+1+1})) \\
&:= 2^{2+2} \times ((22-2)^2 + 22) \\
&:= (3-3/3) \times ((3 \times 3 + 3 + 3)^3 + 3/3) \\
&:= (4+4) \times (4 \times (4^4 - 44) - 4) \\
&:= (5/5 + 5)^5 - (5-5/5)^5 \\
&:= (6^{6-6/6}) - (((6+6)/6)^{(66-6)/6}) \\
&:= (7/7 + 7) \times ((77 \times 77 - (7+7+7))/7) \\
&:= 8 + (8 \times 8 \times (88 + 8 + 8) + 88) \\
&:= 99 + (9 \times (9 \times 9 \times 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6753 &:= 1 + ((1+1) \times (1 + ((1+1+1+1+11)^{1+1+1}))) \\
&:= 2/2 + (2^{2+2} \times ((22-2)^2 + 22)) \\
&:= 3 + ((3+3) \times ((3 \times 3 + 3 + 3)^3/3)) \\
&:= (4 \times (44+4)) + ((4-4/4)^{4+4}) \\
&:= 5 + ((5 \times 5 \times (5 \times 55 - 5)) - ((5+5)/5)) \\
&:= 6 + (((6666 - 6 \times 6) + 666/6) + 6) \\
&:= 7777 - ((7/7 + 7) \times ((7+7)/7)^7) \\
&:= 8 \times (8+8+8) + (88/8 - 8)^8 \\
&:= 999/9 + 9 \times (9 \times 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6754 &:= 11 \times ((1 + (1+1) \times (1+11))^{1+1} - 11) \\
&:= (22^2 \times (2^{2+2} - 2)) - 22 \\
&:= 3 + (((3+3) \times ((3 \times 3 + 3 + 3)^3/3)) + 3/3) \\
&:= 44/4 \times ((4/4 + 4)^4 - 44/4) \\
&:= 55/5 \times ((5^5 - 55)/5) \\
&:= 66 + (((66 + 66)/6) + 6666) \\
&:= ((7+7) \times (7 \times (77-7) - 7)) - (7/7 + 7) \\
&:= 8/8 + ((88/8 - 8)^8 + 8 \times (8+8+8)) \\
&:= 9 \times (9 \times 9 \times 9 + 9) + ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6755 &:= 1 + (11 \times ((1 + (1+1) \times (1+11))^{1+1} - 11)) \\
&:= 2/2 + ((22^2 \times (2^{2+2} - 2)) - 22) \\
&:= 3 + ((3-3/3) \times ((3 \times 3 + 3 + 3)^3 + 3/3)) \\
&:= 4 + (((4+4) \times (4 \times (4^4 - 44) - 4)) - 4/4) \\
&:= 5 + (5 \times 5 \times (5 \times 55 - 5)) \\
&:= 6 + ((66/6 + 6) \times (6 \times 66 + 6/6)) \\
&:= ((7+7) \times (7 \times (77-7) - 7)) - 7 \\
&:= 88 + (8 \times 8 \times (88+8+8) + (88/8)) \\
&:= 99 + (((9+9)/9)^9) \times ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6756 &:= (1+1) \times ((1+1)^{11} + (11^{1+1+1} - 1)) \\
&:= 2 + ((22^2 \times (2^{2+2} - 2)) - 22) \\
&:= 33 + (3^3 \times ((3+3)^3 + 33)) \\
&:= 4 + ((4+4) \times (4 \times (4^4 - 44) - 4)) \\
&:= 5 + ((5 \times 5 \times (5 \times 55 - 5)) + 5/5) \\
&:= 6 + (((6666 + 66) + 6) + 6) + 6) \\
&:= 7/7 + (((7+7) \times (7 \times (77-7) - 7)) - 7) \\
&:= 8 \times 888 + ((8-8 \times 88)/(8+8)/8) \\
&:= 99 + ((9 \times 9 \times 9 - ((9+9+9)/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6757 &:= ((1+1) \times ((1+1)^{11} + 11^{1+1+1})) - 1 \\
&:= ((2^{2+2} - 2)^2) + (2/2 + 2)^{2 \times (2+2)} \\
&:= 33 + ((3 \times 3^3 + 3/3)^{3-3/3}) \\
&:= 4 + (((4-4/4)^{4+4}) + (4 \times (44+4))) \\
&:= 5 + ((5/5 + 5)^5 - (5-5/5)^5) \\
&:= 6 \times 6 + ((6666 - (66/6)) + 66) \\
&:= 7 + ((7/7 + 7 \times 7) \times (((7+7)/7)^7 + 7)) \\
&:= 88 \times (88 - 88/8) - (88/8 + 8) \\
&:= 99 + ((9 \times 9 \times 9 - ((9+9)/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6758 &:= (1+1) \times ((1+1)^{11} + 11^{1+1+1}) \\
&:= (222/2 - 2) \times (2^{2+2+2} - 2) \\
&:= (3-3/3) \times (((3 \times 3 + 3 + 3)^3 + 3/3) + 3) \\
&:= 4 + (44/4 \times ((4/4 + 4)^4 - 44/4)) \\
&:= 5 + (((5 \times 5 \times (5 \times 55 - 5)) - ((5+5)/5)) + 5) \\
&:= ((6 \times 6 - 6) + 6/6) \times (6 \times 6 \times 6 + (6+6)/6) \\
&:= 7 + (((7+7) \times (7 \times (77-7) - 7)) - (77/7)) \\
&:= 8 + ((88/8 + 8 \times 8) \times ((8+8)/8 + 88)) \\
&:= 99 + ((9 \times 9 \times 9 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6759 &:= 1 + ((1+1) \times ((1+1)^{11} + 11^{1+1+1})) \\
&:= 22/2 + ((2-22^2) \times (2-2^{2+2})) \\
&:= 3 \times ((3 \times 3^{3+3} + 33) + 33) \\
&:= 44444/4 - ((4+4)^4 + 4^4) \\
&:= 5 + (55/5 \times ((5^5 - 55)/5)) \\
&:= 666/6 + (6666 - (6+6+6)) \\
&:= ((7+7) \times (7 \times (77-7) - 7)) - (7+7+7)/7 \\
&:= ((8/8 + 8 \times 8) \times (88+8+8)) - 8/8 \\
&:= 99 + (9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6760 &:= (11-1) \times (((1+1) \times (1+1+11))^{1+1}) \\
&:= 2 \times ((22-2) \times ((22/2 + 2)^2)) \\
&:= (((3 \times (3+3)) + 3/3)^3) - 3 \times 33 \\
&:= (4^4 + 4) \times ((44/((4+4)/4)) + 4) \\
&:= 5 + ((5 \times 5 \times (5 \times 55 - 5)) + 5) \\
&:= (6/6 - 66) \times (((6-666)/6) + 6) \\
&:= (7/7 + 7) \times ((77 \times 77 - (7+7))/7) \\
&:= (8/8 + 8 \times 8) \times (88+8+8) \\
&:= 9/9 + ((9 \times 9 \times 9 + 99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6761 &:= 1 + ((11-1) \times (((1+1) \times (1+1+11))^{1+1})) \\
&:= 2/2 + (2 \times ((22-2) \times ((22/2 + 2)^2))) \\
&:= 3/3 + (((3 \times (3+3)) + 3/3)^3) - 3 \times 33 \\
&:= 4 + (((4-4/4)^{4+4}) + (4 \times (44+4))) + 4) \\
&:= 55/5 + (5 \times 5 \times (5 \times 55 - 5)) \\
&:= 6 + (((66/6 + 6) \times (6 \times 66 + 6/6)) + 6) \\
&:= ((7+7) \times (7 \times (77-7) - 7)) - 7/7 \\
&:= 8 + ((88/8 - 8)^8 + 8 \times (8+8+8)) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 + 99) + 99)/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6762 &:= (1 + (1+1+11)) \times (((11+11)^{1+1}) - 1) \\
&:= (2^{2+2} - 2) \times (22^2 - 2/2) \\
&:= (33 \times ((3+3)^3 - 33/3)) - 3 \\
&:= (4+4)/4 \times (((4/4 + 4)^{4+4/4}) + 4^4) \\
&:= 5 + (((5/5 + 5)^5 - (5-5/5)^5) + 5) \\
&:= 6 \times 6 + ((6666 - 6) + 66) \\
&:= (7+7) \times (7 \times (77-7) - 7) \\
&:= (8-8/8) \times ((88 \times 88 - (8+8))/8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 999)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6763 &:= 1 + (1+1+1+11) \times (((11+11)^{1+1}) - 1) \\
&:= 2/2 + ((2^{2+2} - 2) \times (22^2 - 2/2)) \\
&:= 3 + (((3 \times (3+3)) + 3/3)^3) - 3 \times 33 \\
&:= 44 + ((4 \times (44 \times 44 - 4^4)) - 4/4) \\
&:= 5 \times 5 \times 5 \times 55 - (555+5)/5 \\
&:= 6 \times 6 + (((6666 - 6) + 66) + 6/6) \\
&:= 7/7 + ((7+7) \times (7 \times (77-7) - 7)) \\
&:= 8 \times 8 + ((8/8 - 88) \times (88/8 - 88)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 99) + ((999+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6764 &:= (11 \times (11 \times (1+111)/(1+1) - 1)) - 1 \\
&:= 2 + ((2^{2+2} - 2) \times (22^2 - 2/2)) \\
&:= (33 \times ((3+3)^3 - 33/3)) - 3/3 \\
&:= 44 + (4 \times (44 \times 44 - 4^4)) \\
&:= 5 \times 5 \times 5 \times 55 - 555/5 \\
&:= 6666 + (((666 - 6)/6) - (6+6)) \\
&:= (7+7)/7 + ((7+7) \times (7 \times (77-7) - 7)) \\
&:= (8/8 + 88) \times (((88+8)/8) + 8 \times 8) \\
&:= 9 \times (9 \times 9 \times 9 + 9) + (999+99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6765 &:= 11 \times (11 \times (1+111)/(1+1) - 1) \\
&:= (22^2 \times (2^{2+2} - 2)) - 22/2 \\
&:= 33 \times ((3+3)^3 - 33/3) \\
&:= 44 + ((4 \times (44 \times 44 - 4^4)) + 4/4) \\
&:= 55 \times (5 \times 5 \times 5 - ((5+5)/5)) \\
&:= 666/6 + (6666 - (6+6)) \\
&:= 77/7 \times ((7 \times 77 - 7/7) + 77) \\
&:= 88/8 \times (8 \times 88 - (8/8 + 88)) \\
&:= 99 + ((9 - ((9+9+9)/9)) \times 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6766 &:= 1 + (11 \times (11 \times (1+111)/(1+1) - 1)) \\
&:= (2^{2+2} + 2/2) \times ((22-2)^2 - 2) \\
&:= 3/3 + (33 \times ((3+3)^3 - 33/3)) \\
&:= (4 \times (((4+4) \times (4^4 - 44)) - 4)) - (4+4)/4 \\
&:= 5 + ((5 \times 5 \times (5 \times 55 - 5)) + (55/5)) \\
&:= 6 \times 6 + (((6+6)/6)^6 + 6666) \\
&:= 77/7 + (((7+7) \times (7 \times (77-7) - 7)) - 7) \\
&:= (8-88)/8 + 88 \times (88-88/8) \\
&:= 9 + (((9 \times 9 \times 9 - ((9+9)/9)) + 99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6767 &:= 1 + (1 + (11 \times (11 \times (1+111)/(1+1) - 1))) \\
&:= 2 + ((22^2 \times (2^{2+2} - 2)) - 22/2) \\
&:= 3 + ((33 \times ((3+3)^3 - 33/3)) - 3/3) \\
&:= (4 \times (((4+4) \times (4^4 - 44)) - 4)) - 4/4 \\
&:= 5 + (((5/5 + 5)^5 - (5-5/5)^5) + 5) + 5) \\
&:= 6 \times 6 + ((6666 - 6/6) + 66) \\
&:= 7 + ((7/7 + 7) \times ((77 \times 77 - (7+7))/7)) \\
&:= 888/8 + 8 \times 8 \times (88+8+8) \\
&:= 9 + (((9 \times 9 \times 9 - 9/9) + 99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6768 &:= (1+11) \times (((1+1) \times (1+11))^{1+1}) - (1+11) \\
&:= 2 \times ((2 \times (2 \times 22)^2 - 2) - 22^2) \\
&:= 3 + (33 \times (3+3)^3 - 33/3) \\
&:= 4 \times (((4+4) \times (4^4 - 44)) - 4) \\
&:= 5 + (5 \times 5 \times 5 \times 55 - (555+5)/5) \\
&:= 6 \times ((66 \times (66/6+6)) + 6) \\
&:= (7/7+7) \times ((77 \times 77 - 7)/7) \\
&:= 88 \times (88 - 88/8) - 8 \\
&:= 9 + ((9 \times 9 \times 9 \times 9 + 99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6769 &:= (111 \times ((1+11^{1+1})/(1+1))) - 1 - 1 \\
&:= ((2/2+2+2)+2) \times (2 \times 22^2 - 2/2) \\
&:= (3 \times (3-33)) + (((3 \times (3+3)) + 3/3)^3) \\
&:= 4/4 + (4 \times (((4+4) \times (4^4 - 44)) - 4)) \\
&:= 5 + (5 \times 5 \times 5 \times 55 - 555/5) \\
&:= 6 \times 6 + ((6666+66) + 6/6) \\
&:= 7 + ((7+7) \times (7 \times (77-7) - 7)) \\
&:= (8-8/8) \times ((88 \times 88 - 8)/8) \\
&:= 9 \times 9 \times (9 \times 9 + 9) - (((9+9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6770 &:= (111 \times ((1+11^{1+1})/(1+1))) - 1 \\
&:= 22 + ((2 - 22^2) \times (2 - 2^{2+2})) \\
&:= (3 \times (3 \times (3^{3+3} + 3^3))) - 3/3 - 33 \\
&:= (4+4)/4 + (4 \times (((4+4) \times (4^4 - 44)) - 4)) \\
&:= (5 \times (5 \times (5 \times 55 - 5) + 5)) - 5 \\
&:= 6666 + (((666 - 6)/6) - 6) \\
&:= 7 + (((7+7) \times (7 \times (77-7) - 7)) + 7/7) \\
&:= 8 + ((8-8/8) \times ((88 \times 88 - (8+8))/8)) \\
&:= 99 + ((9 \times 9 \times 9 + 999/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6771 &:= 111 \times ((1+11^{1+1})/(1+1)) \\
&:= 222/2 \times (2^{2+2+2} - (2/2+2)) \\
&:= 333/3 \times (((3/3+3)^3) - 3) \\
&:= 444/4 \times ((4^4+4)/4-4) \\
&:= 555/5 \times ((5+5/5)+5) \\
&:= 666/6 + (6666-6) \\
&:= 777/7 \times ((7+7)/7+7 \times 7) \\
&:= 888/8 \times ((8 \times 8 - 88/8) + 8) \\
&:= 99 + (9 \times 9 \times 9 + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6772 &:= 1 + (111 \times ((1+11^{1+1})/(1+1))) \\
&:= (22^2 \times (2^{2+2} - 2)) - 2 - 2 \\
&:= 3 + (((3 \times (3+3)) + 3/3)^3) + (3 \times (3-33)) \\
&:= 4 + (4 \times (((4+4) \times (4^4 - 44)) - 4)) \\
&:= 5 \times 5 + ((5/5+5)^5 - ((5-5/5)^5 + 5)) \\
&:= 6666 + ((666+6)/6 - 6) \\
&:= 7 + (77/7 \times ((7 \times 77 - 7/7) + 77)) \\
&:= 8 + ((8/8+88) \times (((88+8)/8) + 8 \times 8)) \\
&:= 99 + (((999+9)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6773 &:= 1 + (1 + (111 \times ((1+11^{1+1})/(1+1)))) \\
&:= (22^2 \times (2^{2+2} - 2)) - 2/2 - 2 \\
&:= ((3^3 + 3/3) \times ((3^{3+3} - 3)/3)) - 3 \\
&:= 4^4 + (((4-4/4)^{4+4}) - 44) \\
&:= (5 \times (5 \times (5 \times 55 - 5) + 5)) - (5+5)/5 \\
&:= 6 \times (6+6+6) + (6666 - 6/6) \\
&:= 77/7 + ((7+7) \times (7 \times (77-7) - 7)) \\
&:= ((8+8) \times (8 \times 8 \times 8 - 88)) - 88/8 \\
&:= ((99+9+9)/9) \times (((9+9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6774 &:= (11 \times 11 \times (1+111)/(1+1)) - 1 - 1 \\
&:= (22^2 \times (2^{2+2} - 2)) - 2 \\
&:= (3+3)^3 + ((3 \times 3 \times 3^{3+3}) - 3) \\
&:= 4/4 + (((4-4/4)^{4+4}) - 44) + 4^4 \\
&:= (5 \times (5 \times (5 \times 55 - 5) + 5)) - 5/5 \\
&:= 6 \times (6+6+6) + 6666 \\
&:= (77 \times (77/7+77)) - (7+7)/7 \\
&:= 88 \times (88 - 88/8) - (8+8)/8 \\
&:= 9/9 + (((99+9+9)/9) \times (((9+9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6775 &:= (11 \times 11 \times (1+111)/(1+1)) - 1 \\
&:= (22^2 \times (2^{2+2} - 2)) - 2/2 \\
&:= (((3 \times (3+3)) + 3/3)^3) - (3 \times 3^3 + 3) \\
&:= 4 + (444/4 \times ((4^4+4)/4-4)) \\
&:= 5 \times (5 \times (5 \times 55 - 5) + 5) \\
&:= 6/6 + (6 \times (6+6+6) + 6666) \\
&:= (77 \times (77/7+77)) - 7/7 \\
&:= 88 \times (88 - 88/8) - 8/8 \\
&:= 9 \times 9 \times 9 + 9 + ((9+9)/9) \times ((99-9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6776 &:= 11 \times 11 \times (1+111)/(1+1) \\
&:= 22^2 \times (2^{2+2} - 2) \\
&:= (3^3 + 3/3) \times ((3^{3+3} - 3)/3) \\
&:= (4+4) \times (4 \times (4^4 - 44) - 4/4) \\
&:= 5/5 + (5 \times (5 \times (5 \times 55 - 5) + 5)) \\
&:= 6666 + (666 - 6)/6 \\
&:= 77 \times (77/7+77) \\
&:= 88 \times (88 - 88/8) \\
&:= 9 \times 9 \times 9 + 9 + ((9+9) \times (99+9) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6777 &:= 1 + (11 \times 11 \times (1+111)/(1+1)) \\
&:= 2/2 + (22^2 \times (2^{2+2} - 2)) \\
&:= 3 \times (3 \times ((3^{3+3} - 3) + 3^3)) \\
&:= 4 + (((4-4/4)^{4+4}) - 44) + 4^4 \\
&:= 5 \times 5 + ((5/5+5)^5 - (5-5/5)^5) \\
&:= 666/6 + 6666 \\
&:= 7/7 + (77 \times (77/7+77)) \\
&:= 8/8 + 88 \times (88 - 88/8) \\
&:= ((99+9) \times (9 \times 9 - 9)) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6778 &:= 1 + (1 + (11 \times 11 \times (1+111)/(1+1))) \\
&:= 2 + (22^2 \times (2^{2+2} - 2)) \\
&:= (((3 \times (3+3)) + 3/3)^3) - 3 \times 3^3 \\
&:= (4 \times ((4+4) \times (4^4 - 44))) - ((4+4)/4+4) \\
&:= 5 + ((5 \times (5 \times (5 \times 55 - 5) + 5)) - ((5+5)/5)) \\
&:= 6666 + (666+6)/6 \\
&:= (7+7)/7 + (77 \times (77/7+77)) \\
&:= (8+8)/8 + 88 \times (88 - 88/8) \\
&:= 9 \times 9 \times (9 \times 9 + 9) - ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6779 &:= 1 + (1 + (1 + (11 \times 11 \times (1+111)/(1+1)))) \\
&:= 2 + ((22^2 \times (2^{2+2} - 2)) + 2/2) \\
&:= 3 + ((3^3 + 3/3) \times ((3^{3+3} - 3)/3)) \\
&:= (4 \times ((4+4) \times (4^4 - 44))) - 4/4 - 4 \\
&:= 5 + ((5 \times (5 \times (5 \times 55 - 5) + 5)) - 5/5) \\
&:= 6666 + (((666+6) + 6)/6) \\
&:= (7+7+7)/7 + (77 \times (77/7+77)) \\
&:= 8 + (888/8 \times ((8 \times 8 - 88/8) + 8)) \\
&:= 9/9 + (9 \times 9 \times (9 \times 9 + 9) - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6780 &:= (1+11) \times (((1+1) \times (1+11))^{1+1}) - 11 \\
&:= 2 + ((22^2 \times (2^{2+2} - 2)) + 2) \\
&:= 3 + ((3 \times 3 \times 3^{3+3}) + (3+3)^3) \\
&:= (4 \times ((4+4) \times (4^4 - 44))) - 4 \\
&:= 5 + (5 \times (5 \times (5 \times 55 - 5) + 5)) \\
&:= 6 + (6 \times (6+6+6) + 6666) \\
&:= 7 + (((7+7) \times (7 \times (77-7) - 7)) + (77/7)) \\
&:= 8 \times 8/(8+8) + 88 \times (88 - 88/8) \\
&:= 9 + ((9 \times 9 \times 9 + 999/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6781 &:= ((11 \times (1 + (11 \times (1+111)))) - 1)/(1+1) \\
&:= 222 + ((2/2+2)^{2 \times (2+2)} - 2) \\
&:= 3 + (((3 \times (3+3)) + 3/3)^3) - 3 \times 3^3 \\
&:= 44 + (((4-4/4)^{4+4}) + 4 \times 44) \\
&:= 5 + ((5 \times (5 \times (5 \times 55 - 5) + 5)) + 5/5) \\
&:= 6 + ((6 \times (6+6+6) + 6666) + 6/6) \\
&:= 7 + ((77 \times (77/7+77)) - ((7+7)/7)) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 88)) - (88/8)) \\
&:= 9 \times 9 \times 9 + 9 + ((99/9) \times (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6782 &:= 11 + (111 \times ((1+11^{1+1})/(1+1))) \\
&:= 2 + (((22^2 \times (2^{2+2} - 2)) + 2) + 2) \\
&:= 3 + (((3^3 + 3/3) \times ((3^{3+3} - 3)/3)) + 3) \\
&:= (4 \times ((4+4) \times (4^4 - 44))) - (4+4)/4 \\
&:= ((5+5)/5)^5 + (5 \times 5 \times (5 \times 55 - 5)) \\
&:= 6 + (((666 - 6)/6) + 6666) \\
&:= 7 + ((77 \times (77/7+77)) - 7/7) \\
&:= ((8+8) \times (8 \times 8 \times 8 - 88)) - (8+8)/8 \\
&:= 9 + (((99+9+9)/9) \times (((9+9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6783 &:= 1 + (11 + (111 \times ((1 + 11^{1+1})/(1 + 1)))) \\
&:= 222 + (2/2 + 2)^{2 \times (2+2)} \\
&:= 3 + (((3 \times 3 \times 3^{3+3}) + (3 + 3)^3) + 3) \\
&:= (4 \times ((4 + 4) \times (4^4 - 44))) - 4/4 \\
&:= ((5 + 5)/5 + 5) \times ((5 - 5/5)^5 - 55) \\
&:= 6 + (666/6 + 6666) \\
&:= 7 + (77 \times (77/7 + 77)) \\
&:= (8 - 8/8) \times ((88 \times 88 + 8)/8) \\
&:= 9 \times 9 \times 9 + 9 + ((9 + 9)/9) \times 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6784 &:= (1 + 1) \times ((1 + 1)^{11} + ((1 + 11) \times (1 + 111))) \\
&:= 2 \times ((2 \times ((2 \times 22)^2 + 2)) - 22^2) \\
&:= (33 - 3/3) \times ((3 + 3)^3 - (3/3 + 3)) \\
&:= 4 \times ((4 + 4) \times (4^4 - 44)) \\
&:= (55/5 \times ((5^5 - 5)/5 - 5)) - 5 \times 5 \\
&:= 6 + ((666 + 6)/6 + 6666) \\
&:= (7/7 + 7) \times ((77 \times 77 + 7)/7) \\
&:= (8 + 8) \times (8 \times 8 \times 8 - 88) \\
&:= (9 \times ((9 \times 9 \times 9 + 9) + 9)) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6785 &:= (11 \times (1 + 11 \times (1 + 111)/(1 + 1))) - 1 - 1 \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} + 222) \\
&:= (33 \times (3 + 3)^3) - ((3/3 + 3 + 3)^3) \\
&:= 4/4 + (4 \times ((4 + 4) \times (4^4 - 44))) \\
&:= 5 + ((5 \times (5 \times (5 \times 55 - 5) + 5)) + 5) \\
&:= 6 + (((666 + 6) + 6)/6 + 6666) \\
&:= 7 + ((77 \times (77/7 + 77)) + ((7 + 7)/7)) \\
&:= 8/8 + ((8 + 8) \times (8 \times 8 \times 8 - 88)) \\
&:= (9 \times ((9 \times 9 \times 9 + 9) + 9)) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6786 &:= (11 \times (1 + 11 \times (1 + 111)/(1 + 1))) - 1 \\
&:= 2 + ((22^2 \times (2^{2+2} - 2)) + 2 \times (2 + 2)) \\
&:= 3 \times ((3 \times ((3^{3+3} - 3) + 3^3)) + 3) \\
&:= (4 + 4)/4 + (4 \times ((4 + 4) \times (4^4 - 44))) \\
&:= 55/5 + (5 \times (5 \times (5 \times 55 - 5) + 5)) \\
&:= 6 + ((6 \times (6 + 6 + 6) + 6666) + 6) \\
&:= (7/7 + 77) \times (((77 - 7)/7) + 77) \\
&:= (8 + 8)/8 + ((8 + 8) \times (8 \times 8 \times 8 - 88)) \\
&:= (9 \times ((9 \times 9 \times 9 + 9) + 9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6787 &:= 11 \times (1 + 11 \times (1 + 111)/(1 + 1)) \\
&:= 22/2 + (22^2 \times (2^{2+2} - 2)) \\
&:= (3 \times (3 - 3^3)) + (((3 \times (3 + 3)) + 3/3)^3) \\
&:= 44/4 \times ((4/4 + 4)^4 - (4 + 4)) \\
&:= 55/5 \times ((5^5 + 5 + 5)/5 - (5 + 5)) \\
&:= 6666 + ((66/6) \times (66/6)) \\
&:= 77/7 + (77 \times (77/7 + 77)) \\
&:= 88/8 + 88 \times (88 - 88/8) \\
&:= 9 + (9 \times 9 \times (9 \times 9 + 9) - ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6788 &:= 1 + (11 \times (1 + 11 \times (1 + 111)/(1 + 1))) \\
&:= ((2^{2+2} - 2) \times (22^2 + 2/2)) - 2 \\
&:= 3 + ((33 \times (3 + 3)^3) - ((3/3 + 3 + 3)^3)) \\
&:= 4 + (4 \times ((4 + 4) \times (4^4 - 44))) \\
&:= 5 + (((5 + 5)/5 + 5) \times ((5 - 5/5)^5 - 55)) \\
&:= 6666 + ((666 + 66)/6) \\
&:= (77 + 7)/7 + (77 \times (77/7 + 77)) \\
&:= 8 \times 8 + (((((8 + 8)/8) - 8) + 88)^{(8+8)/8}) \\
&:= ((9/9 + 9 \times 9) \times (((9 + 9)/9) + 9 \times 9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6789 &:= 1 + (1 + (11 \times (1 + 11 \times (1 + 111)/(1 + 1)))) \\
&:= 2 + ((22^2 \times (2^{2+2} - 2)) + 22/2) \\
&:= ((3 + 3)^3 + 3) \times ((3^3 + 3/3) + 3) \\
&:= 4 + ((4 \times ((4 + 4) \times (4^4 - 44))) + 4/4) \\
&:= (5 \times (5 \times 5 \times 55 + 5)) - 555/5 \\
&:= 6 + ((666/6 + 6666) + 6) \\
&:= ((77 - 7) \times (7 \times (7 + 7) - 7/7)) - 7/7 \\
&:= ((8/8 + 88) \times (88 - 88/8)) - 8 \times 8 \\
&:= ((9/9 - 9) + 9 \times 9) \times ((99 + 9)/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6790 &:= (11 - 1) \times (((1 + 1)^{11} - 11)/(1 + 1 + 1)) \\
&:= (2^{2+2} - 2) \times (22^2 + 2/2) \\
&:= (3 - 3/3 + 3) \times ((33/3)^3 + 3^3) \\
&:= 4 + ((4 \times ((4 + 4) \times (4^4 - 44))) + (4 + 4)/4) \\
&:= (5 + 5) \times ((5^5 - 5)/5 + 55) \\
&:= 6 + (((666 + 6)/6 + 6666) + 6) \\
&:= (77 - 7) \times (7 \times (7 + 7) - 7/7) \\
&:= (8 - 8/8) \times (88 \times 88 + 8 + 8)/8 \\
&:= (9 \times 9 - 99/9) \times (99 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6791 &:= 1 + ((11 - 1) \times (((1 + 1)^{11} - 11)/(1 + 1 + 1))) \\
&:= 2/2 + ((2^{2+2} - 2) \times (22^2 + 2/2)) \\
&:= (33 \times (3 + 3)^3) - ((333 + 3/3) + 3) \\
&:= 4 + (44/4 \times ((4/4 + 4)^4 - (4 + 4))) \\
&:= 5/5 + ((5 + 5) \times ((5^5 - 5)/5 + 55)) \\
&:= 66 + ((6666 - (6/6 + 6)) + 66) \\
&:= 7 + ((7/7 + 7) \times ((77 \times 77 + 7)/7)) \\
&:= 8 + ((8 - 8/8) \times ((88 \times 88 + 8)/8)) \\
&:= 9 + (((99 + 9 + 9)/9) \times (((9 + 9)/9)^9 + 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6792 &:= (1 + 11) \times (11 + ((1111 - 1)/(1 + 1))) \\
&:= 2 + ((2^{2+2} - 2) \times (22^2 + 2/2)) \\
&:= (33 \times (3 + 3)^3) - 333 - 3 \\
&:= 4 + ((4 \times ((4 + 4) \times (4^4 - 44))) + 4) \\
&:= ((55 + 5)/5) \times (555 + (55/5)) \\
&:= 66 + ((6666 - 6) + 66) \\
&:= (7/7 + 7) \times (((77 \times 77 + 7) + 7)/7) \\
&:= 8 + ((8 + 8) \times (8 \times 8 \times 8 - 88)) \\
&:= (9 - 9/9) \times ((999/9 + 9 \times 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6793 &:= 1 + ((1 + 11) \times (11 + ((1111 - 1)/(1 + 1)))) \\
&:= ((2^{2+2} - 2) \times (22^2 + 2)) - 22/2 \\
&:= (((3 \times (3 + 3)) + 3/3)^3) - (33 + 33) \\
&:= 4 + (((4 \times ((4 + 4) \times (4^4 - 44))) + 4/4) + 4) \\
&:= (55/5 \times ((5^5 - 5 - 5)/5 - 5)) - 5 \\
&:= 6 + (((66/6) \times (66/6)) + 6666) \\
&:= 7 + ((7/7 + 77) \times (((77 - 7)/7) + 77)) \\
&:= 8 + (((8 + 8) \times (8 \times 8 \times 8 - 88)) + 8/8) \\
&:= (9 \times ((9 \times 9 \times 9 + 9) + 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6794 &:= 1 + (1 + ((1 + 11) \times (11 + ((1111 - 1)/(1 + 1)))))) \\
&:= 2 + (((2^{2+2} - 2) \times (22^2 + 2/2)) + 2) \\
&:= (33 \times (3 + 3)^3) - (333 + 3/3) \\
&:= (44 - 4)/4 + (4 \times ((4 + 4) \times (4^4 - 44))) \\
&:= 5^5 + ((555 - (55/5)) + 5^5) \\
&:= 6666 + (((6 + 6)/6)^{6/6+6}) \\
&:= 7 + ((77 \times (77/7 + 77)) + (77/7)) \\
&:= ((8/8 - 88) + 8) \times (((8 + 8)/8) - 88) \\
&:= (9 \times ((9 \times 9 \times 9 + 9) + 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6795 &:= 111 + ((1 + 11) \times (1 + ((1 + 1111)/(1 + 1)))) \\
&:= 2 + (((2^{2+2} - 2) \times (22^2 + 2)) - 22/2) \\
&:= 3 \times ((3 \times (3^{3+3} + 3^3)) - 3) \\
&:= 44/4 + (4 \times ((4 + 4) \times (4^4 - 44))) \\
&:= (5 \times (5 \times 5 \times 55 - 5)) - 55 \\
&:= 6 + (((666/6 + 6666) + 6) + 6) \\
&:= 7 + ((77 \times (77/7 + 77)) + (77 + 7)/7) \\
&:= 88/8 + ((8 + 8) \times (8 \times 8 \times 8 - 88)) \\
&:= (9 \times ((9 \times 9 \times 9 + 9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6796 &:= (1 + 1) \times (((1 + 1 + 1) \times (11 + (11 + 1111))) - 1) \\
&:= 22 + ((22^2 \times (2^{2+2} - 2)) - 2) \\
&:= 3/3 + (3 \times ((3 \times (3^{3+3} + 3^3)) - 3)) \\
&:= (4 \times (((4 + 4) \times (4^4 - 44)) + 4)) - 4 \\
&:= 5/5 + ((5 \times (5 \times 5 \times 55 - 5)) - 55) \\
&:= 66 + (((6 + 6)/6)^6 + 6666) \\
&:= 7 + (((77 - 7) \times (7 \times (7 + 7) - 7/7)) - 7/7) \\
&:= 8 \times 888 + ((88 \times (8 - 8 \times 8))/(8 + 8)) \\
&:= 9/9 + ((9 \times ((9 \times 9 \times 9 + 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6797 &:= (11 \times (1 + (1 + 11 \times (1 + 111)/(1 + 1)))) - 1 \\
&:= 22 + ((22^2 \times (2^{2+2} - 2)) - 2/2) \\
&:= 3 + ((33 \times (3 + 3)^3) - (333 + 3/3)) \\
&:= 4^4 + (((4 - 4/4)^{4+4}) - (4 \times 4 + 4)) \\
&:= 5 + (((55 + 5)/5) \times (555 + (55/5))) \\
&:= 66 + ((6666 - 6/6) + 66) \\
&:= 7 + ((77 - 7) \times (7 \times (7 + 7) - 7/7)) \\
&:= (8 - 8/8) \times ((8 \times (8 \times (8 + 8) - 8)) + (88/8)) \\
&:= (9 - (9 + 9)/9) \times (9 \times (99 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6798 &:= 11 \times (1 + (1 + 11 \times (1 + 111)/(1 + 1))) \\
&:= 22 + (22^2 \times (2^{2+2} - 2)) \\
&:= 3 + (3 \times ((3 \times (3^{3+3} + 3^3)) - 3)) \\
&:= 44/4 \times (((4/4 + 4)^4 - 44/4) + 4) \\
&:= 55/5 \times ((5^5 - 5 - 5)/5 - 5) \\
&:= 66 + (6666 + 66) \\
&:= 7 + (((7/7 + 7) \times ((77 \times 77 + 7)/7)) + 7) \\
&:= (((8 + 8)/8) + 8 \times 8) \times (888/8 - 8) \\
&:= 99/9 \times (9 \times 9 \times 9 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6799 &:= (1 + 1 + 11) \times (11 + (1 + 1)^{11-1-1}) \\
&:= 22 + ((22^2 \times (2^{2+2} - 2)) + 2/2) \\
&:= (((3 \times (3 + 3)) + 3/3)^3) - (3^3 + 33) \\
&:= (4 \times (((4 + 4) \times (4^4 - 44)) + 4)) - 4/4 \\
&:= ((5 + 5) \times (5^5/5 + 55)) - 5/5 \\
&:= 66 + ((6666 + 66) + 6/6) \\
&:= 7 + ((7/7 + 7) \times (((77 \times 77 + 7) + 7)/7)) \\
&:= 8 + (((8 - 8)/8) \times ((88 \times 88 + 8)/8)) + 8 \\
&:= 9 + ((9 \times 9 - 99/9) \times (99 - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6800 &:= 1 + ((1 + 1 + 11) \times (11 + (1 + 1)^{11-1-1})) \\
&:= (22 - 2)^2 \times (2^{2+2} + 2/2) \\
&:= (3 \times (3 \times (3^{3+3} + 3^3))) - (3/3 + 3) \\
&:= 4 \times (((4 + 4) \times (4^4 - 44)) + 4) \\
&:= (5 + 5) \times (5^5/5 + 55) \\
&:= 6 + (((6 + 6)/6)^{6/6+6} + 6666) \\
&:= (7 \times ((7 + 7) \times (77 - 7) - 7)) - 77/7 \\
&:= 8 + (((8 + 8) \times (8 \times 8 \times 8 - 88)) + 8) \\
&:= ((9 - 9/9) + 9) \times ((99/9 + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6801 &:= ((1 + 1) \times ((1 + 1) \times ((1 + 11)^{1+1+1}))) - 111 \\
&:= 2/2 + ((22 - 2)^2 \times (2^{2+2} + 2/2)) \\
&:= (3 \times (3 \times (3^{3+3} + 3^3))) - 3 \\
&:= 4^4 + (((4 - 4/4)^{4+4}) - 4 \times 4) \\
&:= 5/5 + ((5 + 5) \times (5^5/5 + 55)) \\
&:= 6 + (((666/6 + 6666) + 6) + 6) + 6 \\
&:= 77 + (((77 - (7 + 7)/7) + 7)^{(7+7)/7}) \\
&:= (88 + 8) \times (8 \times 8 + 8) - 888/8 \\
&:= (9 \times (((9 \times 9 \times 9 + 9) + 9) + 9)) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6802 &:= 1 + (((1 + 1) \times ((1 + 1) \times ((1 + 11)^{1+1+1}))) - 111) \\
&:= ((2^{2+2} - 2) \times (22^2 + 2)) - 2 \\
&:= 3/3 + ((3 \times (3 \times (3^{3+3} + 3^3))) - 3) \\
&:= 4/4 + (((4 - 4/4)^{4+4}) - 4 \times 4) + 4^4 \\
&:= (5 + 5)/5 + ((5 + 5) \times (5^5/5 + 55)) \\
&:= 6 + (((6 + 6)/6)^6 + 6666) + 66 \\
&:= (7 \times ((7 + 7) \times (77 - 7) - 7)) - ((7 + 7)/7 + 7) \\
&:= 8 + (((8/8 - 88) + 8) \times (((8 + 8)/8) - 88)) \\
&:= (9 \times (((9 \times 9 \times 9 + 9) + 9) + 9)) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6803 &:= ((1 + 11) \times (11 + ((1 + 1111)/(1 + 1)))) - 1 \\
&:= 22^2/2 + (2/2 + 2)^{2 \times (2+2)} \\
&:= (3 \times (3 \times (3^{3+3} + 3^3))) - 3/3 \\
&:= ((4^4 - 4) \times (44/4 + 4 \times 4)) - 4/4 \\
&:= 5 + (55/5 \times ((5^5 - 5 - 5)/5 - 5)) \\
&:= 6 + (((6666 - 6/6) + 66) + 66) \\
&:= (7 \times ((7 + 7) \times (77 - 7) - 7)) - (7/7 + 7) \\
&:= 8 + (((8 + 8) \times (8 \times 8 \times 8 - 88)) + (88/8)) \\
&:= (9 \times (((9 \times 9 \times 9 + 9) + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6804 &:= (1 + 11) \times (11 + ((1 + 1111)/(1 + 1))) \\
&:= (2^{2+2} - 2) \times (22^2 + 2) \\
&:= 3 \times (3 \times (3^{3+3} + 3^3)) \\
&:= (4^4 - 4) \times (44/4 + 4 \times 4) \\
&:= 5^5 + ((555 - 5/5) + 5^5) \\
&:= 6 + ((6666 + 66) + 66) \\
&:= (7 \times ((7 + 7) \times (77 - 7) - 7)) - 7 \\
&:= (8/8 + 8) \times (8 \times (88 + 8) - ((88 + 8)/8)) \\
&:= 9 \times (((9 \times 9 \times 9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6805 &:= 1 + ((1 + 11) \times (11 + ((1 + 1111)/(1 + 1)))) \\
&:= 2/2 + ((2^{2+2} - 2) \times (22^2 + 2)) \\
&:= 3/3 + (3 \times (3 \times (3^{3+3} + 3^3))) \\
&:= 4 + (((4 - 4/4)^{4+4}) - 4 \times 4) + 4^4 \\
&:= 5^5 + (555 + 5^5) \\
&:= 6 + (((6666 + 66) + 66) + 6/6) \\
&:= 7/7 + ((7 \times ((7 + 7) \times (77 - 7) - 7)) - 7) \\
&:= ((88 + 8) \times ((8 \times 8 - 8/8) + 8)) - 88/8 \\
&:= 9/9 + (9 \times (((9 \times 9 \times 9 + 9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6806 &:= 1 + (1 + ((1 + 11) \times (11 + ((1 + 1111)/(1 + 1)))) \\
&:= 2 + ((2^{2+2} - 2) \times (22^2 + 2)) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} + 3^3))) - 3/3) \\
&:= 4^4 + (((4 - 4/4)^{4+4}) - 44/4) \\
&:= 5^5 + (555 + 5^5 + 5/5) \\
&:= 6 + (((6 + 6)/6)^{6/6+6} + 6666) + 6 \\
&:= (7 + 7)/7 + ((7 \times ((7 + 7) \times (77 - 7) - 7)) - 7) \\
&:= 8 + (((8 + 8)/8) + 8 \times 8) \times (888/8 - 8) \\
&:= (9/9 + 9 \times 9) \times (((9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6807 &:= (1 + 1 + 1) \times ((1 + 1)^{11} + ((1 + 1) \times 111 - 1)) \\
&:= 2 + (((2^{2+2} - 2) \times (22^2 + 2)) + 2/2) \\
&:= 3 + (3 \times (3 \times (3^{3+3} + 3^3))) \\
&:= 4 + (((4^4 - 4) \times (44/4 + 4 \times 4)) - 4/4) \\
&:= 55 + ((5/5 + 5)^5 - (5 - 5/5)^5) \\
&:= 6 \times 6 + ((6666 - 6) + 666/6) \\
&:= 7 + ((7 \times ((7 + 7) \times (77 - 7) - 7)) - (77/7)) \\
&:= 8888/8 + 8 \times (8 \times 88 + 8) \\
&:= 9 + ((99/9) \times (9 \times 9 \times 9 - 999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6808 &:= 1 + ((1 + 1 + 1) \times ((1 + 1)^{11} + ((1 + 1) \times 111 - 1))) \\
&:= 2 + (((2^{2+2} - 2) \times (22^2 + 2)) + 2) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} + 3^3))) + 3/3) \\
&:= 4 + (((4^4 - 4) \times (44/4 + 4 \times 4)) - 4/4) \\
&:= (55/5 \times ((5^5 - 5)/5 - 5)) - 5/5 \\
&:= (6 + 6) \times (6 + 6) + (6666 - ((6 + 6)/6)) \\
&:= (7/7 + 7) \times ((77/7 \times (7/7 + 77)) - 7) \\
&:= 88 + (8 \times (8 \times (88 + 8 + 8) + 8)) \\
&:= (((9 + 9)/9) + 9 \times 9)^{(9+9)/9} - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6809 &:= 11 \times (1 + (1 + (1 + 11 \times (1 + 111)/(1 + 1)))) \\
&:= 2 + (((2^{2+2} - 2) \times (22^2 + 2)) + 2/2) + 2 \\
&:= 3 + (((3 \times (3 \times (3^{3+3} + 3^3))) - 3/3) + 3) \\
&:= 4^4 + (((4 - 4/4)^{4+4}) - (4 + 4)) \\
&:= 55/5 \times ((5^5 - 5)/5 - 5) \\
&:= (6 + 6) \times (6 + 6) + (6666 - 6/6) \\
&:= (7 \times ((7 + 7) \times (77 - 7) - 7)) - (7 + 7)/7 \\
&:= (8 + 8) \times (8 + 8) + ((88/8 - 8)^8 - 8) \\
&:= 99/9 \times ((9 - 999)/9) + 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6810 &:= (1 + 1 + 1) \times ((1 + 1)^{11} + (1 + 1) \times 111) \\
&:= (2/2 + 2) \times (2^{22/2} + 222) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} + 3^3))) + 3) \\
&:= 4 + (((4 - 4/4)^{4+4}) - 44/4) + 4^4 \\
&:= 5 + ((555 + 5^5) + 5^5) \\
&:= (6 + 6) \times (6 + 6) + 6666 \\
&:= (7 \times ((7 + 7) \times (77 - 7) - 7)) - 7/7 \\
&:= 8 + (((8/8 - 88) + 8) \times (((8 + 8)/8) - 88)) + 8 \\
&:= 9 + ((9 \times (((9 \times 9 \times 9 + 9) + 9) + 9)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6811 &:= 1 + ((1 + 1 + 1) \times ((1 + 1)^{11} + (1 + 1) \times 111)) \\
&:= 2/2 + ((2/2 + 2) \times (2^{22/2} + 222)) \\
&:= 3 + (((3 \times (3 \times (3^{3+3} + 3^3))) + 3/3) + 3) \\
&:= (44/4 \times (4/4 + 4)^4) - 4 \times 4 \times 4 \\
&:= 5 + (((555 + 5^5) + 5^5) + 5/5) \\
&:= 6/6 + ((6 + 6) \times (6 + 6) + 6666) \\
&:= 7 \times ((7 + 7) \times (77 - 7) - 7) \\
&:= 8 + (((8 + 8) \times (8 \times 8 \times 8 - 88)) + (88/8)) + 8 \\
&:= (9 - (9 + 9)/9) \times (9 \times (99 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6812 &:= (1 + 1 + 11) \times (1 + (11 + (1 + 1)^{11-1-1})) \\
&:= (22 + 2 + 2) \times (22^2 - 222) \\
&:= (3 \times ((3 \times (3^{3+3} + 3^3))) + 3) - 3/3 \\
&:= ((4 + 4) \times (4 \times (4^4 - 44) + 4)) - 4 \\
&:= 5 + (((5/5 + 5)^5 - (5 - 5/5)^5) + 55) \\
&:= 6 \times 6 + (((666 - 6)/6) + 6666) \\
&:= 7/7 + (7 \times ((7 + 7) \times (77 - 7) - 7)) \\
&:= 88 + (((8 + 8)/8) - 8) + 88)^{(8+8)/8} \\
&:= 9 + ((9 \times (((9 \times 9 \times 9 + 9) + 9) + 9)) - 9/9)
\end{aligned}$$

- ▶ **6813** := $(1+1+1) \times (1 + ((1+1)^{11} + (1+1) \times 111))$
:= $((2 \times ((2 \times 22) - 2))^2) - (22^2 + 2)/2$
:= $3 \times ((3 \times (3^{3+3} + 3^3)) + 3)$
:= $4^4 + (((4 - 4/4)^{4+4}) - 4)$
:= $5 + ((55/5 \times ((5^5 - 5)/5 - 5)) - 5/5)$
:= $6 \times 6 + (666/6 + 6666)$
:= $(7+7)/7 + (7 \times ((7+7) \times (77-7) - 7))$
:= $(8/8 + 8) \times (8 \times (88+8) - (88/8))$
:= $9 + (9 \times ((9 \times 9 \times 9 + 9) + 9) + 9)$
- ▶ **6814** := $1 + ((1+1+1) \times (1 + ((1+1)^{11} + (1+1) \times 111)))$
:= $((2 \times ((2 \times 22) - 2))^2) - 22^2/2$
:= $3/3 + (3 \times ((3 \times (3^{3+3} + 3^3)) + 3))$
:= $4/4 + (((4 - 4/4)^{4+4}) - 4) + 4^4$
:= $5 + (55/5 \times ((5^5 - 5)/5 - 5))$
:= $6 \times 6 + ((666 + 6)/6 + 6666)$
:= $(7+7+7)/7 + (7 \times ((7+7) \times (77-7) - 7))$
:= $((88+8) \times ((8 \times 8 - 8/8) + 8)) - (8+8)/8$
:= $9 + ((9 \times ((9 \times 9 \times 9 + 9) + 9) + 9) + 9/9)$
- ▶ **6815** := $((((11 \times (1+1+11))^{1+1}) - 1)/(1+1+1)) - 1$
:= $22/2 + ((2^{2+2} - 2) \times (22^2 + 2))$
:= $33/3 + (3 \times (3 \times (3^{3+3} + 3^3)))$
:= $4^4 + (((4 - 4/4)^{4+4}) - (4+4)/4)$
:= $5 \times 5 \times 5 \times 55 - 55 - 5$
:= $6 + ((6666 - 6/6) + (6+6) \times (6+6))$
:= $77/7 + ((7 \times ((7+7) \times (77-7) - 7)) - 7)$
:= $((88+8) \times ((8 \times 8 - 8/8) + 8)) - 8/8$
:= $9 + ((9/9 + 9 \times 9) \times (((9+9)/9) + 9 \times 9))$
- ▶ **6816** := $((((11 \times (1+1+11))^{1+1}) - 1)/(1+1+1))$
:= $2 \times ((22+2) \times (((2 \times (2+2+2))^2) - 2))$
:= $(3 - (3+3)^3) \times (3/3 - 33)$
:= $(4+4) \times (4 \times (4^4 - 44) + 4)$
:= $5^5 + ((555 + (55/5)) + 5^5)$
:= $6 + ((6+6) \times (6+6) + 6666)$
:= $(7 \times 7 - 7/7) \times (((7+7)/7)^7 + 7) + 7$
:= $(88+8) \times ((8 \times 8 - 8/8) + 8)$
:= $(99+9)/9 + (9 \times ((9 \times 9 \times 9 + 9) + 9) + 9)$
- ▶ **6817** := $1 + (((11 \times (1+1+11))^{1+1}) - 1)/(1+1+1)$
:= $2^{2 \times (2+2)} + (2/2 + 2)^{2 \times (2+2)}$
:= $3/3 + ((3 - (3+3)^3) \times (3/3 - 33))$
:= $4^4 + ((4 - 4/4)^{4+4})$
:= $5^5 + (((55+5)/5) + 555) + 5^5$
:= $(66/6 + 6) \times ((6 \times 66 - 6/6) + 6)$
:= $7 + ((7 \times ((7+7) \times (77-7) - 7)) - 7/7)$
:= $(8+8) \times (8+8) + (88/8 - 8)^8$
:= $9 \times 9 \times 9 \times 9 + (((9+9)/9)^{9-9/9})$
- ▶ **6818** := $1 + (1 + (((11 \times (1+1+11))^{1+1}) - 1)/(1+1+1))$
:= $(2 \times 22)^2 + (22 \times 222 - 2)$
:= $3 + ((3 \times (3 \times (3^{3+3} + 3^3))) + 33/3)$
:= $4/4 + (((4 - 4/4)^{4+4}) + 4^4)$
:= $5 \times 5 \times 5 \times 55 - ((5+5)/5 + 55)$
:= $6 \times 6 \times 6 + (6666 - ((6+6)/6)^6)$
:= $7 + (7 \times ((7+7) \times (77-7) - 7))$
:= $8/8 + ((88/8 - 8)^8 + (8+8) \times (8+8))$
:= $(9 - (9+9)/9) \times (9 \times (99+9) + ((9+9)/9))$
- ▶ **6819** := $((11-1) \times ((1 + (1+1)^{11})/(1+1+1))) - 11$
:= $2 + ((2/2 + 2)^{2 \times (2+2)} + 2^{2 \times (2+2)})$
:= $3 + ((3 - (3+3)^3) \times (3/3 - 33))$
:= $4^4 + (((4 - 4/4)^{4+4}) + (4+4)/4)$
:= $5 \times 5 \times 5 \times 55 - (55 + 5/5)$
:= $((6/6 - 66) \times (6 - 666/6)) - 6$
:= $7 + ((7 \times ((7+7) \times (77-7) - 7)) + 7/7)$
:= $88 + ((8 \times (8 \times (88+8+8) + 8)) + (88/8))$
:= $99 \times (9 \times 9 - 99/9) - 999/9$
- ▶ **6820** := $(11-1) \times (((1+1)^{11} - (1+1))/(1+1+1))$
:= $22 \times ((22 \times (2^{2+2} - 2)) + 2)$
:= $(3 - 3/3 + 3) \times ((33/3)^3 + 33)$
:= $44 \times (444/4 + 44)$
:= $55 \times (5 \times 5 \times 5 - 5/5)$
:= $((666 - 6)/6) \times (((6+6)/6 - 6) + 66)$
:= $7 + ((7 \times ((7+7) \times (77-7) - 7)) + ((7+7)/7))$
:= $(8 \times 8 - ((8+8)/8)) \times (888 - 8)/8$
:= $99/9 \times (((9+9)/9)^9 + 99) + 9$
- ▶ **6821** := $1 + ((11-1) \times (((1+1)^{11} - (1+1))/(1+1+1)))$
:= $2/2 + (22 \times 222 + (2 \times 22)^2)$
:= $((3 - 33)/3) + (33 \times ((3+3)^3 - 3 \times 3))$
:= $4 + (((4 - 4/4)^{4+4}) + 4^4)$
:= $5/5 + (55 \times (5 \times 5 \times 5 - 5/5))$
:= $66/6 + ((6+6) \times (6+6) + 6666)$
:= $((77-7)/7) + (7 \times ((7+7) \times (77-7) - 7))$
:= $8 + ((8/8 + 8) \times (8 \times (88+8) - (88/8)))$
:= $99 + ((9 \times ((9 \times 9 \times 9 + 9) + 9)) - 9/9)$
- ▶ **6822** := $((((11-1) \times (1+1)^{11}) - 11)/(1+1+1)) - 1$
:= $2 + (22 \times 222 + (2 \times 22)^2)$
:= $3 \times (((3 \times (3^{3+3} + 3^3)) + 3) + 3)$
:= $4 + (((4 - 4/4)^{4+4}) + 4/4) + 4^4$
:= $(5+5)/5 + (55 \times (5 \times 5 \times 5 - 5/5))$
:= $6 + (((6+6) \times (6+6) + 6666) + 6)$
:= $77/7 + (7 \times ((7+7) \times (77-7) - 7))$
:= $(8/8 + 8) \times ((8 - 88)/8 + 8 \times (88+8))$
:= $99 + (9 \times ((9 \times 9 \times 9 + 9) + 9))$
- ▶ **6823** := $((((11-1) \times (1+1)^{11}) - 11)/(1+1+1))$
:= $2 + ((22 \times 222 + (2 \times 22)^2) + 2/2)$
:= $((3 \times (3+3)) + 3/3)^3 - (33+3)$
:= $(44/4 \times ((4/4 + 4)^4 - 4)) - 4 - 4$
:= $(5 \times (5 \times 5 \times 55 - (5+5))) - (5+5)/5$
:= $6 + ((66/6 + 6) \times ((6 \times 66 - 6/6) + 6))$
:= $7 + ((7 \times 7 - 7/7) \times (((7+7)/7)^7 + 7) + 7)$
:= $(88+8) \times (8 \times 8 + 8) - (8/8 + 88)$
:= $99 + ((9/9 + 9 \times 9)^{(9+9)/9})$
- ▶ **6824** := $1 + (((11-1) \times (1+1)^{11}) - 11)/(1+1+1)$
:= $2 + ((22 \times 222 + (2 \times 22)^2) + 2)$
:= $3/3 + (((3 \times (3+3)) + 3/3)^3 - (33+3))$
:= $4 + (44 \times (444/4 + 44))$
:= $(5 \times (5 \times 5 \times 55 - (5+5))) - 5/5$
:= $((6/6 - 66) \times (6 - 666/6)) - 6/6$
:= $(7/7 + 7) \times (((77 \times 77 - 7)/7) + 7)$
:= $(88+8) \times (8 \times 8 + 8) - 88$
:= $9 + (((9/9 + 9 \times 9) \times (((9+9)/9) + 9 \times 9)) + 9)$
- ▶ **6825** := $((1 + ((11-1) \times (1+1)^{11})/(1+1+1)) - 1) - 1$
:= $(22/2 + 2) \times (((22 + 2/2)^2) - (2 + 2))$
:= $(33 \times ((3+3)^3 - 3 \times 3)) - 3 - 3$
:= $4 + (((4 - 4/4)^{4+4}) + 4^4) + 4$
:= $5 \times (5 \times 5 \times 55 - (5+5))$
:= $(6/6 - 66) \times (6 - 666/6)$
:= $7 + ((7 \times ((7+7) \times (77-7) - 7)) + 7)$
:= $8 + ((88/8 - 8)^8 + (8+8) \times (8+8))$
:= $999/9 + ((9 \times ((9 \times 9 \times 9 + 9) + 9)) - 9)$
- ▶ **6826** := $((((11-1) \times (1+1)^{11}) - (1+1))/(1+1+1))$
:= $22 + ((2^{2+2} - 2) \times (22^2 + 2))$
:= $((3 \times (3+3)) + 3/3)^3 - 33$
:= $4 + (((4 - 4/4)^{4+4}) + 4/4) + 4^4 + 4$
:= $5/5 + (5 \times (5 \times 5 \times 55 - (5+5)))$
:= $6/6 + ((6/6 - 66) \times (6 - 666/6))$
:= $7 + (((7 \times ((7+7) \times (77-7) - 7)) + 7/7) + 7)$
:= $(8+8)/8 + ((88+8) \times (8 \times 8 + 8) - 88)$
:= $9 + (((9+9)/9)^{9-9/9}) + 9 \times 9 \times 9 \times 9$
- ▶ **6827** := $(1 + ((11-1) \times (1+1)^{11})/(1+1+1))$
:= $2 + ((22/2 + 2) \times (((22 + 2/2)^2) - (2 + 2)))$
:= $3/3 + (((3 \times (3+3)) + 3/3)^3 - 33)$
:= $(44/4 \times ((4/4 + 4)^4 - 4)) - 4$
:= $(5+5)/5 + (5 \times (5 \times 5 \times 55 - (5+5)))$
:= $((66/6 + 6) \times (6 \times 66 + 6)) - 6/6 - 6$
:= $77 + ((7/7 + 7 \times 7) \times (((7+7)/7)^7 + 7))$
:= $88/8 + ((88+8) \times ((8 \times 8 - 8/8) + 8))$
:= $9 \times (9 \times 99 - 9) - 9999/9$

$$\begin{aligned}
\blacktriangleright 6828 &:= 1 + ((1 + ((11 - 1) \times (1 + 1)^{11})) / (1 + 1 + 1)) \\
&:= 2 + (((2^{2+2} - 2) \times (22^2 + 2)) + 22) \\
&:= (33 \times ((3 + 3)^3 - 3 \times 3)) - 3 \\
&:= 44 + (4 \times ((4 + 4) \times (4^4 - 44))) \\
&:= ((55 + 5) / 5) \times ((5^5 - 5) / 5 - 55) \\
&:= ((66 / 6 + 6) \times (6 \times 66 + 6)) - 6 \\
&:= 7 + ((7 \times ((7 + 7) \times (77 - 7) - 7)) + ((77 - 7) / 7)) \\
&:= 8 + ((8 \times 8 - ((8 + 8) / 8)) \times (888 - 8) / 8) \\
&:= 9 \times (9 \times 99 - 9) + ((9 - 9999) / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6829 &:= ((11 - 1) \times ((1 + (1 + 1)^{11}) / (1 + 1 + 1))) - 1 \\
&:= 2222 + ((2 \times ((2 \times (22 + 2))^2)) - 2 / 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3 / 3^3) - 33) \\
&:= 4 + (((((4 - 4 / 4)^{4+4}) + 4^4) + 4) + 4) \\
&:= 5 + ((5 \times (5 \times 5 \times 55 - (5 + 5))) - 5 / 5) \\
&:= 6 / 6 + (((66 / 6 + 6) \times (6 \times 66 + 6)) - 6) \\
&:= 7 + ((7 \times ((7 + 7) \times (77 - 7) - 7)) + (77 / 7)) \\
&:= (8 \times (8 \times (88 + 8) + 88)) - (88 / 8 + 8) \\
&:= 9 + ((99 / 9) \times (((9 + 9) / 9)^9 + 99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6830 &:= (11 - 1) \times ((1 + (1 + 1)^{11}) / (1 + 1 + 1)) \\
&:= 2222 + (2 \times ((2 \times (22 + 2))^2)) \\
&:= (33 \times ((3 + 3)^3 - 3 \times 3)) - 3 / 3 \\
&:= (44 / 4 \times ((4 / 4 + 4)^4 - 4)) - 4 / 4 \\
&:= 5 + (5 \times (5 \times 5 \times 55 - (5 + 5))) \\
&:= ((66 - 6) / 6) \times ((666 + (66 / 6)) + 6) \\
&:= ((7 + 7) \times (7 \times (77 - 7) + 7)) - ((7 + 7) / 7)^7 \\
&:= ((8 - 8 / 8) \times (888 + 88)) - (8 + 8) / 8 \\
&:= 999 + (9 \times 9 \times (9 \times 9 - 9) - 9 / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6831 &:= 1 + ((11 - 1) \times ((1 + (1 + 1)^{11}) / (1 + 1 + 1))) \\
&:= 22 / 2 \times (((2 / 2 + 2 + 2)^{2+2}) - (2 + 2)) \\
&:= 33 \times ((3 + 3)^3 - 3 \times 3) \\
&:= 44 / 4 \times ((4 / 4 + 4)^4 - 4) \\
&:= 55 / 5 \times ((5^5 + 5) / 5 - 5) \\
&:= 6 + ((6 / 6 - 66) \times (6 - 666 / 6)) \\
&:= (77 - (7 / 7 + 7)) \times (7 \times (7 + 7) + 7 / 7) \\
&:= (8 / 8 + 8) \times (8 \times (88 + 8) - (8 / 8 + 8)) \\
&:= 99 \times (9 \times 9 - (99 + 9) / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6832 &:= (1 + 111) \times ((1 + 11^{1+1}) / (1 + 1)) \\
&:= (2^{2+2} - 2) \times (22^2 + 2 + 2) \\
&:= (((3 \times (3 + 3)) + 3 / 3^3) - 3^3) \\
&:= 4 \times ((4 \times (444 - 4 \times 4)) - 4) \\
&:= 5 / 5 + (55 / 5 \times ((5^5 + 5) / 5 - 5)) \\
&:= (666 + 6) / 6 \times (66 - 6 + 6 / 6) \\
&:= (7 / 7 + 7) \times (777 + 77) \\
&:= (8 - 8 / 8) \times (888 + 88) \\
&:= 9 + (((9 / 9 + 9 \times 9)^{(9+9) / 9}) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6833 &:= 1 + ((1 + 111) \times ((1 + 11^{1+1}) / (1 + 1))) \\
&:= 2 / 2 + ((2^{2+2} - 2) \times (22^2 + 2 + 2)) \\
&:= 3 + ((33 \times ((3 + 3)^3 - 3 \times 3)) - 3 / 3) \\
&:= 4 \times 4 + (((4 - 4 / 4)^{4+4}) + 4^4) \\
&:= 5 + (((55 + 5) / 5) \times ((5^5 - 5) / 5 - 55)) \\
&:= ((66 / 6 + 6) \times (6 \times 66 + 6)) - 6 / 6 \\
&:= 7 / 7 + ((7 / 7 + 7) \times (777 + 77)) \\
&:= 8 / 8 + ((8 - 8 / 8) \times (888 + 88)) \\
&:= 99 + ((9 \times ((9 \times 9 \times 9 + 9) + 9)) + (99 / 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6834 &:= 1 + (1 + ((1 + 111) \times ((1 + 11^{1+1}) / (1 + 1)))) \\
&:= ((2 \times ((2 \times 22) - 2))^2) - 222 \\
&:= 3 + (33 \times ((3 + 3)^3 - 3 \times 3)) \\
&:= 4 + ((44 / 4 \times ((4 / 4 + 4)^4 - 4)) - 4 / 4) \\
&:= 5 \times 5 + (55 / 5 \times ((5^5 - 5) / 5 - 5)) \\
&:= (66 / 6 + 6) \times (6 \times 66 + 6) \\
&:= (7 + 7) / 7 + ((7 / 7 + 7) \times (777 + 77)) \\
&:= (8 + 8) / 8 + ((8 - 8 / 8) \times (888 + 88)) \\
&:= 999 / 9 + (9 \times ((9 \times 9 \times 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6835 &:= 111 + ((1 + (11 - 1 - 1)^{1+1})^{1+1}) \\
&:= 2 / 2 + (((2 \times ((2 \times 22) - 2))^2) - 222) \\
&:= 3 + (((3 \times (3 + 3)) + 3 / 3^3) - 3^3) \\
&:= 4 + (44 / 4 \times ((4 / 4 + 4)^4 - 4)) \\
&:= 5 + ((5 \times (5 \times 5 \times 55 - (5 + 5))) + 5) \\
&:= 6 / 6 + (((66 / 6 + 6) \times (6 \times 66 + 6)) \\
&:= (7 \times (7 + 7) \times (77 - 7)) - (77 / 7 + 7 + 7) \\
&:= 88 / 8 + ((88 + 8) \times (8 \times 8 + 8) - 88) \\
&:= 999 / 9 + ((9 / 9 + 9 \times 9)^{(9+9) / 9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6836 &:= ((11 \times (11 \times (1 + 1 + 111))) - 1) / (1 + 1) \\
&:= 2 + (((2 \times ((2 \times 22) - 2))^2) - 222) \\
&:= 3 + (((33 \times ((3 + 3)^3 - 3 \times 3)) - 3 / 3) + 3) \\
&:= 4 + (4 \times ((4 \times (444 - 4 \times 4)) - 4)) \\
&:= 5 + (55 / 5 \times ((5^5 + 5) / 5 - 5)) \\
&:= (6 + 6) / 6 + ((66 / 6 + 6) \times (6 \times 66 + 6)) \\
&:= 7 + (((7 \times ((7 + 7) \times (77 - 7) - 7)) + (77 / 7)) + 7) \\
&:= (8 \times (8 \times (88 + 8) + 88)) - (88 + 8) / 8 \\
&:= 9 + (9 \times (9 \times 99 - 9) - 9999 / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6837 &:= (1 + (11 \times (11 \times (1 + 1 + 111)))) / (1 + 1) \\
&:= ((22 - (2 / 2 + 2))^{2 / 2 + 2}) - 22 \\
&:= 3 + ((33 \times ((3 + 3)^3 - 3 \times 3)) + 3) \\
&:= 4 + (((4 - 4 / 4)^{4+4}) + 4 \times 4 + 4^4) \\
&:= (55 / 5 \times ((5^5 + 5 + 5) / 5 - 5)) - 5 \\
&:= 6 + (((6 / 6 - 66) \times (6 - 666 / 6)) + 6) \\
&:= 7 + (((7 + 7) \times (7 \times (77 - 7) + 7)) - ((7 + 7) / 7)^7) \\
&:= (8 \times 8 - 88 / 8) \times (8 \times (8 + 8) + 8 / 8) \\
&:= 9 + (((9 - 9999) / 9) + 9 \times (9 \times 99 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6838 &:= 1 + ((1 + (11 \times (11 \times (1 + 1 + 111)))) / (1 + 1)) \\
&:= (22 / 2 + 2) \times ((22 \times (22 + 2)) - 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3 / 3^3) - 3^3) + 3 \\
&:= (4 - 44) / 4 + (4 \times (4 \times (444 - 4 \times 4))) \\
&:= 5 \times 5 \times 5 \times 55 - (((5 + 5) / 5)^5 + 5) \\
&:= 6 + ((666 + 6) / 6 \times (66 - 6 + 6 / 6)) \\
&:= 7 + ((77 - (7 / 7 + 7)) \times (7 \times (7 + 7) + 7 / 7)) \\
&:= (8 - 88) / 8 + (8 \times (8 \times (88 + 8) + 88)) \\
&:= 9 + (((99 / 9) \times (((9 + 9) / 9)^9 + 99) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6839 &:= ((11 - 1) \times (1 + ((1 + (1 + 1)^{11}) / (1 + 1 + 1)))) - 1 \\
&:= 2 + (((22 - (2 / 2 + 2))^{2 / 2 + 2}) - 22) \\
&:= 3 \times 3 + ((33 \times ((3 + 3)^3 - 3 \times 3)) - 3 / 3) \\
&:= 4 + ((44 / 4 \times ((4 / 4 + 4)^4 - 4)) + 4) \\
&:= (5 \times (5 \times 5 \times 55 - 5)) - 55 / 5 \\
&:= ((66 - 6) \times (6 \times (6 + 6 + 6) + 6)) - 6 / 6 \\
&:= 7 + ((7 / 7 + 7) \times (777 + 77)) \\
&:= (8 - 8 / 8) \times ((88 \times 88 + 8) / 8) + 8 \\
&:= 9 + ((9 \times 9 \times (9 \times 9 - 9) - 9 / 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6840 &:= (11 - 1) \times (1 + ((1 + (1 + 1)^{11}) / (1 + 1 + 1))) \\
&:= 2 \times ((22 - 2) \times (((22 / 2 + 2)^2) + 2)) \\
&:= 3 \times ((3 \times ((3^{3+3} + 3^3) + 3)) + 3) \\
&:= (4 + 4) \times (4444 / 4 - 4^4) \\
&:= (5 \times (5 \times 5 \times 55 - 5)) - 5 - 5 \\
&:= (66 - 6) \times (6 \times (6 + 6 + 6) + 6) \\
&:= (7 / 7 + 7) \times (((77 \times 77 + 7) / 7) + 7) \\
&:= (8 / 8 + 8) \times (8 \times (88 + 8) - 8) \\
&:= 9 + (9 \times 9 \times (9 \times 9 - 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6841 &:= 1 + ((11 - 1) \times (1 + ((1 + (1 + 1)^{11}) / (1 + 1 + 1)))) \\
&:= ((22 - 2 / 2)^2) + ((2 \times 2 \times (22 - 2))^2) \\
&:= (((3 \times (3 + 3)) + 3 / 3^3) - (3 \times (3 + 3))) \\
&:= 4444 + (((4 - 4 / 4) + 4)^4) - 4 \\
&:= 5 + ((55 / 5 \times ((5^5 + 5) / 5 - 5)) + 5) \\
&:= 6 / 6 + ((66 - 6) \times (6 \times (6 + 6 + 6) + 6)) \\
&:= (7 \times (7 + 7) \times (77 - 7)) - ((77 + 7) / 7 + 7) \\
&:= 8 / 8 + ((8 / 8 + 8) \times (8 \times (88 + 8) - 8)) \\
&:= ((9 / 9 + 9 + 9)^{(9+9+9) / 9}) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6842 &:= 11 \times (11 + (1 + 11 \times 111)) / (1 + 1) \\
&:= 22 \times ((2^{2+2} + 2 / 2)^2) + 22 \\
&:= 33 / 3 + (33 \times ((3 + 3)^3 - 3 \times 3)) \\
&:= 44 / 4 \times (((4 / 4 + 4)^4 - 4) + 4 / 4) \\
&:= 55 / 5 \times ((5^5 + 5 + 5) / 5 - 5) \\
&:= 66 + (((666 - 6) / 6) + 6666) \\
&:= (7 \times (7 + 7) \times (77 - 7)) - (77 / 7 + 7) \\
&:= (8 + 8) / 8 + ((8 / 8 + 8) \times (8 \times (88 + 8) - 8)) \\
&:= 99 / 9 + (9 \times 9 \times (9 \times 9 - 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6843 &:= 1 + (11 \times (11 + (1 + 11 \times 111)/(1 + 1))) \\
&:= (((2/2 + 2)^{2+2} + 2)^2) - (2 \times 22 + 2) \\
&:= 3 + ((33 \times ((3 + 3)^3 - 3 \times 3)) + 3 \times 3) \\
&:= (4 \times 4 \times 444) - ((4/4 + 4^4) + 4) \\
&:= 5 \times 5 \times 5 \times 55 - ((5 + 5)/5)^5 \\
&:= 66 + (666/6 + 6666) \\
&:= 77/7 + ((7/7 + 7) \times (777 + 77)) \\
&:= ((88/8 + 8)^{88/8-8}) - 8 - 8 \\
&:= 9 + ((9 \times ((9 \times 9 \times 9 + 9) + 9)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6848 &:= (((1 + 1) \times (11 - 1)) - 1)^{1+1+1} - 11 \\
&:= 2 \times (2 \times ((2 \times 22)^2 - (222 + 2))) \\
&:= (((3 \times (3 + 3)) + 3/3)^3) - 33/3 \\
&:= 4 \times (4 \times (444 - 4 \times 4)) \\
&:= (5 \times (5 \times 5 \times 55 - 5)) - (5 + 5)/5 \\
&:= ((6 + 6)/6)^6 \times (6 \times (6 + 6 + 6) - 6/6) \\
&:= (7 \times (7 + 7) \times (77 - 7)) - (77 + 7)/7 \\
&:= 8 \times (8 \times (88 + 8) + 88) \\
&:= (9 - 9/9) \times ((9 - 9/9) \times ((99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6853 &:= 11 \times (111 + (1 + 1)^{11-1-1}) \\
&:= 22/2 \times (((2/2 + 2 + 2)^{2+2}) - 2) \\
&:= (((3 \times (3 + 3)) + 3/3)^3) - 3 - 3 \\
&:= 4 + ((4 \times (4 \times (444 - 4 \times 4))) + 4/4) \\
&:= 55/5 \times (5^5 - 5 - 5)/5 \\
&:= (((6/6 + 6 + 6) + 6)^{6 \times 6/(6+6)}) - 6 \\
&:= (7 \times (7 + 7) \times (77 - 7)) - 7 \\
&:= (8/8 + 88) \times (88 - 88/8) \\
&:= 99/9 \times (999/9 + ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6844 &:= (((111 + ((1 + 1) \times (1 + 1 + 1)))^{1+1}) - 1)/(1 + 1) \\
&:= 2 \times ((2 \times (2 \times (22 - 2))^2) + 222) \\
&:= 3 + (((3 \times (3 + 3)) + 3/3)^3) - (3 \times (3 + 3)) \\
&:= (4 \times 4 \times 444) - (4^4 + 4) \\
&:= (5 \times (5 \times 5 \times 55 - 5)) - (5/5 + 5) \\
&:= 66 + ((666 + 6)/6 + 6666) \\
&:= ((7 + 7)/7) \times (7 \times 7 \times (77 - 7) - (7/7 + 7)) \\
&:= 88 \times 88 - (((88 + 8)/8) + 888) \\
&:= 9 + (((9/9 + 9 \times 9)^{(9+9)/9}) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6849 &:= 1 + (((1 + 1) \times (11 - 1)) - 1)^{1+1+1} - 11 \\
&:= (2 \times (2 - 22)) + (((2/2 + 2)^{2+2} + 2)^2) \\
&:= 3 \times ((3 \times (3^{3+3} + 33)) - 3) \\
&:= 4/4 + (4 \times (4 \times (444 - 4 \times 4))) \\
&:= (5 \times (5 \times 5 \times 55 - 5)) - 5/5 \\
&:= 6 + ((666/6 + 6666) + 66) \\
&:= (7 \times (7 + 7) \times (77 - 7)) - 77/7 \\
&:= 8/8 + (8 \times (8 \times (88 + 8) + 88)) \\
&:= 99 \times (9 \times 9 - 99/9) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6854 &:= 1 + (11 \times (111 + (1 + 1)^{11-1-1})) \\
&:= (2 \times (2 \times ((2 \times 22)^2 - 222))) - 2 \\
&:= 3/3 + (((3 \times (3 + 3)) + 3/3)^3) - (3 + 3) \\
&:= 4 + ((4 \times (4 \times (444 - 4 \times 4))) + (4 + 4)/4) \\
&:= 5 + ((5 \times (5 \times 5 \times 55 - 5)) - 5/5) \\
&:= 6 + (((6 + 6)/6)^6 \times (6 \times (6 + 6 + 6) - 6/6)) \\
&:= 7/7 + ((7 \times (7 + 7) \times (77 - 7)) - 7) \\
&:= 88 \times 88 - (888 + ((8 + 8)/8)) \\
&:= 9 \times 9 + (((99 + 9 + 9)/9) \times (((9 + 9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6845 &:= 11^{1+1} + ((1 + (11 - 1 - 1)^{1+1})^{1+1}) \\
&:= (((2/2 + 2)^{2+2} + 2)^2) - (2 \times 22) \\
&:= (((3 \times (3 + 3)) + 3/3)^3) - (33/3 + 3) \\
&:= 4444 + (((4 - 4/4) + 4)^4) \\
&:= (5 \times (5 \times 5 \times 55 - 5)) - 5 \\
&:= (6 - 6/6) \times ((6 \times 6 + 6/6)^{(6+6)/6}) \\
&:= (7 \times (7 + 7) \times (77 - 7)) - (7/7 + 7 + 7) \\
&:= 88 \times 88 - (888 + 88/8) \\
&:= 9 + ((9 \times (9 \times 99 - 9) - 9999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6850 &:= 1 + (1 + (((1 + 1) \times (11 - 1)) - 1)^{1+1+1} - 11) \\
&:= 2 + (2 \times (2 \times ((2 \times 22)^2 - (222 + 2)))) \\
&:= (((3 \times (3 + 3)) + 3/3)^3) - 3 \times 3 \\
&:= (4 + 4)/4 + (4 \times (4 \times (444 - 4 \times 4))) \\
&:= 5 \times (5 \times 5 \times 55 - 5) \\
&:= 6 + (((666 + 6)/6 + 6666) + 66) \\
&:= ((7 - 77)/7) + (7 \times (7 + 7) \times (77 - 7)) \\
&:= (8 + 8)/8 + (8 \times (8 \times (88 + 8) + 88)) \\
&:= ((9/9 + 9 + 9)^{(9+9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6855 &:= 1 + (1 + (11 \times (111 + (1 + 1)^{11-1-1}))) \\
&:= ((22 - (2/2 + 2))^{2/2+2}) - 2 - 2 \\
&:= (3 \times (3 \times (3^{3+3} + 33))) - 3 \\
&:= (((44/4 + 4) + 4)^{4-4/4}) - 4 \\
&:= 5 + (5 \times (5 \times 5 \times 55 - 5)) \\
&:= 6 + (((666/6 + 6666) + 66) + 6) \\
&:= (7 + 7)/7 + ((7 \times (7 + 7) \times (77 - 7)) - 7) \\
&:= 88 \times 88 - (888 + 8/8) \\
&:= 9 \times 9 \times 9 \times 9 + (((9 + 9 + 9)/9) \times (99 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6846 &:= (((1 + 1) \times (11 - 1)) - 1)^{1+1+1} - 1 - 1 - 11 \\
&:= (2/2 + 2) \times (((2 \times (22 + 2))^2) - 22) \\
&:= (3 \times ((3 \times (3^{3+3} + 33)) - 3)) - 3 \\
&:= (4 \times 4 \times 444) - ((4 + 4)/4 + 4^4) \\
&:= 5/5 + ((5 \times (5 \times 5 \times 55 - 5)) - 5) \\
&:= 6 \times (6 \times 6 - 6) + 6666 \\
&:= (7 + 7) \times (7 \times (77 - 7) - 7/7) \\
&:= (8 \times (8 \times (88 + 8) + 88)) - (8 + 8)/8 \\
&:= (9 - (9 + 9)/9) \times (999 - ((99 + 9)/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6851 &:= (1 + 1 + 11) \times ((1 + 11 + 11)^{1+1} - (1 + 1)) \\
&:= (22/2 + 2) \times ((22 + 2/2)^2 - 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3/3)^3) - 33/3 \\
&:= 4 + ((4 \times 4 \times 444) - (4/4 + 4^4)) \\
&:= 5/5 + (5 \times (5 \times 5 \times 55 - 5)) \\
&:= (66/6 + 6) \times ((6 \times 66 + 6/6) + 6) \\
&:= (7 \times (7 + 7) \times (77 - 7)) - ((7 + 7)/7 + 7) \\
&:= ((88/8 + 8)^{88/8-8}) - 8 \\
&:= ((99 - 9/9) \times (9 \times 9 - 99/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6856 &:= (((1 + 1) \times (11 - 1)) - 1)^{1+1+1} - 1 - 1 - 1 \\
&:= 2 \times (2 \times ((2 \times 22)^2 - 222)) \\
&:= (((3 \times (3 + 3)) + 3/3)^3) - 3 \\
&:= 4 + ((4 \times (4 \times (444 - 4 \times 4))) + 4) \\
&:= 5 + ((5 \times (5 \times 5 \times 55 - 5)) + 5/5) \\
&:= ((66 - 6)/6) + (6 \times (6 \times 6 - 6) + 6666) \\
&:= 7 + ((7 \times (7 + 7) \times (77 - 7)) - (77/7)) \\
&:= 88 \times 88 - 888 \\
&:= 9 \times 9 \times (9 \times 9 - 9) + (((9 + 9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6847 &:= (((1 + 1) \times (11 - 1)) - 1)^{1+1+1} - 1 - 11 \\
&:= 2 + (((2/2 + 2)^{2+2} + 2)^2) - (2 \times 22) \\
&:= (((3 \times (3 + 3)) + 3/3)^3) - (3 \times 3 + 3) \\
&:= (4 \times 4 \times 444) - (4/4 + 4^4) \\
&:= 5 + (55/5 \times ((5^5 + 5 + 5)/5 - 5)) \\
&:= 6/6 + (6 \times (6 \times 6 - 6) + 6666) \\
&:= 7/7 + ((7 + 7) \times (7 \times (77 - 7) - 7/7)) \\
&:= (8 \times (8 \times (88 + 8) + 88)) - 8/8 \\
&:= 999 + ((9 - 9/9) \times (9 \times 9 \times 9 + ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6852 &:= (11 \times (111 + (1 + 1)^{11-1-1})) - 1 \\
&:= 2 \times (2 \times ((2 \times 22)^2 - 222)) - 2 \\
&:= 3 + (3 \times ((3 \times (3^{3+3} + 33)) - 3)) \\
&:= 4 + (4 \times (4 \times (444 - 4 \times 4))) \\
&:= (5 + 5)/5 + (5 \times (5 \times 5 \times 55 - 5)) \\
&:= 6 + (6 \times (6 \times 6 - 6) + 6666) \\
&:= (7 \times (7 + 7) \times (77 - 7)) - (7/7 + 7) \\
&:= 8/8 + (((88/8 + 8)^{88/8-8}) - 8) \\
&:= 99 + (9 \times (9 \times 9 \times 9 + 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6857 &:= (((1 + 1) \times (11 - 1)) - 1)^{1+1+1} - 1 - 1 \\
&:= ((22 - (2/2 + 2))^{2/2+2}) - 2 \\
&:= 3/3 + (((3 \times (3 + 3)) + 3/3)^3) - 3 \\
&:= 44 + (((4 - 4/4)^{4+4}) - 4) + 4^4 \\
&:= 5 + ((5 \times (5 \times 5 \times 55 - 5)) + ((5 + 5)/5)) \\
&:= 6 + ((66/6 + 6) \times ((6 \times 66 + 6/6) + 6)) \\
&:= (7 \times (7 + 7) \times (77 - 7)) - (7 + 7 + 7)/7 \\
&:= 8/8 + (88 \times 88 - 888) \\
&:= 9 \times 9 \times 9 \times 9 + ((99 \times (9 + 9 + 9) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6858 &:= (((1+1) \times (11-1)) - 1)^{1+1+1} - 1 \\
&:= 2 + (2 \times (2 \times ((2 \times 22)^2 - 222))) \\
&:= 3 \times (3 \times (3^{3+3} + 33)) \\
&:= (44/4 + 4 \times 4) \times (4^4 - (4+4)/4) \\
&:= 5 + (55/5 \times (5^5 - 5 - 5)/5) \\
&:= (66 \times (((666 - 6)/6) - 6)) - 6 \\
&:= (7 \times (7+7) \times (77-7)) - (7+7)/7 \\
&:= (8+8)/8 + (88 \times 88 - 888) \\
&:= (9 \times (9 \times 99 - (9+9))) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6859 &:= (((1+1) \times (11-1)) - 1)^{1+1+1} \\
&:= (22 - (2/2 + 2))^{2/2+2} \\
&:= ((3 \times (3+3)) + 3/3)^3 \\
&:= ((44/4 + 4) + 4)^{4-4/4} \\
&:= (55/5 \times (5^5 - 5)/5) - 5 \\
&:= ((6/6 + 6 + 6) + 6)^{6 \times 6/(6+6)} \\
&:= (7 \times (7+7) \times (77-7)) - 7/7 \\
&:= (88/8 + 8)^{88/8-8} \\
&:= (9/9 + 9 + 9)^{(9+9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6860 &:= 1 + (((1+1) \times (11-1)) - 1)^{1+1+1} \\
&:= 2 \times ((2 \times ((2 \times 22)^2 - 222)) + 2) \\
&:= 3/3 + (((3 \times (3+3)) + 3/3)^3) \\
&:= (44 \times (4 \times (44-4) - 4)) - 4 \\
&:= 5 + ((5 \times (5 \times 5 \times 55 - 5)) + 5) \\
&:= 6/6 + (((6/6 + 6 + 6) + 6)^{6 \times 6/(6+6)}) \\
&:= 7 \times (7+7) \times (77-7) \\
&:= 8/8 + ((88/8 + 8)^{88/8-8}) \\
&:= (99 - 9/9) \times (9 \times 9 - 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6861 &:= 1 + (1 + (((1+1) \times (11-1)) - 1)^{1+1+1}) \\
&:= 2 + ((22 - (2/2 + 2))^{2/2+2}) \\
&:= 3 + (3 \times (3 \times (3^{3+3} + 33))) \\
&:= 44 + (((4 - 4/4)^{4+4}) + 4^4) \\
&:= 55/5 + (5 \times (5 \times 5 \times 55 - 5)) \\
&:= 6 \times 6 + ((6/6 - 66) \times (6 - 666/6)) \\
&:= 7/7 + (7 \times (7+7) \times (77-7)) \\
&:= 8 + ((8/8 + 88) \times (88 - 88/8)) \\
&:= 9/9 + ((99 - 9/9) \times (9 \times 9 - 99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6862 &:= 1 + (1 + (1 + (((1+1) \times (11-1)) - 1)^{1+1+1})) \\
&:= (22 \times ((22+2) \times (22/2+2))) - 2 \\
&:= 3 + (((3 \times (3+3)) + 3/3)^3) \\
&:= (44 \times (4 \times (44-4) - 4)) - (4+4)/4 \\
&:= ((55+5)/5) + (5 \times (5 \times 5 \times 55 - 5)) \\
&:= (66 \times (6 \times 6 + 6)) + (((6+6)/6)^{6+6}) - 6 \\
&:= (7+7)/7 + (7 \times (7+7) \times (77-7)) \\
&:= 8 + (88 \times 88 - (888 + ((8+8)/8))) \\
&:= 9999/9 + 9 \times (9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6863 &:= (11 \times ((1 + (1+1) \times (1+11))^{1+1} - 1)) - 1 \\
&:= 2 + (((22 - (2/2 + 2))^{2/2+2}) + 2) \\
&:= 3 + (((3 \times (3+3)) + 3/3)^3) + 3/3 \\
&:= 4 + (((44/4 + 4) + 4)^{4-4/4}) \\
&:= 5 \times 5 \times 5 \times 55 - (55+5)/5 \\
&:= (66 \times (((666 - 6)/6) - 6)) - 6/6 \\
&:= (7+7+7)/7 + (7 \times (7+7) \times (77-7)) \\
&:= 8 + (88 \times 88 - (888 + 8/8)) \\
&:= 99 \times (9 \times 9 - 9) - (((9+9)/9)^{9-9/9} + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6864 &:= 11 \times ((1 + (1+1) \times (1+11))^{1+1} - 1) \\
&:= 22 \times ((22+2) \times (22/2+2)) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} + 33))) + 3) \\
&:= 44 \times (4 \times (44-4) - 4) \\
&:= 55/5 \times (5^5 - 5)/5 \\
&:= 66 \times (((666 - 6)/6) - 6) \\
&:= (7/7 + 77) \times (77/7 + 77) \\
&:= 8 + (88 \times 88 - 888) \\
&:= (99 - (99/9)) \times (9 \times 9 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6865 &:= 1 + (11 \times ((1 + (1+1) \times (1+11))^{1+1} - 1)) \\
&:= (((2/2 + 2)^{2+2} + 2)^2) - 22 - 2 \\
&:= 3 + (((3 \times (3+3)) + 3/3)^3) + 3 \\
&:= 4/4 + (44 \times (4 \times (44-4) - 4)) \\
&:= 5 \times 5 \times 5 \times 55 - 5 - 5 \\
&:= 6 + (((6/6 + 6 + 6) + 6)^{6 \times 6/(6+6)}) \\
&:= 7 + ((7 \times (7+7) \times (77-7)) - ((7+7)/7)) \\
&:= 8 + ((88 \times 88 - 888) + 8/8) \\
&:= 9 + (((9+9)/9)^{9/9+9} + 9 \times 9 \times (9 \times 9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6866 &:= 1 + (1 + (11 \times ((1 + (1+1) \times (1+11))^{1+1} - 1))) \\
&:= 2 + (22 \times ((22+2) \times (22/2+2))) \\
&:= 3 + (((3 \times (3+3)) + 3/3)^3) + 3/3 + 3 \\
&:= (4+4)/4 + (44 \times (4 \times (44-4) - 4)) \\
&:= 5/5 + (5 \times 5 \times 5 \times 55 - (5+5)) \\
&:= (6+6)/6 + (66 \times (((666 - 6)/6) - 6)) \\
&:= 7 + ((7 \times (7+7) \times (77-7)) - 7/7) \\
&:= 8 + ((88 \times 88 - 888) + ((8+8)/8)) \\
&:= ((9 - (9+9)/9) \times (9 \times (99+9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6867 &:= (1 + 1 + 1) \times ((11 + (11-1)) \times (111 - 1 - 1)) \\
&:= (((2/2 + 2)^{2+2} + 2)^2) - 22 \\
&:= 3 \times ((3 \times (3^{3+3} + 33)) + 3) \\
&:= (44/4 \times (4/4 + 4)^4) - 4 - 4 \\
&:= (5+5)/5 + (5 \times 5 \times 5 \times 55 - (5+5)) \\
&:= 6666 + ((6 \times 66 + 6)/(6+6)/6) \\
&:= 7 + (7 \times (7+7) \times (77-7)) \\
&:= 8 + ((88/8 + 8)^{88/8-8}) \\
&:= (9 - (9+9)/9) \times (9 \times (99+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6868 &:= (1+1) \times ((1+1) \times (((1+11)^{1+1+1} - 11)) \\
&:= 2 \times (((2+2+2) \times ((22+2)^2)) - 22) \\
&:= 3 \times 3 + (((3 \times (3+3)) + 3/3)^3) \\
&:= 4 + (44 \times (4 \times (44-4) - 4)) \\
&:= 5 \times 5 \times 5 \times 55 - ((5+5)/5 + 5) \\
&:= (66 \times (6 \times 6 + 6)) + (((6+6)/6)^{6+6}) \\
&:= 7 + ((7 \times (7+7) \times (77-7)) + 7/7) \\
&:= 8 + (((88/8 + 8)^{88/8-8}) + 8/8) \\
&:= 9 + ((9/9 + 9 + 9)^{(9+9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6869 &:= 11 + (((1+1) \times (11-1)) - 1)^{1+1+1} - 1 \\
&:= 2 + (((2/2 + 2)^{2+2} + 2)^2) - 22 \\
&:= 3 \times 3 + (((3 \times (3+3)) + 3/3)^3) + 3/3 \\
&:= 4 + ((44 \times (4 \times (44-4) - 4)) + 4/4) \\
&:= 5 + (55/5 \times (5^5 - 5)/5) \\
&:= 6 + ((66 \times (((666 - 6)/6) - 6)) - 6/6) \\
&:= 7 + ((7 \times (7+7) \times (77-7)) + ((7+7)/7)) \\
&:= 8 + (((8/8 + 88) \times (88 - 88/8)) + 8) \\
&:= 9 + ((99 - 9/9) \times (9 \times 9 - 99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6870 &:= 11 + (((1+1) \times (11-1)) - 1)^{1+1+1} \\
&:= 2 + (2 \times ((2+2+2) \times ((22+2)^2)) - 22) \\
&:= 3 + (3 \times ((3 \times (3^{3+3} + 33)) + 3)) \\
&:= (44/4 \times (4/4 + 4)^4) - 4/4 - 4 \\
&:= 5 \times 5 \times 5 \times 55 - 5 \\
&:= 6 + (66 \times (((666 - 6)/6) - 6)) \\
&:= ((77-7)/7) + (7 \times (7+7) \times (77-7)) \\
&:= 88/8 + ((88/8 + 8)^{88/8-8}) \\
&:= 99/9 + ((9/9 + 9 + 9)^{(9+9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6871 &:= 1 + (11 + (((1+1) \times (11-1)) - 1)^{1+1+1}) \\
&:= 2 + (((2/2 + 2)^{2+2} + 2)^2) - 22 + 2 \\
&:= 3 + (((3 \times (3+3)) + 3/3)^3) + 3 \times 3 \\
&:= (44/4 \times (4/4 + 4)^4) - 4 \\
&:= 5/5 + (5 \times 5 \times 5 \times 55 - 5) \\
&:= 6 \times 6 \times 6 + (6666 - (66/6)) \\
&:= 77/7 + (7 \times (7+7) \times (77-7)) \\
&:= 8 + ((88 \times 88 - (888 + 8/8)) + 8) \\
&:= (((9+9)/9) + 9 \times 9)^{(9+9)/9} - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6872 &:= 1 + (1 + (11 + (((1+1) \times (11-1)) - 1)^{1+1+1})) \\
&:= 2 \times (((2+2+2) \times ((22+2)^2)) - 22) + 2 \\
&:= 3 + (((3 \times (3+3)) + 3/3)^3) + 3 \times 3 + 3/3 \\
&:= 4 + ((44 \times (4 \times (44-4) - 4)) + 4) \\
&:= (5+5)/5 + (5 \times 5 \times 5 \times 55 - 5) \\
&:= 6 \times 6 \times 6 + (((6 - 66)/6) + 6666) \\
&:= (77+7)/7 + (7 \times (7+7) \times (77-7)) \\
&:= 8 + ((88 \times 88 - 888) + 8) \\
&:= 99 \times (9 \times 9 - 9) - (((9+9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6873 &:= (11 \times (1 + (1 + 1) \times (1 + 11))^{1+1}) - 1 - 1 \\
&:= (((2/2 + 2)^{2+2} + 2)^2) - 2^{2+2} \\
&:= 3 + ((3 \times ((3 \times (3^{3+3} + 33)) + 3)) + 3) \\
&:= (44/4 \times (4/4 + 4)^4) - (4 + 4)/4 \\
&:= 5 \times 5 \times 5 \times 55 - (5 + 5)/5 \\
&:= 6 + (((6 \times 66 + 6)/(6 + 6)/6) + 6666) \\
&:= 7 + (((7 \times (7 + 7) \times (77 - 7)) - 7/7) + 7) \\
&:= (8/8 - 88) \times ((8/8 - 88) + 8) \\
&:= 9 \times 9 \times 9 + ((99 + 9)/9 \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6874 &:= (11 \times (1 + (1 + 1) \times (1 + 11))^{1+1}) - 1 \\
&:= (22/2 \times ((2/2 + 2 + 2)^{2+2})) - 2/2 \\
&:= 3 + (((((3 \times (3 + 3)) + 3/3)^3) + 3 \times 3) + 3) \\
&:= (44/4 \times (4/4 + 4)^4) - 4/4 \\
&:= 5 \times 5 \times 5 \times 55 - 5/5 \\
&:= 6 + ((66 \times (6 \times 6 + 6)) + (((6 + 6)/6)^{6+6})) \\
&:= 7 + ((7 \times (7 + 7) \times (77 - 7)) + 7) \\
&:= (888/8 \times (8 \times 8 - ((8 + 8)/8))) - 8 \\
&:= (9 + 9) \times (9 + 9) + (9 \times 9 \times 9 \times 9 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6875 &:= 11 \times (1 + (1 + 1) \times (1 + 11))^{1+1} \\
&:= 22/2 \times ((2/2 + 2 + 2)^{2+2}) \\
&:= 33/3 \times ((3 - 3/3 + 3)^{3/3+3}) \\
&:= 44/4 \times (4/4 + 4)^4 \\
&:= 5 \times 5 \times 5 \times 55 \\
&:= 6 \times 6 \times 6 + (6666 - (6/6 + 6)) \\
&:= 7 + (((7 \times (7 + 7) \times (77 - 7)) + 7/7) + 7) \\
&:= 8 + (((88/8 + 8)^{88/8-8}) + 8) \\
&:= (9 + 9) \times (9 + 9) + (9 \times 9 \times 9 \times 9 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6876 &:= 1 + (11 \times (1 + (1 + 1) \times (1 + 11))^{1+1}) \\
&:= (2 + 2 + 2) \times ((2 \times (((22 + 2)^2) - 2)) - 2) \\
&:= 3 \times (((3 \times (3^{3+3} + 33)) + 3) + 3) \\
&:= ((44 - 4) \times (4 \times 44 - 4)) - 4 \\
&:= 5/5 + 5 \times 5 \times 5 \times 55 \\
&:= 6 \times ((6 \times 6 \times (6 \times 6 - 6)) + 66) \\
&:= 7 + (((7 \times (7 + 7) \times (77 - 7)) + ((7 + 7)/7)) + 7) \\
&:= (8/8 + 8) \times (8 \times (88 + 8) - 8 \times 8/(8 + 8)) \\
&:= (9 + 9) \times (9 + 9) + (9 \times 9 \times 9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6877 &:= (1 + 1 + 11) \times (1 + 11 + 11)^{1+1} \\
&:= (22/2 + 2) \times ((22 + 2/2)^2) \\
&:= (3 \times (3 + 3)) + (((3 \times (3 + 3)) + 3/3)^3) \\
&:= 4/4 + (((44 - 4) \times (4 \times 44 - 4)) - 4) \\
&:= (5 + 5)/5 + 5 \times 5 \times 5 \times 55 \\
&:= 6/6 + ((6666 - 6) + 6 \times 6 \times 6) \\
&:= 7 + ((7 \times (7 + 7) \times (77 - 7)) + ((77 - 7)/7)) \\
&:= (8 \times (888 - 8 - 8)) - (88/8 + 88) \\
&:= 9 + (((9/9 + 9 + 9)^{(9+9+9)/9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6878 &:= 1 + ((1 + 1 + 11) \times (1 + 11 + 11))^{1+1} \\
&:= (((2/2 + 2)^{2+2} + 2)^2) - 22/2 \\
&:= 3 + (33/3 \times ((3 - 3/3 + 3)^{3/3+3})) \\
&:= 4 + ((44/4 \times (4/4 + 4)^4) - 4/4) \\
&:= 5 + (5 \times 5 \times 5 \times 55 - ((5 + 5)/5)) \\
&:= 6 \times 6 \times 6 + ((6666 - 6) + ((6 + 6)/6)) \\
&:= 7 + ((7 \times (7 + 7) \times (77 - 7)) + (77/7)) \\
&:= ((88 - 8) \times (88 - ((8 + 8)/8))) - (8 + 8)/8 \\
&:= 9 + (((99 - 9/9) \times (9 \times 9 - 99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6879 &:= 1 + (1 + ((1 + 1 + 11) \times (1 + 11 + 11))^{1+1}) \\
&:= 2 + ((22/2 + 2) \times ((22 + 2/2)^2)) \\
&:= ((3/3 + 3) \times (3 \times 3 + 3)^3) - 33 \\
&:= 4 + (44/4 \times (4/4 + 4)^4) \\
&:= 5 + (5 \times 5 \times 5 \times 55 - 5/5) \\
&:= 6 \times 6 \times 6 + (6666 - (6 \times 6/(6 + 6))) \\
&:= (77 \times (77 + 7 + 7)) - ((7 + 7)/7)^7 \\
&:= ((88 - 8) \times (88 - ((8 + 8)/8))) - 8/8 \\
&:= (((9 + 9)/9) + 9 \times 9)^{(9+9)/9} - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6880 &:= (1 + 1) \times ((11 - 1) \times (11 + (1 + 1 + 1) \times 111)) \\
&:= 2 \times (2 \times ((2 - 22) \times (2 - 2 \times 2 \times 22))) \\
&:= (33 - 3/3) \times ((3 + 3)^3 - 3/3) \\
&:= (44 - 4) \times (4 \times 44 - 4) \\
&:= 5 + 5 \times 5 \times 5 \times 55 \\
&:= 6 \times 6 \times 6 + (6666 - ((6 + 6)/6)) \\
&:= ((7 - 7/7 + 7) + 7) \times (7 \times 7 \times 7 + 7/7) \\
&:= (88 - 8) \times (88 - ((8 + 8)/8)) \\
&:= (((9 + 9)/9) + 9 \times 9)^{(9+9)/9} - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6881 &:= (111 \times (1 + ((1 + 11)^{1+1})/(1 + 1))) - 1 \\
&:= 22 + ((22 - (2/2 + 2))^{2/2+2}) \\
&:= 3/3 + (((33 - 3/3) \times ((3 + 3)^3 - 3/3)) \\
&:= 4/4 + ((44 - 4) \times (4 \times 44 - 4)) \\
&:= 5 + (5 \times 5 \times 5 \times 55 + 5/5) \\
&:= 6 \times 6 \times 6 + (6666 - 6/6) \\
&:= 7 + (((7 \times (7 + 7) \times (77 - 7)) + 7) + 7) \\
&:= 8 + ((8/8 - 88) \times ((8/8 - 88) + 8)) \\
&:= 9/9 + (((9 + 9)/9) + 9 \times 9)^{(9+9)/9} - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6882 &:= 111 \times (1 + ((1 + 11)^{1+1})/(1 + 1)) \\
&:= 222 \times ((2/2 + 2)^2 + 22) \\
&:= (3 \times (3 \times ((3^{3+3} + 33) + 3))) - 3 \\
&:= 444/4 \times (4^4 - 4 - 4)/4 \\
&:= 5 + (5 \times 5 \times 5 \times 55 + ((5 + 5)/5)) \\
&:= 6 \times 6 \times 6 + 6666 \\
&:= ((77 - 7/7 + 7)^{(7+7)/7}) - 7 \\
&:= 888/8 \times (8 \times 8 - ((8 + 8)/8)) \\
&:= 999/9 \times (9 \times 9 - (9/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6883 &:= 1 + (111 \times (1 + ((1 + 11)^{1+1})/(1 + 1))) \\
&:= (((2/2 + 2)^{2+2} + 2)^2) - 2 - 2 - 2 \\
&:= 3^3 + (((3 \times (3 + 3)) + 3/3)^3) - 3 \\
&:= 4 + ((44/4 \times (4/4 + 4)^4) + 4) \\
&:= 5 + ((5 \times 5 \times 5 \times 55 - ((5 + 5)/5)) + 5) \\
&:= 6/6 + (6666 + 6 \times 6 \times 6) \\
&:= 7/7 + (((77 - 7/7 + 7)^{(7+7)/7}) - 7) \\
&:= 8 + (((88/8 + 8)^{88/8-8}) + 8) + 8 \\
&:= (9 + 9) \times (9 + 9) + (9 \times 9 \times 9 \times 9 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6884 &:= 1 + (1 + (111 \times (1 + ((1 + 11)^{1+1})/(1 + 1)))) \\
&:= 22^2 + ((2 \times 2 \times (22 - 2))^2) \\
&:= (33 \times (3 + 3)^3) - ((3^{3+3} + 3)/3) \\
&:= 4 + ((44 - 4) \times (4 \times 44 - 4)) \\
&:= 5 + ((5 \times 5 \times 5 \times 55 - 5/5) + 5) \\
&:= 6 \times 6 \times 6 + (6666 + ((6 + 6)/6)) \\
&:= 7 + (((7 \times (7 + 7) \times (77 - 7)) + ((77 - 7)/7)) + 7) \\
&:= ((88 - ((8 + 8)/8))^{(8+8)/8}) - 8 \times 8 \times 8 \\
&:= (9 + 9) \times (9 + 9) + (9 \times 9 \times 9 \times 9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6885 &:= (11 \times (1 + (1 + (1 + 1) \times (1 + 11))^{1+1})) - 1 \\
&:= (((2/2 + 2)^{2+2} + 2)^2) - 2 - 2 \\
&:= 3 \times (3 \times ((3^{3+3} + 33) + 3)) \\
&:= (4 - 4/4)^4 \times ((4 - 4/4)^4 + 4) \\
&:= 5 + (5 \times 5 \times 5 \times 55 + 5) \\
&:= 6 \times 6 \times 6 + (6666 + (6 \times 6/(6 + 6))) \\
&:= ((7 + 7)/7 + 7 \times 7) \times (((7 + 7)/7)^7 + 7) \\
&:= (8/8 + 8) \times ((8 \times (88 + 8) - (88/8)) + 8) \\
&:= 9 \times (((9 \times 9 \times 9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6886 &:= 11 \times (1 + (1 + (1 + 1) \times (1 + 11))^{1+1}) \\
&:= 2 + (((2 \times 2 \times (22 - 2))^2) + 22^2) \\
&:= 3^3 + (((3 \times (3 + 3)) + 3/3)^3) \\
&:= 44/4 \times ((4/4 + 4)^4 + 4/4) \\
&:= 55/5 \times (5^5 + 5)/5 \\
&:= 6 + ((6666 - ((6 + 6)/6)) + 6 \times 6 \times 6) \\
&:= 7 + ((77 \times (77 + 7 + 7)) - ((7 + 7)/7)^7) \\
&:= (8 \times (888 - 8 - 8)) - ((8 + 8)/8 + 88) \\
&:= 9/9 + ((9 + 9) \times (9 + 9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6887 &:= 1 + (11 \times (1 + (1 + (1 + 1) \times (1 + 11))^{1+1})) \\
&:= (((2/2 + 2)^{2+2} + 2)^2) - 2 \\
&:= 3^3 + (((3 \times (3 + 3)) + 3/3)^3) + 3/3 \\
&:= 4 + (((44/4 \times (4/4 + 4)^4) + 4) + 4) \\
&:= 5/5 + (55/5 \times (5^5 + 5)/5) \\
&:= 6 + ((6666 - 6/6) + 6 \times 6 \times 6) \\
&:= (7 \times (7 + 7) - 7/7) \times ((7/7 - 7) + 77) \\
&:= ((8/8 + 88) + 8) \times ((8 \times 8 - 8/8) + 8) \\
&:= (9 \times 9 - (9/9 + 9)) \times (99 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6888 &:= ((1 + (1 + (11 - 1 - 1)^{1+1}))^{1+1}) - 1 \\
&:= 2 \times ((2 + 2 + 2) \times (((22 + 2)^2) - 2)) \\
&:= 3 + (3 \times (3 \times (3^{3+3} + 33) + 3)) \\
&:= 4 + (((44 - 4) \times (4 \times 44 - 4)) + 4) \\
&:= (5 + 5)/5 + (55/5 \times (5^5 + 5)/5) \\
&:= 6 + (6666 + 6 \times 6 \times 6) \\
&:= 77 + (7 \times ((7 + 7) \times (77 - 7) - 7)) \\
&:= (8 \times (888 - 8 - 8)) - 88 \\
&:= (9/9 + 9 \times 9) \times (((9 + 9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6889 &:= (1 + (1 + (11 - 1 - 1)^{1+1}))^{1+1} \\
&:= ((2/2 + 2)^{2+2} + 2)^2 \\
&:= 3 + (((3 \times (3 + 3)) + 3/3)^3) + 3^3 \\
&:= 4 + ((4 - 4/4)^4 \times ((4 - 4/4)^4 + 4)) \\
&:= 5 \times 5 + (55/5 \times (5^5 - 5)/5) \\
&:= (66/6 + 66 + 6)^{(6+6)/6} \\
&:= (77 - 7/7 + 7)^{(7+7)/7} \\
&:= ((88/8 + 8 \times 8) + 8)^{(8+8)/8} \\
&:= (((9 + 9)/9) + 9 \times 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6890 &:= 1 + ((1 + (1 + (11 - 1 - 1)^{1+1}))^{1+1}) \\
&:= 2/2 + (((2/2 + 2)^{2+2} + 2)^2) \\
&:= 3 + (((3 \times (3 + 3)) + 3/3)^3) + 3^3 + 3/3 \\
&:= 4 + (44/4 \times ((4/4 + 4)^4 + 4/4)) \\
&:= 5 + ((5 \times 5 \times 5 \times 55 + 5) + 5) \\
&:= (6/6 - 66) \times (6 - (666 + 6)/6) \\
&:= 7/7 + ((77 - 7/7 + 7)^{(7+7)/7}) \\
&:= 8 + (888/8 \times (8 \times 8 - ((8 + 8)/8))) \\
&:= 9/9 + (((9 + 9)/9) + 9 \times 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6891 &:= 1 + (1 + ((1 + (1 + (11 - 1 - 1)^{1+1}))^{1+1})) \\
&:= 2 + (((2/2 + 2)^{2+2} + 2)^2) \\
&:= 33 + (3 \times (3 \times (3^{3+3} + 33))) \\
&:= 4 \times 4 + (44/4 \times (4/4 + 4)^4) \\
&:= 5 + (55/5 \times (5^5 + 5)/5) \\
&:= 66 + ((6/6 - 66) \times (6 - 666/6)) \\
&:= (7 + 7)/7 + ((77 - 7/7 + 7)^{(7+7)/7}) \\
&:= 88/8 + ((88 - 8) \times (88 - ((8 + 8)/8))) \\
&:= 9 + (999/9 \times (9 \times 9 - (9/9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6892 &:= 1 + (1 + (1 + ((1 + (1 + (11 - 1 - 1)^{1+1}))^{1+1}))) \\
&:= 2 + (((2/2 + 2)^{2+2} + 2)^2) + 2/2 \\
&:= 33 + (((3 \times (3 + 3)) + 3/3)^3) \\
&:= 44 + (4 \times (4 \times (444 - 4 \times 4))) \\
&:= (55/5 \times (5^5 + 5 + 5)/5) - 5 \\
&:= 6 \times 6 \times 6 + (((66 - 6)/6) + 6666) \\
&:= 7 + (((7 + 7)/7 + 7 \times 7) \times (((7 + 7)/7)^7 - 7)) \\
&:= (88 + 8) \times (8 \times 8 + 8) - ((88 + 8)/8 + 8) \\
&:= 9 + ((9 \times 9 \times 9 \times 9 - ((9 + 9)/9)) + (9 + 9) \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6893 &:= (1 + 1 + 111) \times ((1 + 11^{1+1})/(1 + 1)) \\
&:= 2 + (((2/2 + 2)^{2+2} + 2)^2) + 2 \\
&:= 3/3 + (((3 \times (3 + 3)) + 3/3)^3) + 33 \\
&:= 4 + (((4 - 4/4)^4 \times ((4 - 4/4)^4 + 4)) + 4) \\
&:= (5 \times (5 \times 5 \times 55 + 5)) - ((5 + 5)/5 + 5) \\
&:= 6 \times 6 \times 6 + (6666 + (66/6)) \\
&:= 7777/7 + (7 \times (777 + 7 \times 7)) \\
&:= (88 + 8) \times (8 \times 8 + 8) - (88/8 + 8) \\
&:= 9 + ((9 \times 9 \times 9 \times 9 - 9/9) + (9 + 9) \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6894 &:= 1 + ((1 + 1 + 111) \times ((1 + 11^{1+1})/(1 + 1))) \\
&:= 2 + (((2/2 + 2)^{2+2} + 2)^2) + 2/2 + 2 \\
&:= 333 + (3 \times 3 \times 3^{3+3}) \\
&:= 4 + ((44/4 \times ((4/4 + 4)^4 + 4/4)) + 4) \\
&:= (5 \times (5 \times 5 \times 55 + 5)) - (5/5 + 5) \\
&:= 6 + ((6666 + 6 \times 6 \times 6) + 6) \\
&:= ((7 + 7)/7 + 7) \times (777 - (77/7)) \\
&:= (8/8 + 8) \times (8 \times (88 + 8) - ((8 + 8)/8)) \\
&:= 9 + ((9 + 9) \times (9 + 9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6895 &:= (11 \times (11 \times (1 + (1 + 111)/(1 + 1)))) - 1 - 1 \\
&:= 2 + (((2/2 + 2)^{2+2} + 2)^2) + 2 + 2 \\
&:= 3 + (((3 \times (3 + 3)) + 3/3)^3) + 33 \\
&:= 4 + ((44/4 \times (4/4 + 4)^4) + 4 \times 4) \\
&:= (5 \times (5 \times 5 \times 55 + 5)) - 5 \\
&:= 6 + ((66/6 + 66 + 6)^{(6+6)/6}) \\
&:= 7777 - 7 \times (77 + 7 \times 7) \\
&:= (88 + 8) \times (8 \times 8 + 8) - (8/8 + 8 + 8) \\
&:= 9 + (((9 + 9) \times (9 + 9) + 9 \times 9 \times 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6896 &:= (11 \times (11 \times (1 + (1 + 111)/(1 + 1)))) - 1 \\
&:= (2^{22/2+2}) - (2 + 2 + 2)^{2+2} \\
&:= (3/3 + 3) \times ((3 \times 3 + 3)^3 - (3/3 + 3)) \\
&:= 4 \times ((4 \times (4 \times 44 + 4^4)) - 4) \\
&:= 5 + ((55/5 \times (5^5 + 5)/5) + 5) \\
&:= 6 + ((6/6 - 66) \times (6 - (666 + 6)/6)) \\
&:= 7 + ((77 - 7/7 + 7)^{(7+7)/7}) \\
&:= (88 + 8) \times (8 \times 8 + 8) - 8 - 8 \\
&:= 9 + ((9 \times 9 - (9/9 + 9)) \times (99 - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6897 &:= 11 \times (11 \times (1 + (1 + 111)/(1 + 1))) \\
&:= 2 \times (2 + 2) + (((2/2 + 2)^{2+2} + 2)^2) \\
&:= 3 + ((3 \times 3 \times 3^{3+3}) + 333) \\
&:= 4/4 + (4 \times ((4 \times (4 \times 44 + 4^4)) - 4)) \\
&:= 55/5 \times (5^5 + 5 + 5)/5 \\
&:= 6666 + ((66 \times (6 \times 6 + 6))/(6 + 6)) \\
&:= ((7/7 + 7 \times 7) + 7) \times (((7 + 7)/7)^7 - 7) \\
&:= 8 + (((88/8 + 8 \times 8) + 8)^{(8+8)/8}) \\
&:= 9 + ((9/9 + 9 \times 9) \times (((9 + 9 + 9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6898 &:= 1 + (11 \times (11 \times (1 + (1 + 111)/(1 + 1)))) \\
&:= ((2 + 2 + 2) \times ((2 \times ((22 + 2)^2) - 2)) - 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3/3)^3) + 33 + 3 \\
&:= 4 \times 4 + (444/4 \times (4^4 - 4 - 4)/4) \\
&:= (5 \times (5 \times 5 \times 55 + 5)) - (5 + 5)/5 \\
&:= 6 + (((66 - 6)/6) + 6666) + 6 \times 6 \times 6 \\
&:= (7 \times ((7 + 7) \times (77 - 7) + 7)) - 77/7 \\
&:= 8 + ((888/8 \times (8 \times 8 - ((8 + 8)/8))) + 8) \\
&:= 9 + (((9 + 9)/9) + 9 \times 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6899 &:= ((1 + 11) \times (((1 + 1) \times (1 + 11))^{1+1} - 1)) - 1 \\
&:= 2 + (((2/2 + 2)^{2+2} + 2)^2) + 2 \times (2 + 2) \\
&:= ((3/3 + 3) \times ((3 \times 3 + 3)^3 - 3)) - 3/3 \\
&:= 4 + (((44/4 \times (4/4 + 4)^4) + 4 \times 4) + 4) \\
&:= (5 \times (5 \times 5 \times 55 + 5)) - 5/5 \\
&:= 6 + ((6666 + 6 \times 6 \times 6) + (66/6)) \\
&:= ((7 - 77)/7) + (7 \times ((7 + 7) \times (77 - 7) + 7)) \\
&:= 88/8 + ((8 \times (888 - 8 - 8)) - 88) \\
&:= 9 \times 9 \times 99 - (9999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6900 &:= (1 + 11) \times (((1 + 1) \times (1 + 11))^{1+1} - 1) \\
&:= (2 + 2 + 2) \times ((2 \times ((22 + 2)^2) - 2) \\
&:= (3/3 + 3) \times ((3 \times 3 + 3)^3 - 3) \\
&:= 4 + (4 \times ((4 \times (4 \times 44 + 4^4)) - 4)) \\
&:= 5 \times (5 \times 5 \times 55 + 5) \\
&:= 6 + (((6666 + 6 \times 6 \times 6) + 6) + 6) \\
&:= 77/7 + ((77 - 7/7 + 7)^{(7+7)/7}) \\
&:= ((88 + 8)/8) \times (8 \times (8 \times 8 + 8) - 8/8) \\
&:= (9/9 + 99) \times (9 \times 9 - (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6901 &:= 1 + ((1 + 11) \times (((1 + 1) \times (1 + 11))^{1+1} - 1)) \\
&:= 2/2 + ((2 + 2 + 2) \times ((2 \times ((22 + 2)^2) - 2)) \\
&:= 3 \times 3 + (((3 \times (3 + 3)) + 3/3)^3) + 33 \\
&:= (4 + 4)^4 + (44/4 \times (4^4 - 4/4)) \\
&:= 5/5 + (5 \times (5 \times 5 \times 55 + 5)) \\
&:= (66 + 6/6) \times ((6 \times 6 + 66) + 6/6) \\
&:= (7 \times ((7 + 7) \times (77 - 7) + 7)) - (7/7 + 7) \\
&:= (88 + 8) \times (8 \times 8 + 8) - 88/8 \\
&:= ((9 - (9 + 9)/9) \times (999 + 9/9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6902 &:= 1 + (1 + ((1 + 11) \times (((1 + 1) \times (1 + 11))^{1+1} - 1))) \\
&:= 2 + ((2 + 2 + 2) \times ((2 \times ((22 + 2)^2) - 2)) \\
&:= 3 + (((3/3 + 3) \times ((3 \times 3 + 3)^3 - 3)) - 3/3) \\
&:= 4 \times 4 + (44/4 \times ((4/4 + 4)^4 + 4/4)) \\
&:= 5 + (55/5 \times (5^5 + 5 + 5)/5) \\
&:= (66/6 + 6) \times (((66 - 6)/6) + 6 \times 66) \\
&:= (7 \times ((7 + 7) \times (77 - 7) + 7)) - 7 \\
&:= (8 - 88)/8 + (88 + 8) \times (8 \times 8 + 8) \\
&:= 99 + ((9 \times ((9 \times 9 \times 9 + 9) + 9) + 9) - 9/9)
\end{aligned}$$

- ▶ 6903 := $(1+1+11) \times (1+(1+(1+11+11)^{1+1}))$
:= $(22/2+2) \times (((22+2/2)^2)+2)$
:= $3+(3/3+3) \times ((3 \times 3+3)^3-3)$
:= $44+(((44/4+4)+4)^{4-4/4})$
:= $5+((5 \times (5 \times 5 \times 55+5)) - ((5+5)/5))$
:= $(66-6/6-6) \times (666/6+6)$
:= $7+(((77-7/7+7)^{(7+7)/7})+7)$
:= $(8/8+8) \times (8 \times (88+8) - 8/8)$
:= $99+(9 \times (((9 \times 9 \times 9+9)+9)+9))$
- ▶ 6904 := $(1+1) \times ((1+1) \times (((1+11)^{1+1+1}) - (1+1)))$
:= $2 \times (2 \times (((2/2+2) \times ((22+2)^2)) - 2))$
:= $(3/3+3) \times (((3 \times 3+3)^3-3)+3/3)$
:= $(4 \times (4 \times (4 \times 44+4^4))) - 4 - 4$
:= $5+((5 \times (5 \times 5 \times 55+5)) - 5/5)$
:= $((6+6)/6+6) \times ((6 \times (6+6) \times (6+6)) - 6/6)$
:= $7 \times 7 \times 7 + (((7+7+7)/7)^{7+7/7})$
:= $(88+8) \times (8 \times 8+8) - 8$
:= $9/9 + ((9 \times (((9 \times 9 \times 9+9)+9)+9)) + 99)$
- ▶ 6905 := $1 + ((1+1) \times ((1+1) \times (((1+11)^{1+1+1}) - (1+1))))$
:= $2^{2+2} + (((2/2+2)^{2+2}+2)^2)$
:= $((3/3+3) \times ((3 \times 3+3)^3-3/3)) - 3$
:= $4 + ((44/4 \times (4^4-4/4)) + (4+4)^4)$
:= $5 + (5 \times (5 \times 5 \times 55+5))$
:= $(6 \times (6 \times ((6 \times (6 \times 6-6) + 6) + 6))) - 6/6 - 6$
:= $7 + ((7 \times ((7+7) \times (77-7) + 7)) - (77/7))$
:= $8/8 + ((88+8) \times (8 \times 8+8) - 8)$
:= $99 + ((9/9+9 \times 9) \times (((9+9)/9) + 9 \times 9))$
- ▶ 6906 := $(1+1) \times (((1+1) \times (((1+11)^{1+1+1}) - 1)) - 1)$
:= $(2/2+2) \times (((2 \times (22+2)^2) - 2)$
:= $((3/3+3) \times (3 \times 3+3)^3) - 3 - 3$
:= $(4 \times (4 \times (4 \times 44+4^4))) - ((4+4)/4+4)$
:= $5 + ((5 \times (5 \times 5 \times 55+5)) + 5/5)$
:= $(6 \times (6 \times ((6 \times (6 \times 6-6) + 6) + 6))) - 6$
:= $(7 \times ((7+7) \times (77-7) + 7)) - (7+7+7)/7$
:= $(8+8)/8 + ((88+8) \times (8 \times 8+8) - 8)$
:= $9 \times 9 \times 99 - (((9999+9)+9)/9)$
- ▶ 6907 := $((1+1) \times ((1+1) \times (((1+11)^{1+1+1}) - 1))) - 1$
:= $2 + (((2/2+2)^{2+2}+2)^2) + 2^{2+2}$
:= $3 + ((3 \times 3 \times 3^{3+3}) + ((3/3+3+3)^3))$
:= $4 \times (4+4) + (44/4 \times (4/4+4^4))$
:= $((5+5)/5)^5 + 5 \times 5 \times 5 \times 55$
:= $6 + ((66+6/6) \times ((6 \times 6+66) + 6/6))$
:= $(7 \times ((7+7) \times (77-7) + 7)) - (7+7)/7$
:= $88/8 + ((88+8) \times (8 \times 8+8) - (8+8))$
:= $9 + (((((9+9)/9) + 9 \times 9)^{(9+9)/9}) + 9)$
- ▶ 6908 := $(1+1) \times ((1+1) \times (((1+11)^{1+1+1}) - 1))$
:= $2 \times (((2+2+2) \times ((22+2)^2)) - 2)$
:= $(3/3+3) \times ((3 \times 3+3)^3-3/3)$
:= $(4 \times (4 \times (4 \times 44+4^4))) - 4$
:= $55/5 \times ((5^5-5-5)/5+5)$
:= $66/6 \times (666 - ((6+6)/6+6 \times 6))$
:= $(7 \times ((7+7) \times (77-7) + 7)) - 7/7$
:= $(88+8) \times (8 \times 8+8) - 8 \times 8/(8+8)$
:= $9 \times 9 \times 99 - 9999/9$
- ▶ 6909 := $1 + ((1+1) \times ((1+1) \times (((1+11)^{1+1+1}) - 1)))$
:= $22 + (((2/2+2)^{2+2}+2)^2) - 2$
:= $((3/3+3) \times (3 \times 3+3)^3) - 3$
:= $4/4 + ((4 \times (4 \times (4 \times 44+4^4))) - 4)$
:= $5 + (((5 \times (5 \times 5 \times 55+5)) - 5/5) + 5)$
:= $6 + ((66-6/6-6) \times (666/6+6))$
:= $7 \times (7+7) \times (77-7) + 7$
:= $8 + ((88+8) \times (8 \times 8+8) - (88/8))$
:= $9 \times 9 \times 99 + ((9-9999)/9)$
- ▶ 6910 := $(1+1) \times (((1+1) \times ((1+11)^{1+1+1}) - 1)$
:= $(2 \times ((2+2+2) \times ((22+2)^2))) - 2$
:= $3/3 + (((3/3+3) \times (3 \times 3+3)^3) - 3)$
:= $(4 \times (4 \times (4 \times 44+4^4))) - (4+4)/4$
:= $5 + ((5 \times (5 \times 5 \times 55+5)) + 5)$
:= $(6 \times (6 \times ((6 \times (6 \times 6-6) + 6) + 6))) - (6+6)/6$
:= $7/7 + (7 \times ((7+7) \times (77-7) + 7))$
:= $(88+8) \times (8 \times 8+8) - (8+8)/8$
:= $9 \times 9 \times 99 + (((9-9999)+9)/9)$
- ▶ 6911 := $((1+1) \times ((1+1) \times ((1+11)^{1+1+1}))) - 1$
:= $22 + (((2/2+2)^{2+2}+2)^2)$
:= $((3/3+3) \times (3 \times 3+3)^3) - 3/3$
:= $(4 \times (4 \times (4 \times 44+4^4))) - 4/4$
:= $5 \times 5 + (55/5 \times (5^5+5)/5)$
:= $(6 \times (6 \times ((6 \times (6 \times 6-6) + 6) + 6))) - 6/6$
:= $(7+7)/7 + (7 \times ((7+7) \times (77-7) + 7))$
:= $(88+8) \times (8 \times 8+8) - 8/8$
:= $((9+9)/9)^9 + 9 \times (9 \times 9 \times 9 - 9 - 9)$
- ▶ 6912 := $(1+1) \times ((1+1) \times ((1+11)^{1+1+1}))$
:= $2 \times ((2+2+2) \times ((22+2)^2))$
:= $(3/3+3) \times (3 \times 3+3)^3$
:= $4 \times (4 \times (4 \times 44+4^4))$
:= $5 + (5 \times 5 \times 5 \times 55 + ((5+5)/5)^5)$
:= $6 \times (6 \times ((6 \times (6 \times 6-6) + 6) + 6))$
:= $((7+7)/7)^7 \times (7 \times 7 - ((7+7)/7) + 7)$
:= $(88+8) \times (8 \times 8+8)$
:= $999+9 \times (9 \times (9 \times 9 - 9) + 9)$
- ▶ 6913 := $1 + ((1+1) \times ((1+1) \times ((1+11)^{1+1+1})))$
:= $2 + (((2/2+2)^{2+2}+2)^2) + 22$
:= $3/3 + ((3/3+3) \times (3 \times 3+3)^3)$
:= $4/4 + (4 \times (4 \times (4 \times 44+4^4)))$
:= $5 + (55/5 \times ((5^5-5-5)/5+5))$
:= $6/6 + (6 \times (6 \times ((6 \times (6 \times 6-6) + 6) + 6)))$
:= $7 \times 7 + ((7/7+77) \times (77/7+77))$
:= $8/8 + (88+8) \times (8 \times 8+8)$
:= $9/9 + (9 \times (9 \times (9 \times 9 - 9) + 9) + 999)$
- ▶ 6914 := $(1+1) \times (1 + ((1+1) \times ((1+11)^{1+1+1})))$
:= $2 + (2 \times ((2+2+2) \times ((22+2)^2)))$
:= $3 + (((3/3+3) \times (3 \times 3+3)^3) - 3/3)$
:= $(4+4)/4 + (4 \times (4 \times (4 \times 44+4^4)))$
:= $(55/5 \times ((5^5-5)/5+5)) - 5$
:= $(6+6)/6 + (6 \times (6 \times ((6 \times (6 \times 6-6) + 6) + 6)))$
:= $7 + ((7 \times ((7+7) \times (77-7) + 7)) - ((7+7)/7))$
:= $(8+8)/8 + (88+8) \times (8 \times 8+8)$
:= $9 \times (9 \times 99 - 9) - (((9+9)/9)^{9/9+9})$
- ▶ 6915 := $1 + ((1+1) \times (1 + ((1+1) \times ((1+11)^{1+1+1}))))$
:= $(2/2+2) \times (((2 \times (22+2)^2) + 2/2)$
:= $3 + ((3/3+3) \times (3 \times 3+3)^3)$
:= $(44/4 \times ((4/4+4)^4+4)) - 4$
:= $5 + (((5 \times (5 \times 5 \times 55+5)) + 5) + 5)$
:= $6 + (((66-6/6-6) \times (666/6+6)) + 6)$
:= $7 + ((7 \times ((7+7) \times (77-7) + 7)) - 7/7)$
:= $88/8 + ((88+8) \times (8 \times 8+8) - 8)$
:= $999/9 + (9 \times (((9 \times 9 \times 9+9)+9)+9))$
- ▶ 6916 := $(1+1) \times ((1+1) \times (1 + ((1+11)^{1+1+1})))$
:= $2 \times (((2+2+2) \times ((22+2)^2)) + 2)$
:= $(3/3+3) \times ((3 \times 3+3)^3+3/3)$
:= $4 + (4 \times (4 \times (4 \times 44+4^4)))$
:= $5 + ((55/5 \times (5^5+5)/5) + 5 \times 5)$
:= $6 \times (6 \times 6+6) + (6666 - ((6+6)/6))$
:= $7 + (7 \times ((7+7) \times (77-7) + 7))$
:= $8 \times 8/(8+8) + (88+8) \times (8 \times 8+8)$
:= $(9 - (9+9)/9) \times (999 - (99/9))$
- ▶ 6917 := $1 + ((1+1) \times ((1+1) \times (1 + ((1+11)^{1+1+1}))))$
:= $2 + ((2/2+2) \times (((2 \times (22+2)^2) + 2/2))$
:= $3 + (((3/3+3) \times (3 \times 3+3)^3) - 3/3) + 3$
:= $4 + ((4 \times (4 \times (4 \times 44+4^4))) + 4/4)$
:= $5 + ((5 \times 5 \times 5 \times 55 + ((5+5)/5)^5) + 5)$
:= $6 \times (6 \times 6+6) + (6666 - 6/6)$
:= $7 + ((7 \times ((7+7) \times (77-7) + 7)) + 7/7)$
:= $8 + (((88+8) \times (8 \times 8+8) - (88/8)) + 8)$
:= $9 + (9 \times 9 \times 99 - 9999/9)$

- ▶ 6918 := $(1+1) \times (1 + ((1+1) \times (1 + ((1+11)^{1+1+1}))))$
:= $(2/2 + 2) \times (((2 \times (22 + 2))^2) + 2)$
:= $3 + (((3/3 + 3) \times (3 \times 3 + 3)^3) + 3)$
:= $(44/4 \times ((4/4 + 4)^4 + 4)) - 4/4$
:= $(55/5 \times ((5^5 - 5)/5 + 5)) - 5/5$
:= $6 \times (6 \times 6 + 6) + 6666$
:= $7 + ((7 \times ((7 + 7) \times (77 - 7) + 7)) + ((7 + 7)/7))$
:= $8 + ((88 + 8) \times (8 \times 8 + 8) - ((8 + 8)/8))$
:= $9 + (((9 - 9999)/9) + 9 \times 9 \times 99)$
- ▶ 6919 := $1 + ((1+1) \times (1 + ((1+1) \times (1 + ((1+11)^{1+1+1}))))$
:= $2/2 + ((2/2 + 2) \times (((2 \times (22 + 2))^2) + 2))$
:= $3 + ((3/3 + 3) \times ((3 \times 3 + 3)^3 + 3/3))$
:= $44/4 \times ((4/4 + 4)^4 + 4)$
:= $55/5 \times ((5^5 - 5)/5 + 5)$
:= $6/6 + (6 \times (6 \times 6 + 6) + 6666)$
:= $7 + (((7 + 7)/7)^7 \times (7 \times 7 - ((7 + 7)/7) + 7))$
:= $8 + ((88 + 8) \times (8 \times 8 + 8) - 8/8)$
:= $99/9 \times (9 \times 9 \times 9 - (9/9 + 99))$
- ▶ 6920 := $(1+1) \times ((1+1) \times (1 + (1 + ((1+11)^{1+1+1}))))$
:= $2 + ((2/2 + 2) \times (((2 \times (22 + 2))^2) + 2))$
:= $(3/3 + 3) \times (((3 \times 3 + 3)^3 - 3/3) + 3)$
:= $4 + ((4 \times (4 \times (4 \times 44 + 4^4))) + 4)$
:= $5 \times ((5 \times 5 \times 55 + 5) + 5) - 5$
:= $(6 + 6)/6 + (6 \times (6 \times 6 + 6) + 6666)$
:= $77/7 + (7 \times ((7 + 7) \times (77 - 7) + 7))$
:= $8 + (88 + 8) \times (8 \times 8 + 8)$
:= $99 \times (9 \times 9 - 99/9) - 9/9 - 9$
- ▶ 6921 := $1 + ((1+1) \times ((1+1) \times (1 + (1 + ((1+11)^{1+1+1}))))$
:= $(2/2 + 2) \times (((2 \times (22 + 2))^2) + 2/2) + 2$
:= $33 \times 33 + (3 \times (3 + 3))^3$
:= $4 + (((4 \times (4 \times (4 \times 44 + 4^4))) + 4/4) + 4)$
:= $5/5 + ((5 \times ((5 \times 5 \times 55 + 5) + 5)) - 5)$
:= $6 \times (6 \times 6 + 6) + (6666 + (6 \times 6/(6 + 6)))$
:= $((7 + 7)/7 + 7) \times (777 - (7/7 + 7))$
:= $8 + ((88 + 8) \times (8 \times 8 + 8) + 8/8)$
:= $99 \times (9 \times 9 - 99/9) - 9$
- ▶ 6922 := $11 + (((1+1) \times ((1+1) \times (1 + ((1+11)^{1+1+1})))) - 1)$
:= $((2 + 2 + 2) \times ((2 \times ((22 + 2)^2)) + 2)) - 2$
:= $3/3 + (33 \times 33 + (3 \times (3 + 3))^3)$
:= $4 + ((44/4 \times ((4/4 + 4)^4 + 4)) - 4/4)$
:= $5 \times 5 + (55/5 \times (5^5 + 5 + 5)/5)$
:= $6666 + (((6 + 6)/6)^{6+(6+6)/6})$
:= $7 + (((7 \times ((7 + 7) \times (77 - 7) + 7)) - 7/7) + 7)$
:= $8 + ((88 + 8) \times (8 \times 8 + 8) + ((8 + 8)/8))$
:= $9/9 + (99 \times (9 \times 9 - 99/9) - 9)$
- ▶ 6923 := $11 + ((1+1) \times ((1+1) \times ((1+11)^{1+1+1})))$
:= $22/2 + (2 \times ((2 + 2 + 2) \times ((22 + 2)^2)))$
:= $33/3 + ((3/3 + 3) \times (3 \times 3 + 3)^3)$
:= $4 + (44/4 \times ((4/4 + 4)^4 + 4))$
:= $(5 \times ((5 \times 5 \times 55 + 5) + 5)) - (5 + 5)/5$
:= $(66 \times (666/6 - 6)) - 6/6 - 6$
:= $7 + ((7 \times ((7 + 7) \times (77 - 7) + 7)) + 7)$
:= $88/8 + (88 + 8) \times (8 \times 8 + 8)$
:= $(9 - (9 + 9)/9) \times (999 - (9/9 + 9))$
- ▶ 6924 := $(1+11) \times (1 + (((1+1) \times (1 + 11))^{1+1}))$
:= $(2 + 2 + 2) \times ((2 \times ((22 + 2)^2)) + 2)$
:= $(3/3 + 3) \times ((3 \times 3 + 3)^3 + 3)$
:= $4 \times (4 \times 444 - 44) - 4$
:= $5 + (55/5 \times ((5^5 - 5)/5 + 5))$
:= $(66 \times (666/6 - 6)) - 6$
:= $7 + (((7 \times ((7 + 7) \times (77 - 7) + 7)) + 7/7) + 7)$
:= $((88 + 8)/8) + (88 + 8) \times (8 \times 8 + 8)$
:= $9 \times 9 \times 9 \times 9 + (99 \times 99/(9 + 9 + 9))$
- ▶ 6925 := $1 + ((1+11) \times (1 + (((1+1) \times (1 + 11))^{1+1})))$
:= $2/2 + ((2 + 2 + 2) \times ((2 \times ((22 + 2)^2)) + 2))$
:= $3/3 + ((3/3 + 3) \times ((3 \times 3 + 3)^3 + 3))$
:= $4/4 + 4 \times (4 \times 444 - 44) - 4$
:= $5 \times ((5 \times 5 \times 55 + 5) + 5)$
:= $6/6 + ((66 \times (666/6 - 6)) - 6)$
:= $((7 + 7)/7 + 7) \times (777 + 7/7) - 77$
:= $(88 + 8 + 8)/8 + (88 + 8) \times (8 \times 8 + 8)$
:= $9 + ((9 - (9 + 9)/9) \times (999 - (99/9)))$
- ▶ 6926 := $1 + (1 + ((1+11) \times (1 + (((1+1) \times (1 + 11))^{1+1}))))$
:= $2 + ((2 + 2 + 2) \times ((2 \times ((22 + 2)^2)) + 2))$
:= $(33 \times ((3 + 3)^3 - (3 + 3))) - (3/3 + 3)$
:= $4 \times (4 \times 444 - 44) - (4 + 4)/4$
:= $5/5 + (5 \times ((5 \times 5 \times 55 + 5) + 5))$
:= $(6 + 6)/6 + ((66 \times (666/6 - 6)) - 6)$
:= $77 + ((7 \times (7 + 7) \times (77 - 7)) - (77/7))$
:= $8 + (((88 + 8) \times (8 \times 8 + 8) - ((8 + 8)/8)) + 8)$
:= $9 + ((9 \times 9 \times 99 - 9999/9) + 9)$
- ▶ 6927 := $11 + ((1+1) \times ((1+1) \times (1 + ((1+11)^{1+1+1}))))$
:= $2 + (((2 + 2 + 2) \times ((2 \times ((22 + 2)^2)) + 2)) + 2/2)$
:= $(33 \times ((3 + 3)^3 - (3 + 3))) - 3$
:= $4 \times (4 \times 444 - 44) - 4/4$
:= $(5 + 5)/5 + (5 \times ((5 \times 5 \times 55 + 5) + 5))$
:= $(66 \times (666/6 - 6)) - 6 \times 6/(6 + 6)$
:= $7 + ((7 \times ((7 + 7) \times (77 - 7) + 7)) + (77/7))$
:= $8 + (((88 + 8) \times (8 \times 8 + 8) - 8/8) + 8)$
:= $99 \times (9 \times 9 - 99/9) - (9 + 9 + 9)/9$
- ▶ 6928 := $1 + (11 + ((1+1) \times ((1+1) \times (1 + ((1+11)^{1+1+1}))))$
:= $2 \times (2 \times (2 \times (2 \times 2 \times 222 - 22)))$
:= $3/3 + ((33 \times ((3 + 3)^3 - (3 + 3))) - 3)$
:= $4 \times (4 \times 444 - 44)$
:= $55 + (5 \times 5 \times 5 \times 55 - ((5 + 5)/5))$
:= $(66 \times (666/6 - 6)) - (6 + 6)/6$
:= $((77 + 7)^{(7+7)/7}) - ((7 + 7)/7)^7$
:= $8 + ((88 + 8) \times (8 \times 8 + 8) + 8)$
:= $99 \times (9 \times 9 - 99/9) - (9 + 9)/9$
- ▶ 6929 := $((1+1+1) \times ((111 - 1) \times (11 + (11 - 1)))) - 1$
:= $2 \times (22 - 2) + (((2/2 + 2)^{2+2} + 2)^2)$
:= $(33 \times ((3 + 3)^3 - (3 + 3))) - 3/3$
:= $4/4 + 4 \times (4 \times 444 - 44)$
:= $55 + (5 \times 5 \times 5 \times 55 - 5/5)$
:= $(66 \times (666/6 - 6)) - 6/6$
:= $(7 - 7/7 + 7) \times ((7 \times 77 - 7) + 7/7)$
:= $(8 \times (888 - 8)) - 888/8$
:= $99 \times (9 \times 9 - 99/9) - 9/9$
- ▶ 6930 := $(1 + 1 + 1) \times ((111 - 1) \times (11 + (11 - 1)))$
:= $22 \times (22^2 - ((22/2 + 2)^2))$
:= $33 \times ((3 + 3)^3 - (3 + 3))$
:= $((4^4 - 4)/4) \times (444 - 4)/4$
:= $55 + 5 \times 5 \times 5 \times 55$
:= $66 \times (666/6 - 6)$
:= $77 \times ((77 - 7/7 + 7) + 7)$
:= $(8/8 - 8 \times 8) \times ((8 - 888)/8)$
:= $99 \times (9 \times 9 - 99/9)$
- ▶ 6931 := $1 + ((1+1+1) \times ((111 - 1) \times (11 + (11 - 1))))$
:= $2 \times 22 + (((2/2 + 2)^{2+2} + 2)^2) - 2$
:= $3/3 + (33 \times ((3 + 3)^3 - (3 + 3)))$
:= $4 + 4 \times (4 \times 444 - 44) - 4/4$
:= $55 + (5 \times 5 \times 5 \times 55 + 5/5)$
:= $6/6 + (66 \times (666/6 - 6))$
:= $7/7 + (77 \times ((77 - 7/7 + 7) + 7))$
:= $8 + ((88 + 8) \times (8 \times 8 + 8) + (88/8))$
:= $9/9 + 99 \times (9 \times 9 - 99/9)$
- ▶ 6932 := $(1+1) \times (11 + (((1+1) \times (1 + 11))^{1+1+1}) - 1)$
:= $2^{22/2} + 22 \times 222$
:= $3 + ((33 \times ((3 + 3)^3 - (3 + 3))) - 3/3)$
:= $4 + 4 \times (4 \times 444 - 44)$
:= $55 + (5 \times 5 \times 5 \times 55 + ((5 + 5)/5))$
:= $(6 + 6)/6 + (66 \times (666/6 - 6))$
:= $(7 + 7)/7 + (77 \times ((77 - 7/7 + 7) + 7))$
:= $8 + ((88 + 8) \times (8 \times 8 + 8) + ((88 + 8)/8))$
:= $(9 + 9)/9 + 99 \times (9 \times 9 - 99/9)$

$$\begin{aligned}
\blacktriangleright 6933 &:= (1+1+1) \times (1 + ((111-1) \times (11 + (11-1)))) \\
&:= 2 \times 22 + (((2/2+2)^{2+2} + 2)^2) \\
&:= 3 + (33 \times ((3+3)^3 - (3+3))) \\
&:= 4 + 4 \times (4 \times 444 - 44) + 4/4 \\
&:= 5 + ((5 \times 5 \times 5 \times 55 - ((5+5)/5)) + 55) \\
&:= (6 \times 6 / (6+6)) + (66 \times (666/6 - 6)) \\
&:= 7 + (((7 \times (7+7) \times (77-7)) - (77/7)) + 77) \\
&:= 8 \times 888 - ((8/8+8) \times (88/8+8)) \\
&:= ((9+9+9)/9) + 99 \times (9 \times 9 - 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6938 &:= (1+1) \times (11 + ((1+1) \times (1 + ((1+11)^{1+1+1})))) \\
&:= 2 + (2 \times ((2+2+2) \times (((22+2)^2) + 2))) \\
&:= 3^3 + (((3/3+3) \times (3 \times 3 + 3)^3) - 3/3) \\
&:= 4 + (4^4 - 4) / 4 \times (444 - 4) / 4 + 4 \\
&:= 5 \times 5 \times 5 \times 55 + (5^5 / 5 + 5) / (5 + 5) \\
&:= 6 + ((66 \times (666/6 - 6)) + ((6+6)/6)) \\
&:= 7/7 + ((7 \times (7+7) \times (77-7)) + 77) \\
&:= 8 + ((8/8 - 8 \times 8) \times ((8 - 888)/8)) \\
&:= 9 + (99 \times (9 \times 9 - 99/9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6943 &:= 1111 + ((1+1) \times (11 - 1 - 1))^{1+1+1} \\
&:= ((2 \times ((2 \times 22) - 2))^2) - (222/2 + 2) \\
&:= (3 \times (3+3))^3 + 3333/3 \\
&:= 4 + ((4/4 + 4^4) \times (44/4 + 4 \times 4)) \\
&:= (5+5)/5 + (55/5 \times ((5^5+5)/5+5)) \\
&:= 6 + (((66 \times (666/6 - 6)) + 6/6) + 6) \\
&:= 7 + (((7 \times (7+7) \times (77-7)) - 7/7) + 77) \\
&:= (8 \times (888 - 8)) - ((8/8 + 88) + 8) \\
&:= 9 \times 999 - (((9+9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6934 &:= (1+1) \times (11 + ((1+1) \times ((1+11)^{1+1+1}))) \\
&:= 2 + (22 \times 222 + 2^{22/2}) \\
&:= 3 + ((33 \times ((3+3)^3 - (3+3))) + 3/3) \\
&:= 4 + (((4^4 - 4) / 4) \times (444 - 4) / 4) \\
&:= 5 + ((5 \times 5 \times 5 \times 55 - 5/5) + 55) \\
&:= 6 + ((66 \times (666/6 - 6)) - ((6+6)/6)) \\
&:= 7 + (((7 \times ((7+7) \times (77-7) + 7)) + (77/7)) + 7) \\
&:= (88 + 88) / 8 + (88 + 8) \times (8 \times 8 + 8) \\
&:= 9 \times 999 - (((9+9)/9)^{99/9}) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6939 &:= 1 + ((1+1) \times (11 + ((1+1) \times (1 + ((1+11)^{1+1+1})))) \\
&:= 2 + (((2 \times ((2 \times 22) - 2))^2) - (22/2)^2) + 2) \\
&:= 3 \times ((3 \times (3^{3+3} + 33)) + 3^3) \\
&:= (4/4 + 4^4) \times (44/4 + 4 \times 4) \\
&:= ((55 + 5/5) \times (5 \times 5 \times 5 - 5/5)) - 5 \\
&:= 6 + ((66 \times (666/6 - 6)) + (6 \times 6 / (6+6))) \\
&:= ((7+7)/7 + 7) \times ((777 - 7) + 7/7) \\
&:= 8 + (((88 + 8) \times (8 \times 8 + 8) + (88/8)) + 8) \\
&:= 9 + 99 \times (9 \times 9 - 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6944 &:= (1+111) \times (1 + ((1+11^{1+1}) / (1+1))) \\
&:= 2 \times (2 \times (2222 - (22^2 + 2))) \\
&:= (33 - 3/3) \times ((3+3)^3 + 3/3) \\
&:= 4 \times (4 \times 444 - 44 + 4) \\
&:= (55 + 5/5) \times (5 \times 5 \times 5 - 5/5) \\
&:= (666 + 6) / 6 \times (((6+6)/6 - 6) + 66) \\
&:= 7 + ((7 \times (7+7) \times (77-7)) + 77) \\
&:= (8 \times (888 - 8)) - (88 + 8) \\
&:= (9 - (9+9)/9) \times (((9+9)/9) - 9) + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6935 &:= 1 + ((1+1) \times (11 + ((1+1) \times ((1+11)^{1+1+1})))) \\
&:= ((2 \times ((2 \times 22) - 2))^2) - (22/2)^2 \\
&:= 3 + (((33 \times ((3+3)^3 - (3+3))) - 3/3) + 3) \\
&:= 4 \times 4 + (44/4 \times ((4/4 + 4)^4 + 4)) \\
&:= 5 + (5 \times 5 \times 5 \times 55 + 55) \\
&:= 6 + ((66 \times (666/6 - 6)) - 6/6) \\
&:= 7 + (((77 + 7)^{(7+7)/7}) - ((7+7)/7)^7) \\
&:= ((8/8 + 8 \times 8) + 8) \times (88 - 8/8 + 8) \\
&:= (9/9 + 9 + 9) \times ((9 \times 9 \times 9 + 9) / (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6940 &:= (11-1) \times (11 + ((1 + (1+1)^{11}) / (1+1+1))) \\
&:= 2 \times (((2+2+2) \times (((22+2)^2) + 2)) + 2) \\
&:= 3 \times 3^3 + (((3 \times (3+3)) + 3/3)^3) \\
&:= 4 \times (4 \times 444 - 44 + 4) - 4 \\
&:= 5 + ((5 \times 5 \times 5 \times 55 + 55) + 5) \\
&:= ((66 - 6) / 6) + (66 \times (666/6 - 6)) \\
&:= ((77 - 7) / 7) \times (((7 \times 7 \times (7+7)) + 7/7) + 7) \\
&:= (((8+8)/8) + 8) \times ((8 - 88) / 8 + 8 \times 88) \\
&:= 9 + (99 \times (9 \times 9 - 99/9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6945 &:= 1 + ((1+111) \times (1 + ((1+11^{1+1}) / (1+1)))) \\
&:= ((2 \times ((2 \times 22) - 2))^2) - 222/2 \\
&:= 33 + ((3/3 + 3) \times (3 \times 3 + 3)^3) \\
&:= 4/4 + 4 \times (4 \times 444 - 44 + 4) \\
&:= 5 \times 5 \times (5 \times 55 + 5) - 55 \\
&:= 6 \times 66 + (6666 - (666/6 + 6)) \\
&:= ((77 + 7)^{(7+7)/7}) - 777/7 \\
&:= 8/8 + (8 \times (888 - 8) - (88 + 8)) \\
&:= (9 - 9/9) \times (9 \times 99 - 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6936 &:= (1+11) \times (1 + (1 + (((1+1) \times (1+11))^{1+1}))) \\
&:= 2 \times ((2+2+2) \times (((22+2)^2) + 2)) \\
&:= 3 + ((33 \times ((3+3)^3 - (3+3))) + 3) \\
&:= 4 + 4 \times (4 \times 444 - 44) + 4 \\
&:= (55/5 \times ((5^5 + 5)/5 + 5)) - 5 \\
&:= 6 + (66 \times (666/6 - 6)) \\
&:= 77 + ((7 \times (7+7) \times (77-7)) - 7/7) \\
&:= 8 + (((88 + 8) \times (8 \times 8 + 8) + 8) + 8) \\
&:= 99 \times (9 \times 9 - 9) - (999/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6941 &:= 1 + ((11-1) \times (11 + ((1 + (1+1)^{11}) / (1+1+1)))) \\
&:= 2/2 + (2 \times (((2+2+2) \times (((22+2)^2) + 2)) + 2)) \\
&:= 33/3 + (33 \times ((3+3)^3 - (3+3))) \\
&:= 4/4 + 4 \times (4 \times 444 - 44 + 4) - 4 \\
&:= 55/5 \times ((5^5 + 5)/5 + 5) \\
&:= 66/6 + (66 \times (666/6 - 6)) \\
&:= 77 + ((7/7 + 77) \times (77/7 + 77)) \\
&:= 88/8 \times (8 \times (88 - 8) - (8/8 + 8)) \\
&:= 99/9 + 99 \times (9 \times 9 - 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6946 &:= 1 + (1 + ((1+111) \times (1 + ((1+11^{1+1}) / (1+1)))) \\
&:= 222 + (((2 \times 2 \times (22 - 2)) + 2)^2) \\
&:= 3 + (3333/3 + (3 \times (3+3))^3) \\
&:= 4 + ((4+4)/4 \times ((4+4)^4 - (4/4 + 4)^4)) \\
&:= 5 + (55/5 \times ((5^5 + 5)/5 + 5)) \\
&:= 6 \times 6 \times 6 + (((6+6)/6)^6 + 6666) \\
&:= 7 + (((7+7)/7 + 7) \times ((777 - 7) + 7/7)) \\
&:= 8 + (((8/8 - 8 \times 8) \times ((8 - 888)/8)) + 8) \\
&:= 9 + ((9 - (9+9)/9) \times ((999 - 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6937 &:= 1 + ((1+11) \times (1 + (1 + (((1+1) \times (1+11))^{1+1})))) \\
&:= 2 + (((2 \times ((2 \times 22) - 2))^2) - (22/2)^2) \\
&:= 3 \times 3^3 + (((3 \times (3+3)) + 3/3)^3) - 3) \\
&:= 4 + 4/4 + 4 \times (4 \times 444 - 44) + 4 \\
&:= 5 + ((5 \times 5 \times 5 \times 55 + ((5+5)/5)) + 55) \\
&:= 6 + ((66 \times (666/6 - 6)) + 6/6) \\
&:= 77 + (7 \times (7+7) \times (77-7)) \\
&:= 8 + (8 \times (888 - 8) - 888/8) \\
&:= (9 - (9+9)/9) \times ((999 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6942 &:= (1+1) \times (11 + ((1+1) \times (1 + (1 + ((1+11)^{1+1+1})))) \\
&:= 2 + (2 \times (((2+2+2) \times (((22+2)^2) + 2)) + 2)) \\
&:= 3 + ((33 \times ((3+3)^3 - (3+3))) + 3 \times 3) \\
&:= (4+4)/4 \times ((4+4)^4 - (4/4 + 4)^4) \\
&:= 5/5 + (55/5 \times ((5^5 + 5)/5 + 5)) \\
&:= 6 + ((66 \times (666/6 - 6)) + 6/6) \\
&:= (7/7 + 77) \times ((77 + 7)/7 + 77) \\
&:= (8/8 + 88) \times ((8 - 88) / 8 + 88) \\
&:= (99 + 9) / 9 + 99 \times (9 \times 9 - 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6947 &:= 11 + ((1+11) \times (1 + (1 + (((1+1) \times (1+11))^{1+1})))) \\
&:= 2 + (((2 \times ((2 \times 22) - 2))^2) - 222/2) \\
&:= 3 + ((33 - 3/3) \times ((3+3)^3 + 3/3)) \\
&:= ((4 - 4/4) \times (((4 - 4/4) + 4)^4)) - 4^4 \\
&:= (55/5 \times ((5^5 + 5 + 5)/5 + 5)) - 5 \\
&:= 6 + ((66 \times (666/6 - 6)) + (66/6)) \\
&:= ((7+7) \times (7 \times (77-7) + 7)) - 77/7 \\
&:= 88 + ((88/8 + 8)^{88/8 - 8}) \\
&:= 9 + ((99 \times (9 \times 9 - 99/9) - 9/9) + 9)
\end{aligned}$$

- ▶ 6948 := $(1+11) \times (1+(1+(1+((1+1) \times (1+11))^{1+1})))$
:= $2 \times ((2 \times (2222 - 22^2)) - 2)$
:= $(3/3 + 3) \times ((3 \times 3 + 3)^3 + 3 \times 3)$
:= $4 + 4 \times (4 \times 444 - 44 + 4)$
:= $(5 - 5/5) \times (((5555 + 5^5) + 5)/5)$
:= $6 \times ((6 \times ((6 \times (6 \times 6 - 6) + 6) + 6)) + 6)$
:= $77 + ((7 \times (7 + 7) \times (77 - 7)) + (77/7))$
:= $(8/8 + 8) \times (8 \times (88 + 8) + 8 \times 8/(8 + 8))$
:= $9 + (99 \times (9 \times 9 - 99/9) + 9)$
- ▶ 6949 := $(1+1)^{1+1+11} - (11 \times (1+1+111))$
:= $2 + (((2 \times ((2 \times 22) - 2)^2) - 222/2) + 2)$
:= $3 \times (3^3 + 3) + (((3 \times (3 + 3)) + 3/3)^3)$
:= $((4^4 - 4)/4) \times 444/4 - 44$
:= $5 + ((55 + 5/5) \times (5 \times 5 \times 5 - 5/5))$
:= $66 + ((6666 + 6 \times 6 \times 6) + 6/6)$
:= $7 + ((7/7 + 77) \times ((77 + 7)/7 + 77))$
:= $((88 - 8) \times (88 - 8/8)) - 88/8$
:= $((99 - 9/9) \times (9 \times 9 - (9/9 + 9))) - 9$
- ▶ 6950 := $1 + (((1+1)^{1+1+11}) - (11 \times (1+1+111)))$
:= $(2 \times (2 \times (2222 - 22^2))) - 2$
:= $3 + (((33 - 3/3) \times ((3 + 3)^3 + 3/3)) + 3)$
:= $(4 + 4)/4 \times (((4 + 4)^4 - (4/4 + 4)^4) + 4)$
:= $5 \times (((5 \times 5 \times 55 + 5) + 5) + 5)$
:= $6 + ((666 + 6)/6 \times (((6 + 6)/6 - 6) + 66))$
:= $((7 + 7) \times (7 \times (77 - 7) + 7)) - (7/7 + 7)$
:= $((8 + 8)/8 + 8) \times (8 \times 88 - (8/8 + 8))$
:= $9 + (99 \times (9 \times 9 - 99/9) + (99/9))$
- ▶ 6951 := $(11 + (11 - 1)) \times (1 + ((1 + 1 + 1) \times (111 - 1)))$
:= $(2 \times (2 \times (2222 - 22^2))) - 2/2$
:= $3 + ((3/3 + 3) \times ((3 \times 3 + 3)^3 + 3 \times 3))$
:= $((4^4 + 4)/4) \times (444/4 - 4) - 4$
:= $(5/5 + 5)^5 - 55 \times (5 + 5 + 5)$
:= $6 \times 66 + (6666 - 666/6)$
:= $((7 + 7) \times (7 \times (77 - 7) + 7)) - 7$
:= $(8 \times (888 - 8)) - (8/8 + 88)$
:= $((9/9 - 9 \times 9) \times ((99 + 9)/9 - 99)) - 9$
- ▶ 6952 := $(1+1) \times ((1+1) \times (11 + (((1+11)^{1+1+1}) - 1)))$
:= $2 \times (2 \times (2222 - 22^2))$
:= $3 + (((3 \times (3 + 3)) + 3/3)^3) + 3 \times (3^3 + 3)$
:= $44 \times (4 \times (44 - 4) - (4 + 4)/4)$
:= $55/5 \times ((5^5 + 5 + 5)/5 + 5)$
:= $66/6 \times (((6 + 6)/6) - 6 \times 6) + 666$
:= $7/7 + (((7 + 7) \times (7 \times (77 - 7) + 7)) - 7)$
:= $88 \times (88 - (8/8 + 8))$
:= $(9 \times 9 - ((9 + 9)/9)) \times (99 - (99/9))$
- ▶ 6953 := $((1+11^{1+1}) \times (1 + (1+111)/(1+1))) - 1$
:= $2/2 + (2 \times (2 \times (2222 - 22^2)))$
:= $3 \times 3 + ((33 - 3/3) \times ((3 + 3)^3 + 3/3))$
:= $4 + (((4^4 - 4)/4) \times 444/4 - 44)$
:= $55 + ((5 \times (5 \times 5 \times 55 + 5)) - ((5 + 5)/5))$
:= $6666 + (6 \times (6 \times 6 + 6 + 6) - 6/6)$
:= $(7 + 7)/7 + (((7 + 7) \times (7 \times (77 - 7) + 7)) - 7)$
:= $8/8 + (88 \times (88 - (8/8 + 8)))$
:= $9 + ((9999 + 9)/9 + 9 \times 9 \times (9 \times 9 - 9))$
- ▶ 6954 := $(1+11^{1+1}) \times (1 + (1+111)/(1+1))$
:= $2 + (2 \times (2 \times (2222 - 22^2)))$
:= $3^3 + ((33 \times ((3 + 3)^3 - (3 + 3))) - 3)$
:= $((4^4 + 4)/4 - 4) \times ((444 - 4)/4 + 4)$
:= $55 + ((5 \times (5 \times 5 \times 55 + 5)) - 5/5)$
:= $6666 + 6 \times (6 \times 6 + 6 + 6)$
:= $7 + (((7 + 7) \times (7 \times (77 - 7) + 7)) - (77/7))$
:= $(8 + 8)/8 + (88 \times (88 - (8/8 + 8)))$
:= $9 + ((9 - 9/9) \times (9 \times 99 - 9) - 999/9)$
- ▶ 6955 := $1 + ((1+11^{1+1}) \times (1 + (1+111)/(1+1)))$
:= $((2 \times 2 \times 22 - 2)^2) - ((22 - 2/2)^2)$
:= $3 \times 33 + (((3 \times (3 + 3)) + 3/3)^3 - 3)$
:= $(4^4 + 4)/4 \times (444/4 - 4)$
:= $55 + (5 \times (5 \times 5 \times 55 + 5))$
:= $(6/6 - 66) \times (6/6 - 6 \times (6 + 6 + 6))$
:= $(7 - 7/7 + 7) \times ((7 \times 77 - (77/7)) + 7)$
:= $(8/8 + 8 \times 8) \times ((88/8 + 88) + 8)$
:= $99 \times (9 \times 9 - 9) - (99/9 + 9 \times (9 + 9))$
- ▶ 6956 := $(1+1) \times ((1+1) \times (11 + ((1+11)^{1+1+1})))$
:= $2 \times (2 \times (2222 - 22^2)) + 2$
:= $(3/3 + 3) \times ((3 \times 3 + 3)^3 + 33/3)$
:= $44 + (4 \times (4 \times (4 \times 44 + 4^4)))$
:= $5 + ((5/5 + 5)^5 - 55 \times (5 + 5 + 5))$
:= $((6 + 6 + 6) \times (6 \times 66 - 6)) - ((6 + 6)/6)^6$
:= $((7 + 7) \times (7 \times (77 - 7) + 7)) - (7 + 7)/7$
:= $8 \times 888 + (888/((8 + 8)/8) - 8)$
:= $99 \times (9 \times 9 - 9) - ((9 \times (9 + 9) + 9/9) + 9)$
- ▶ 6957 := $1 + ((1+1) \times ((1+1) \times (11 + ((1+11)^{1+1+1}))))$
:= $2 + (((2 \times 2 \times 22 - 2)^2) - ((22 - 2/2)^2))$
:= $3 \times ((3 \times (3^{3+3} + 33)) + 33)$
:= $44 + ((4 \times (4 \times (4 \times 44 + 4^4))) + 4/4)$
:= $5 + (55/5 \times ((5^5 + 5 + 5)/5 + 5))$
:= $6 \times 66 + ((6 \times 6/(6 + 6))^{6+(6+6)/6})$
:= $((7 + 7) \times (7 \times (77 - 7) + 7)) - 7/7$
:= $(8 \times (888 - 8 - 8)) - (88/8 + 8)$
:= $99 \times (9 \times 9 - 9) - (9 \times (9 + 9) + 9)$
- ▶ 6958 := $(1+1) \times (1 + ((1+1) \times (11 + ((1+11)^{1+1+1}))))$
:= $2 \times (((2 \times (22 + 2)) + 22/2)^2) - 2$
:= $3 \times 33 + (((3 \times (3 + 3)) + 3/3)^3)$
:= $(4 \times ((4 \times (444 - (4 + 4))) - 4)) - (4 + 4)/4$
:= $5^5 + (((5/5 + 5)^5)/(5 + 5)/5) - 55$
:= $6 + ((66/6) \times (((6 + 6)/6) - 6 \times 6) + 666)$
:= $(7 + 7) \times (7 \times (77 - 7) + 7)$
:= $((88 - 8) \times (88 - 8/8)) - (8 + 8)/8$
:= $(99 - 9/9) \times (9 \times 9 - (9/9 + 9))$
- ▶ 6959 := $((1+1)^{1+1+11}) - (1 + (11 \times (1+111)))$
:= $(22 - 2)^2 + ((2/2 + 2)^{2 \times (2+2)} - 2)$
:= $3 + ((3/3 + 3) \times ((3 \times 3 + 3)^3 + 33/3))$
:= $4 + ((4^4 + 4)/4 \times (444/4 - 4))$
:= $((55 + 5) \times (555/5 + 5)) - 5/5$
:= $((6 - 66) \times (((6 - 666)/6) - 6)) - 6/6$
:= $7/7 + ((7 + 7) \times (7 \times (77 - 7) + 7))$
:= $((88 - 8) \times (88 - 8/8)) - 8/8$
:= $9/9 + ((99 - 9/9) \times (9 \times 9 - (9/9 + 9)))$
- ▶ 6960 := $((1+1)^{1+1+11}) - (11 \times (1+111))$
:= $(22 + 2) \times (((22 + 2)^2)/2) + 2$
:= $(3^3 + 3) \times ((3^{3+3} - 33)/3)$
:= $4 \times ((4 \times (444 - (4 + 4))) - 4)$
:= $(55 + 5) \times (555/5 + 5)$
:= $(6 - 66) \times (((6 - 666)/6) - 6)$
:= $(7 + 7)/7 + ((7 + 7) \times (7 \times (77 - 7) + 7))$
:= $(88 - 8) \times (88 - 8/8)$
:= $(9/9 - 9 \times 9) \times ((99 + 9)/9 - 99)$
- ▶ 6961 := $((11^{1+1} - (1+1+1))^{1+1})/(1+1) - 1$
:= $(22 - 2)^2 + (2/2 + 2)^{2 \times (2+2)}$
:= $3 + (((3 \times (3 + 3)) + 3/3)^3) + 3 \times 33$
:= $4/4 + (4 \times ((4 \times (444 - (4 + 4))) - 4))$
:= $5/5 + ((55 + 5) \times (555/5 + 5))$
:= $6 + ((6/6 - 66) \times (6/6 - 6 \times (6 + 6 + 6)))$
:= $(7 + 7 + 7)/7 + ((7 + 7) \times (7 \times (77 - 7) + 7))$
:= $8/8 + ((88 - 8) \times (88 - 8/8))$
:= $9 + ((9 \times 9 - ((9 + 9)/9)) \times (99 - (99/9)))$
- ▶ 6962 := $((11^{1+1} - (1+1+1))^{1+1})/(1+1)$
:= $2 \times (((2 \times (22 + 2)) + 22/2)^2)$
:= $33 + ((33 \times ((3 + 3)^3 - (3 + 3))) - 3/3)$
:= $(4 + 4)/4 + (4 \times ((4 \times (444 - (4 + 4))) - 4))$
:= $5 + ((55/5 \times ((5^5 + 5 + 5)/5 + 5)) + 5)$
:= $((6 + 6)/6) \times (((66 - 6/6 - 6)^{(6+6)/6})$
:= $77/7 + (((7 + 7) \times (7 \times (77 - 7) + 7)) - 7)$
:= $(8 + 8)/8 + ((88 - 8) \times (88 - 8/8))$
:= $9 \times 9 \times 9 + (((9 + 9)/9)^9) - 999/9$

- ▶ 6963 := $1 + (((11^{1+1} - (1+1+1))^{1+1}) / (1+1))$
:= $2 + ((2/2 + 2)^{2 \times (2+2)} + (22 - 2)^2)$
:= $33 + (33 \times ((3+3)^3 - (3+3)))$
:= $44/4 \times (((4/4 + 4)^4 + 4) + 4)$
:= $55/5 \times (((5^5 - 5 - 5) / 5 + 5) + 5)$
:= $66/6 \times (666 - (66 \times 6 / (6+6)))$
:= $7 + (((7+7) \times (7 \times (77 - 7) + 7)) - ((7+7)/7))$
:= $88/8 + (88 \times (88 - (8/8 + 8)))$
:= $9 \times 9 + (999/9 \times (9 \times 9 - (9/9 + 9 + 9)))$
- ▶ 6964 := $1 + (1 + (((11^{1+1} - (1+1+1))^{1+1}) / (1+1)))$
:= $2 + (2 \times ((2 \times (22 + 2)) + 22/2)^2)$
:= $3 + (((3 \times (3+3)) + 3/3)^3 + 3 \times 33 + 3)$
:= $4 + (4 \times ((4 \times (444 - (4+4))) - 4))$
:= $5 \times (5 \times (5 \times 55 + 5) - 5) - 55/5$
:= $6 \times 6 + ((66 \times (666/6 - 6)) - ((6+6)/6))$
:= $7 + (((7+7) \times (7 \times (77 - 7) + 7)) - 7/7)$
:= $(8 \times (888 - 8 - 8)) - (88 + 8)/8$
:= $99 \times (9 \times 9 - 9) - (((9+9)/9) + 9 \times (9+9))$
- ▶ 6965 := $1 + (1 + (1 + (((11^{1+1} - (1+1+1))^{1+1}) / (1+1))))$
:= $2 + (((2/2 + 2)^{2 \times (2+2)} + (22 - 2)^2) + 2)$
:= $(33 \times ((3+3)^3 - 3) - ((3/3 + 3)^3))$
:= $(4 \times (4 \times (444 - (4+4)))) - 44/4$
:= $5 + ((55 + 5) \times (555/5 + 5))$
:= $6 \times 6 + ((66 \times (666/6 - 6)) - 6/6)$
:= $7 + ((7+7) \times (7 \times (77 - 7) + 7))$
:= $(8 \times (888 - 8 - 8)) - 88/8$
:= $99 \times (9 \times 9 - 9) - (9 \times (9+9) + 9/9)$
- ▶ 6966 := $(1+1+1) \times (1 + (11 \times ((1+1) \times 111 - 11)))$
:= $2 \times (((2 \times (22 + 2)) + 22/2)^2) + 2$
:= $(3+3) \times ((33 \times (33+3)) - 3^3)$
:= $(44/4 + 4 \times 4) \times ((4+4)/4 + 4^4)$
:= $5 \times 5 + (55/5 \times ((5^5 + 5) / 5 + 5))$
:= $6 \times 6 + (66 \times (666/6 - 6))$
:= $7 + (((7+7) \times (7 \times (77 - 7) + 7)) + 7/7)$
:= $(8 - 88) / 8 + (8 \times (888 - 8 - 8))$
:= $9 \times (9 \times 99 - (99 + 9 + 9))$
- ▶ 6967 := $1 + ((1+1+1) \times (1 + (11 \times ((1+1) \times 111 - 11))))$
:= $(2 \times (2 \times ((2 \times 22 - 2)^2 - 22))) - 2/2$
:= $(3 \times (33 + 3)) + (((3 \times (3+3)) + 3/3)^3)$
:= $4 + (44/4 \times (((4/4 + 4)^4 + 4) + 4))$
:= $5 + (((55/5 \times ((5^5 + 5 + 5) / 5 + 5)) + 5) + 5)$
:= $6 \times 6 + ((66 \times (666/6 - 6)) + 6/6)$
:= $7 + (((7+7) \times (7 \times (77 - 7) + 7)) + ((7+7)/7))$
:= $(8 \times (888 - 8 - 8)) - (8/8 + 8)$
:= $9 + ((99 - 9/9) \times (9 \times 9 - (9/9 + 9)))$
- ▶ 6968 := $111 + (((((1+1) \times (11 - 1)) - 1)^{1+1+1}) - (1+1))$
:= $2 \times (2 \times ((2 \times 22 - 2)^2 - 22))$
:= $3 + ((33 \times ((3+3)^3 - 3) - ((3/3 + 3)^3))$
:= $(4 \times (4 \times (444 - (4+4)))) - 4 - 4$
:= $5 \times 5 \times (5 \times 55 + 5) - ((5+5)/5)^5$
:= $(66 + 6/6) \times (((666 - 6)/6) - 6)$
:= $(7/7 + 7) \times (7 \times (77 + 7 \times 7) - (77/7))$
:= $(8 \times (888 - 8 - 8)) - 8$
:= $(9 - 9/9) \times (9 \times 99 - (99/9 + 9))$
- ▶ 6969 := $111 + (((((1+1) \times (11 - 1)) - 1)^{1+1+1}) - 1)$
:= $2/2 + (2 \times (2 \times ((2 \times 22 - 2)^2 - 22)))$
:= $3 + ((3+3) \times ((33 \times (33+3)) - 3^3))$
:= $(((4 - 4/4)^4 + 4)^{(4+4)/4}) - 4^4$
:= $5 \times (5 \times (5 \times 55 + 5) - 5) - (5/5 + 5)$
:= $((66 + 6/6) \times (666/6 - 6)) - 66$
:= $77/7 + ((7+7) \times (7 \times (77 - 7) + 7))$
:= $8/8 + ((8 \times (888 - 8 - 8)) - 8)$
:= $9 + ((9/9 - 9 \times 9) \times ((99 + 9)/9 - 99))$
- ▶ 6970 := $111 + (((((1+1) \times (11 - 1)) - 1)^{1+1+1})$
:= $2 + (2 \times (2 \times ((2 \times 22 - 2)^2 - 22)))$
:= $333/3 + (((3 \times (3+3)) + 3/3)^3)$
:= $4 + ((44/4 + 4 \times 4) \times ((4+4)/4 + 4^4))$
:= $5 \times (5 \times (5 \times 55 + 5) - 5) - 5$
:= $(6 \times 6 - ((6+6)/6)) \times (6 \times 6 \times 6 - (66/6))$
:= $(77 + 7)/7 + ((7+7) \times (7 \times (77 - 7) + 7))$
:= $(8 + 8)/8 + ((8 \times (888 - 8 - 8)) - 8)$
:= $9 \times 9 + (((9+9)/9) + 9 \times 9)^{(9+9)/9}$
- ▶ 6971 := $((1+1)^{1+1+1+1}) - 11 \times 111$
:= $2 + ((2 \times (2 \times ((2 \times 22 - 2)^2 - 22))) + 2/2)$
:= $3^3 + ((33 - 3/3) \times ((3+3)^3 + 3/3))$
:= $(4 \times (4 \times (444 - (4+4)))) - 4/4 - 4$
:= $5/5 + (5 \times (5 \times (5 \times 55 + 5) - 5) - 5)$
:= $6 + (((66 \times (666/6 - 6)) - 6/6) + 6 \times 6)$
:= $777/7 + (7 \times (7+7) \times (77 - 7))$
:= $88/8 + ((88 - 8) \times (88 - 8/8))$
:= $9/9 + (((9+9)/9) + 9 \times 9)^{(9+9)/9} + 9 \times 9$
- ▶ 6972 := $1 + (((1+1)^{1+1+1+1}) - 11 \times 111)$
:= $2 \times ((2 \times ((2 \times 22 - 2)^2 - 22)) + 2)$
:= $(3/3 + 3 + 3) \times (3 \times 333 - 3)$
:= $(4 \times (4 \times (444 - (4+4)))) - 4$
:= $(5+5)/5 + (5 \times (5 \times (5 \times 55 + 5) - 5) - 5)$
:= $6 + ((66 \times (666/6 - 6)) + 6 \times 6)$
:= $(77 + 7) \times (77 - 7/7 + 7)$
:= $(8 \times (888 - 8 - 8)) - 8 \times 8 / (8 + 8)$
:= $(9 - (9 + 9)/9) \times (999 - ((9 + 9 + 9)/9))$
- ▶ 6973 := $1 + (1 + (((1+1)^{1+1+1+1}) - 11 \times 111))$
:= $2/2 + (2 \times ((2 \times ((2 \times 22 - 2)^2 - 22)) + 2))$
:= $3 + (((3 \times (3+3)) + 3/3)^3) + 333/3$
:= $4/4 + ((4 \times (4 \times (444 - (4+4)))) - 4)$
:= $5 \times (5 \times (5 \times 55 + 5) - 5) - (5+5)/5$
:= $(6^{6-6/6}) - (66 \times (6+6) + (66/6))$
:= $7/7 + ((77 + 7) \times (77 - 7/7 + 7))$
:= $8 + ((8 \times (888 - 8 - 8)) - (88/8))$
:= $999 \times (9 - (9 + 9)/9) - (99/9 + 9)$
- ▶ 6974 := $11 \times (1 + ((1+1+1) \times ((1+1) \times 111 - 11)))$
:= $(2 \times (2^{2+2} \times (222 - 2 - 2))) - 2$
:= $33/3 \times (3 \times (3+3)^3 - (33/3 + 3))$
:= $(4 \times (4 \times (444 - (4+4)))) - (4+4)/4$
:= $55/5 \times (((5^5 - 5) / 5 + 5) + 5)$
:= $6 + ((66 + 6/6) \times (((666 - 6)/6) - 6))$
:= $(7 + 7)/7 + ((77 + 7) \times (77 - 7/7 + 7))$
:= $(8 \times (888 - 8 - 8)) - (8 + 8)/8$
:= $9 \times 9 \times 9 + (((9+9)/9)^9) - 99$
- ▶ 6975 := $((111 - 1 - 1) \times ((1+1)^{(1+1) \times (1+1+1)})) - 1$
:= $((2 \times ((2 \times 22) - 2))^2) - (2/2 + 2)^{2+2}$
:= $3 + ((3/3 + 3 + 3) \times (3 \times 333 - 3))$
:= $(4 \times (4 \times (444 - (4+4)))) - 4/4$
:= $5 \times (5 \times (5 \times 55 + 5) - 5)$
:= $(6 - 6/6) \times (((6 \times 6 / (6+6))^6) + 666)$
:= $((7 + 7)/7 + 7) \times (777 - ((7 + 7)/7))$
:= $(8 \times (888 - 8 - 8)) - 8/8$
:= $9 + (9 \times (9 \times 99 - (99 + 9 + 9)))$
- ▶ 6976 := $(111 - 1 - 1) \times ((1+1)^{(1+1) \times (1+1+1)})$
:= $2 \times (2^{2+2} \times (222 - 2 - 2))$
:= $(33 - 3/3) \times (((3+3)^3 - 3/3) + 3)$
:= $4 \times (4 \times (444 - (4+4)))$
:= $5/5 + 5 \times (5 \times (5 \times 55 + 5) - 5)$
:= $((6+6)/6)^6 \times (6 \times (6+6+6) + 6/6)$
:= $7 + (((7+7) \times (7 \times (77 - 7) + 7)) + (77/7))$
:= $8 \times (888 - 8 - 8)$
:= $(9 - 9/9) \times (9 \times 99 - (9/9 + 9 + 9))$
- ▶ 6977 := $1 + ((111 - 1 - 1) \times ((1+1)^{(1+1) \times (1+1+1)}))$
:= $2/2 + (2 \times (2^{2+2} \times (222 - 2 - 2)))$
:= $33 + ((33 - 3/3) \times ((3+3)^3 + 3/3))$
:= $4/4 + (4 \times (4 \times (444 - (4+4))))$
:= $(5+5)/5 + 5 \times (5 \times (5 \times 55 + 5) - 5)$
:= $(6^{6-6/6}) - ((66 \times (6+6) + 6/6) + 6)$
:= $((7 + 7)/7 + 7) \times (777 - 7/7) - 7$
:= $8/8 + (8 \times (888 - 8 - 8))$
:= $((9 - (9 + 9)/9) \times (999 - 9/9)) - 9$

- ▶ **6978** := $1 + (1 + ((111 - 1 - 1) \times ((1 + 1)^{(1+1) \times (1+1+1)})))$
:= $2 + (2 \times (2^{2+2} \times (222 - 2 - 2)))$
:= $3 + (((3/3 + 3 + 3) \times (3 \times 333 - 3)) + 3)$
:= $(4 + 4)/4 + (4 \times (4 \times (444 - (4 + 4))))$
:= $5 + (5 \times (5 \times (5 \times 55 + 5) - 5) - ((5 + 5)/5))$
:= $(6^{6-6/6}) - (66 \times (6 + 6) + 6)$
:= $((77 + 7)^{(7+7)/7}) - 7/7 - 77$
:= $(8 + 8)/8 + (8 \times (888 - 8 - 8))$
:= $9 + (((9/9 - 9 \times 9) \times ((99 + 9)/9 - 99)) + 9)$
- ▶ **6979** := $11^{1+1} + (((((1 + 1) \times (11 - 1)) - 1)^{1+1+1}) - 1)$
:= $2 + ((2 \times (2^{2+2} \times (222 - 2 - 2))) + 2/2)$
:= $(3/3 + 3 + 3) \times (((3 \times 3 + 3/3)^3) - 3)$
:= $4 + ((4 \times (4 \times (444 - (4 + 4)))) - 4/4)$
:= $5 + (55/5 \times (((5^5 - 5)/5 + 5) + 5))$
:= $6/6 + ((6^{6-6/6}) - (66 \times (6 + 6) + 6))$
:= $((77 + 7)^{(7+7)/7}) - 77$
:= $88/8 + ((8 \times (888 - 8 - 8)) - 8)$
:= $(9 - (9 + 9)/9) \times (999 - ((9 + 9)/9))$
- ▶ **6980** := $11^{1+1} + (((((1 + 1) \times (11 - 1)) - 1)^{1+1+1})$
:= $2 \times ((2^{2+2} \times (222 - 2 - 2)) + 2)$
:= $3 + (((33 - 3/3) \times ((3 + 3)^3 + 3/3)) + 33)$
:= $4 + (4 \times (4 \times (444 - (4 + 4))))$
:= $5 + 5 \times (5 \times (5 \times 55 + 5) - 5)$
:= $6 + (((66 + 6/6) \times (((666 - 6)/6) - 6)) + 6)$
:= $7/7 + (((77 + 7)^{(7+7)/7}) - 77)$
:= $8 \times 8/(8 + 8) + (8 \times (888 - 8 - 8))$
:= $9 \times (9 \times 99 + 9) - (9999/9 + 9)$
- ▶ **6981** := $((1 + 1)^{1+1+1+1}) - (1 + (11 \times (111 - 1)))$
:= $2/2 + (2 \times ((2^{2+2} \times (222 - 2 - 2)) + 2))$
:= $3 \times ((3 \times 333 - 3) + (33/3)^3)$
:= $4 + ((4 \times (4 \times (444 - (4 + 4)))) + 4/4)$
:= $5 + (5 \times (5 \times (5 \times 55 + 5) - 5) + 5/5)$
:= $(6^{6-6/6}) - (((6 \times 6/(6 + 6))^6) + 66)$
:= $(7 - 7/7 + 7) \times (7 \times 77 - ((7 + 7)/7))$
:= $8 + (((8 \times (888 - 8 - 8)) - (88/8)) + 8)$
:= $999 \times (9 - (9 + 9)/9) - (99 + 9)/9$
- ▶ **6982** := $((1 + 1)^{1+1+1+1}) - (11 \times (111 - 1))$
:= $2 + (2 \times ((2^{2+2} \times (222 - 2 - 2)) + 2))$
:= $(333 \times ((3 \times (3 + 3)) + 3)) - 33/3$
:= $4 + ((4 \times (4 \times (444 - (4 + 4)))) + (4 + 4)/4)$
:= $5 + (5 \times (5 \times (5 \times 55 + 5) - 5) + ((5 + 5)/5))$
:= $6 + (((6 + 6)/6)^6 \times (6 \times (6 + 6 + 6) + 6/6))$
:= $(777 \times ((7 + 7)/7 + 7)) - 77/7$
:= $8 + ((8 \times (888 - 8 - 8)) - ((8 + 8)/8))$
:= $999 \times (9 - (9 + 9)/9) - 99/9$
- ▶ **6983** := $1 + (((1 + 1)^{1+1+1+1}) - (11 \times (111 - 1)))$
:= $(2 \times (2^{2+2} \times 222)) - (22/2)^2$
:= $((3 - 33)/3) + (333 \times ((3 \times (3 + 3)) + 3))$
:= $4 + (((4 \times (4 \times (444 - (4 + 4)))) - 4/4) + 4)$
:= $5 \times 5 \times (5 \times 55 + 5) - (((55 + 5)/5) + 5)$
:= $(6^{6-6/6}) - (66 \times (6 + 6) + 6/6)$
:= $77/7 + ((77 + 7) \times (77 - 7/7 + 7))$
:= $8 + ((8 \times (888 - 8 - 8)) - 8/8)$
:= $((9 + 9)/9)^9 + (9 \times (9 \times 9 \times 9 - 9) - 9)$
- ▶ **6984** := $1 + (1 + (((1 + 1)^{1+1+1+1}) - (11 \times (111 - 1))))$
:= $(22 + 2) \times (((2^{2+2} + 2/2)^2) + 2)$
:= $3 \times ((333 \times (3/3 + 3 + 3)) - 3)$
:= $4 + ((4 \times (4 \times (444 - (4 + 4)))) + 4)$
:= $5 \times 5 \times (5 \times 55 + 5) - (55/5 + 5)$
:= $(6^{6-6/6}) - 66 \times (6 + 6)$
:= $((7 + 7)/7 + 7) \times (777 - 7/7)$
:= $8 + (8 \times (888 - 8 - 8))$
:= $(9 - 9/9) \times (9 \times 99 - (9 + 9))$
- ▶ **6985** := $11 \times (11 + ((1 + (1 + 1) \times (1 + 11))^{1+1} - 1))$
:= $2 + ((2 \times (2^{2+2} \times 222)) - (22/2)^2)$
:= $3 + ((333 \times ((3 \times (3 + 3)) + 3)) - 33/3)$
:= $((4^4 - 4)/4) \times 444/4 - 4 - 4$
:= $55 \times (5 \times 5 \times 5 + ((5 + 5)/5))$
:= $6/6 + ((6^{6-6/6}) - 66 \times (6 + 6))$
:= $(777 \times ((7 + 7)/7 + 7)) - (7/7 + 7)$
:= $8 + ((8 \times (888 - 8 - 8)) + 8/8)$
:= $9/9 + ((9 - 9/9) \times (9 \times 99 - (9 + 9)))$
- ▶ **6986** := $111 + (11 \times (1 + (1 + 1) \times (1 + 11))^{1+1})$
:= $2 + ((22 + 2) \times (((2^{2+2} + 2/2)^2) + 2))$
:= $(3/3 + 3 + 3) \times (3 \times 333 - 3/3)$
:= $444/4 + (44/4 \times (4/4 + 4)^4)$
:= $555/5 + 5 \times 5 \times 5 \times 55$
:= $(6 + 6)/6 + ((6^{6-6/6}) - 66 \times (6 + 6))$
:= $(777 \times ((7 + 7)/7 + 7)) - 7$
:= $8 + ((8 \times (888 - 8 - 8)) + ((8 + 8)/8))$
:= $(9 - (9 + 9)/9) \times (999 - 9/9)$
- ▶ **6987** := $(1 + 1 + 1) \times (((111 \times (11 + (11 - 1))) - (1 + 1)))$
:= $22/2 + (2 \times (2^{2+2} \times (222 - 2 - 2)))$
:= $(333 \times ((3 \times (3 + 3)) + 3)) - 3 - 3$
:= $44/4 + (4 \times (4 \times (444 - (4 + 4))))$
:= $5 \times 5 \times 5 \times 55 + (555 + 5)/5$
:= $(666/6 \times (66 - (6 \times 6/(6 + 6)))) - 6$
:= $7/7 + ((777 \times ((7 + 7)/7 + 7)) - 7)$
:= $88/8 + (8 \times (888 - 8 - 8))$
:= $9/9 + ((9 - (9 + 9)/9) \times (999 - 9/9))$
- ▶ **6988** := $1 + ((1 + 1 + 1) \times (((111 \times (11 + (11 - 1))) - (1 + 1))))$
:= $2 \times ((2 \times ((2 \times 22 - 2)^2 - 2^{2+2})) - 2)$
:= $3/3 + ((333 \times ((3 \times (3 + 3)) + 3)) - (3 + 3))$
:= $44 \times (4^4 - 4) - ((4 + 4)^4 + 4)$
:= $5 \times 5 \times (5 \times 55 + 5) - (55 + 5)/5$
:= $6 + (((6 + 6)/6)^6 \times (6 \times (6 + 6 + 6) + 6/6)) + 6$
:= $((7 + 7)/7)^7 + (7 \times (7 + 7) \times (77 - 7))$
:= $((88 + 8)/8) + (8 \times (888 - 8 - 8))$
:= $99 + (((9 + 9)/9) + 9 \times 9)^{(9+9)/9}$
- ▶ **6989** := $((11 - 1) \times (11 - 1 - 1))^{1+1} - 1111$
:= $((2 \times 2 \times 22 + 2)^2) - 2222/2$
:= $(333 \times ((3 \times (3 + 3)) + 3)) - (3/3 + 3)$
:= $((4^4 - 4)/4) \times 444/4 - 4$
:= $5 \times 5 \times (5 \times 55 + 5) - 55/5$
:= $6 + ((6^{6-6/6}) - (66 \times (6 + 6) + 6/6))$
:= $7777 - (77/7 + 777)$
:= $88 + ((88 + 8) \times (8 \times 8 + 8) - (88/8))$
:= $9 \times (9 \times 99 + 9) - 9999/9$
- ▶ **6990** := $(1 + 1 + 1) \times (((111 \times (11 + (11 - 1))) - 1))$
:= $22 + (2 \times (2 \times ((2 \times 22 - 2)^2 - 22)))$
:= $(333 \times ((3 \times (3 + 3)) + 3)) - 3$
:= $4/4 + (((4^4 - 4)/4) \times 444/4 - 4)$
:= $5 \times 5 \times (5 \times 55 + 5) - 5 - 5$
:= $6 + ((6^{6-6/6}) - 66 \times (6 + 6))$
:= $77/7 + (((77 + 7)^{(7+7)/7}) - 77)$
:= $8 + (((8 \times (888 - 8 - 8)) - ((8 + 8)/8)) + 8)$
:= $(9/9 + 9) \times (9 \times (9 \times 9 + 9) - 999/9)$
- ▶ **6991** := $1 + ((1 + 1 + 1) \times (((111 \times (11 + (11 - 1))) - 1)))$
:= $(222/2 \times (2^{2+2+2} - 2/2)) - 2$
:= $3/3 + ((333 \times ((3 \times (3 + 3)) + 3)) - 3)$
:= $44 \times (4^4 - 4) - ((4 + 4)^4 + 4/4)$
:= $(55/5 \times ((55 + 5^5)/5)) - 5$
:= $6 + (((6^{6-6/6}) - 66 \times (6 + 6)) + 6/6)$
:= $7 + (((7 + 7)/7 + 7) \times (777 - 7/7))$
:= $8 + (((8 \times (888 - 8 - 8)) - 8/8) + 8)$
:= $999 \times (9 - (9 + 9)/9) - (9 + 9)/9$
- ▶ **6992** := $((1 + 1 + 1) \times (111 \times (11 + (11 - 1)))) - 1$
:= $2 \times (2 \times ((2 \times 22 - 2)^2 - 2^{2+2}))$
:= $(333 \times ((3 \times (3 + 3)) + 3)) - 3/3$
:= $4 \times ((4 \times (444 - (4 + 4)))) + 4$
:= $5 + (5 \times 5 \times 5 \times 55 + (555 + 5)/5)$
:= $6 + (((6^{6-6/6}) - 66 \times (6 + 6)) + ((6 + 6)/6))$
:= $(777 \times ((7 + 7)/7 + 7)) - 7/7$
:= $8 + ((8 \times (888 - 8 - 8)) + 8)$
:= $((9 + 9)/9)^9 + 9 \times (9 \times 9 \times 9 - 9)$

$$\begin{aligned}
\blacktriangleright 6993 &:= (1+1+1) \times (111 \times (11 + (11-1))) \\
&:= 222/2 \times (2^{2+2+2} - 2/2) \\
&:= 333 \times ((3 \times (3+3)) + 3) \\
&:= ((4^4 - 4)/4) \times 444/4 \\
&:= ((5+5)/5 + 5) \times ((5-5/5)^5 - 5 \times 5) \\
&:= 666/6 \times (66 - (6 \times 6/(6+6))) \\
&:= 777 \times ((7+7)/7 + 7) \\
&:= (8 \times 8 - 8/8) \times 888/8 \\
&:= 999 \times (9 - (9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6994 &:= 1 + ((1+1+1) \times (111 \times (11 + (11-1)))) \\
&:= (2 \times 2 \times (22+2))^2 - 2222 \\
&:= 3/3 + (333 \times ((3 \times (3+3)) + 3)) \\
&:= 4/4 + (((4^4 - 4)/4) \times 444/4) \\
&:= 5 \times 5 \times (5 \times 55 + 5) - (5/5 + 5) \\
&:= ((6+6)/6)^6 + (66 \times (666/6 - 6)) \\
&:= 7/7 + (777 \times ((7+7)/7 + 7)) \\
&:= 8 \times 888 + ((8 - 888)/8) \\
&:= 9/9 + 999 \times (9 - (9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6995 &:= 1 + (1 + ((1+1+1) \times (111 \times (11 + (11-1))))) \\
&:= 2 + (222/2 \times (2^{2+2+2} - 2/2)) \\
&:= 3 + ((333 \times ((3 \times (3+3)) + 3)) - 3/3) \\
&:= (4 \times 4 \times (444 - 4)) - (44 + 4/4) \\
&:= 5 \times 5 \times (5 \times 55 + 5) - 5 \\
&:= (66 \times ((666 + 6)/6 - 6)) - 6/6 \\
&:= (7+7)/7 + (777 \times ((7+7)/7 + 7)) \\
&:= 8 + ((8 \times (888 - 8 - 8)) + (88/8)) \\
&:= 9 + ((9 - (9+9)/9) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6996 &:= 11 \times (11 + (1 + (1+1) \times (1+11))^{1+1}) \\
&:= 22 \times ((2^{2+2} \times (22-2)) - 2) \\
&:= 3 + (333 \times ((3 \times (3+3)) + 3)) \\
&:= 44 \times (4 \times (44 - 4) - 4/4) \\
&:= 55/5 \times ((55 + 5^5)/5) \\
&:= 66 \times ((666 + 6)/6 - 6) \\
&:= (77 \times (77 + 7 + 7)) - 77/7 \\
&:= (8 \times (888 - 8)) - (88/(8+8)/8) \\
&:= 99/9 \times (9 \times (9 \times 9 - 9) - (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6997 &:= 1 + (11 \times (11 + (1 + (1+1) \times (1+11))^{1+1})) \\
&:= 2/2 + (22 \times ((2^{2+2} \times (22-2)) - 2)) \\
&:= 3 + ((333 \times ((3 \times (3+3)) + 3)) + 3/3) \\
&:= 4 + (((4^4 - 4)/4) \times 444/4) \\
&:= 5/5 + (55/5 \times ((55 + 5^5)/5)) \\
&:= 6/6 + (66 \times ((666 + 6)/6 - 6)) \\
&:= ((7-77)/7) + (77 \times (77 + 7 + 7)) \\
&:= 8 \times 888 - ((88/8 + 88) + 8) \\
&:= 9 + (((9+9)/9) + 9 \times 9)^{(9+9)/9} + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6998 &:= ((1+1+1) \times (111 + ((1+1) \times 111))) - 1 \\
&:= 2 + (22 \times ((2^{2+2} \times (22-2)) - 2)) \\
&:= 3 + (((333 \times ((3 \times (3+3)) + 3)) - 3/3) + 3) \\
&:= 4 + (((4^4 - 4)/4) \times 444/4) + 4/4 \\
&:= 5 \times 5 \times (5 \times 55 + 5) - (5+5)/5 \\
&:= (6+6)/6 + (66 \times ((666 + 6)/6 - 6)) \\
&:= 7777 - (((7+7)/7) + 777) \\
&:= 88 + ((88+8) \times (8 \times 8 + 8) - ((8+8)/8)) \\
&:= 9 + (9 \times (9 \times 99 + 9) - 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 6999 &:= (1+1+1) \times (111 + ((1+1) \times 111)) \\
&:= (2/2 + 2) \times (222/2 + 2222) \\
&:= 3 + ((333 \times ((3 \times (3+3)) + 3)) + 3) \\
&:= ((44 - 4) \times (4 \times 44 - 4/4)) - 4/4 \\
&:= 5 \times 5 \times (5 \times 55 + 5) - 5/5 \\
&:= 6666 + 666 \times 6/(6+6) \\
&:= 7777 - (777 + 7/7) \\
&:= 88 + ((88+8) \times (8 \times 8 + 8) - 8/8) \\
&:= 99 \times (9 \times 9 - 9) - ((999/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7000 &:= (1 + ((1+1) \times (1+1+1))) \times (11-1)^{1+1+1} \\
&:= (2-22) \times (2 - (22 \times 2^{2+2})) \\
&:= (3/3 + 3 + 3) \times ((3 \times 3 + 3/3)^3) \\
&:= (44 - 4) \times (4 \times 44 - 4/4) \\
&:= 5 \times 5 \times (5 \times 55 + 5) \\
&:= (6/6 + 6) \times (((66 - 6)/6)^{6 \times 6/(6+6)}) \\
&:= 7777 - 777 \\
&:= 88 + (88 + 8) \times (8 \times 8 + 8) \\
&:= (9 - (9+9)/9) \times (999 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7001 &:= 1 + ((1 + ((1+1) \times (1+1+1))) \times (11-1)^{1+1+1}) \\
&:= 2/2 + ((2-22) \times (2 - (22 \times 2^{2+2}))) \\
&:= ((33/3 + 3 \times 3)^3) - 3 \times 333 \\
&:= 444 + (((4-4/4)^{4+4}) - 4) \\
&:= 5/5 + 5 \times 5 \times (5 \times 55 + 5) \\
&:= 6 + ((66 \times ((666 + 6)/6 - 6)) - 6/6) \\
&:= 7/7 + (7777 - 777) \\
&:= 8 + ((8 \times 8 - 8/8) \times 888/8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) + ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7002 &:= (1+1+1) \times (1 + (111 + ((1+1) \times 111))) \\
&:= 2 + ((2-22) \times (2 - (22 \times 2^{2+2}))) \\
&:= (33 \times ((3+3)^3 - 3)) - 3^3 \\
&:= 4/4 + (((4-4/4)^{4+4}) - 4) + 444 \\
&:= (5+5)/5 + 5 \times 5 \times (5 \times 55 + 5) \\
&:= 6 + (66 \times ((666 + 6)/6 - 6)) \\
&:= ((7+7)/7 + 7) \times (777 + 7/7) \\
&:= 8 + (((8-888)/8) + 8 \times 888) \\
&:= 9 + 999 \times (9 - (9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7003 &:= 11111 - (1 + (11 + ((1+1)^{1+1+1}))) \\
&:= 2 \times 222 + ((2/2 + 2)^{2 \times (2+2)} - 2) \\
&:= 3 + ((3/3 + 3 + 3) \times ((3 \times 3 + 3/3)^3)) \\
&:= 4 + (((44 - 4) \times (4 \times 44 - 4/4)) - 4/4) \\
&:= 5 + (5 \times 5 \times (5 \times 55 + 5) - ((5+5)/5)) \\
&:= 6 + ((66 \times ((666 + 6)/6 - 6)) + 6/6) \\
&:= 7 + ((77 \times (77 + 7 + 7)) - (77/7)) \\
&:= 8 \times 888 - (8888/88) \\
&:= 9 + (999 \times (9 - (9+9)/9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7004 &:= 11111 - (11 + ((1+1)^{1+1+1})) \\
&:= 2 \times ((2 \times (2 \times 22 - 2)^2 - 2)) - 22 \\
&:= 33/3 + (333 \times ((3 \times (3+3)) + 3)) \\
&:= 4 + ((44 - 4) \times (4 \times 44 - 4/4)) \\
&:= 5 + (5 \times 5 \times (5 \times 55 + 5) - 5/5) \\
&:= (((6+6)/6) + 66) \times ((6 \times 6 + 66) + 6/6) \\
&:= 77/7 + (777 \times ((7+7)/7 + 7)) \\
&:= 8 \times 888 + ((88 - 888)/8) \\
&:= 99/9 + 999 \times (9 - (9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7005 &:= 1 + (11111 - (11 + ((1+1)^{1+1+1}))) \\
&:= 2 \times 222 + (2/2 + 2)^{2 \times (2+2)} \\
&:= 3 + ((33 \times ((3+3)^3 - 3)) - 3^3) \\
&:= 444 + ((4-4/4)^{4+4}) \\
&:= 5 + 5 \times 5 \times (5 \times 55 + 5) \\
&:= 6 + (666 \times 6/(6+6) + 6666) \\
&:= (77 \times (77 + 7 + 7)) - (7+7)/7 \\
&:= 8 \times 888 - (88/8 + 88) \\
&:= (99+9)/9 + 999 \times (9 - (9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7006 &:= (1+1+111) \times (1 + ((1+11)^{1+1})/(1+1)) \\
&:= (222/2 + 2) \times (2^{2+2+2} - 2) \\
&:= 3 + (((3/3 + 3 + 3) \times ((3 \times 3 + 3/3)^3)) + 3) \\
&:= 4/4 + (((4-4/4)^{4+4}) + 444) \\
&:= 5 + (5 \times 5 \times (5 \times 55 + 5) + 5/5) \\
&:= 6 + ((6/6 + 6) \times (((66 - 6)/6)^{6 \times 6/(6+6)})) \\
&:= (77 \times (77 + 7 + 7)) - 7/7 \\
&:= 8 \times 888 + ((8-88)/8 - 88) \\
&:= 9 \times 9 \times 9 + ((9 \times 9 \times 99 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7007 &:= 11 \times (1 + (11 + (1 + (1+1) \times (1+11))^{1+1})) \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} + 2 \times 222) \\
&:= 33/3 \times (3 \times (3+3)^3 - 33/3) \\
&:= 44/4 \times (((4/4 + 4)^4 + 4) + 4) + 4 \\
&:= 55/5 \times ((55 + 5^5 + 5)/5) \\
&:= 66/6 + (66 \times ((666 + 6)/6 - 6)) \\
&:= 77 \times (77 + 7 + 7) \\
&:= 8 \times 888 - ((8/8 + 88) + 8) \\
&:= 99/9 \times (9 \times (9 \times 9 - 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7008 &:= (((1 + (1 + 11)^{1+1})^{1+1}) - 1) / (1 + 1 + 1) \\
&:= 2^{2+2} \times (2 \times (222 - 2) - 2) \\
&:= (33 - 3/3) \times ((3 + 3)^3 + 3) \\
&:= 4 \times (4 \times (444 - 4) - (4 + 4)) \\
&:= 5^5 + (((5/5 + 5)^5 / ((5 + 5)/5)) - 5) \\
&:= ((6 + 6 + 6) \times (6 \times 66 - 6)) - 6 - 6 \\
&:= 7/7 + (77 \times (77 + 7 + 7)) \\
&:= 8 \times 888 - (88 + 8) \\
&:= 99 \times (9 \times 9 - 9) - (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7009 &:= 1 + (((1 + (1 + 11)^{1+1})^{1+1}) - 1) / (1 + 1 + 1) \\
&:= 2/2 + (2^{2+2} \times (2 \times (222 - 2) - 2)) \\
&:= 3/3 + ((33 - 3/3) \times ((3 + 3)^3 + 3)) \\
&:= 4 + (((4 - 4/4)^{4+4}) + 444) \\
&:= 5 + ((5 \times 5 \times (5 \times 55 + 5) - 5/5) + 5) \\
&:= ((6 + 6 + 6) \times (6 \times 66 - 6)) - 66/6 \\
&:= (7 + 7)/7 + (77 \times (77 + 7 + 7)) \\
&:= 8/8 + (8 \times 888 - (88 + 8)) \\
&:= 9 + ((9 - (9 + 9)/9) \times (999 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7010 &:= 1 + (1 + (((1 + (1 + 11)^{1+1})^{1+1}) - 1) / (1 + 1 + 1))) \\
&:= 2 + (2^{2+2} \times (2 \times (222 - 2) - 2)) \\
&:= 3 + (33/3 \times (3 \times (3 + 3)^3 - 33/3)) \\
&:= 4 + (((4 - 4/4)^{4+4}) + 444) + 4/4 \\
&:= 5 + (5 \times 5 \times (5 \times 55 + 5) + 5) \\
&:= (6 - 66)/6 + ((6 + 6 + 6) \times (6 \times 66 - 6)) \\
&:= (7 + 7 + 7)/7 + (77 \times (77 + 7 + 7)) \\
&:= (8 + 8)/8 + (8 \times 888 - (88 + 8)) \\
&:= 9 \times 9 \times 99 - ((999 + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7011 &:= 11111 - ((1 + 1) \times (1 + (1 + (1 + 1)^{11}))) \\
&:= ((2 \times ((2 \times 22) - 2))^2) - (2 \times 22 + 2/2) \\
&:= 3 + ((33 - 3/3) \times ((3 + 3)^3 + 3)) \\
&:= 44444/4 - ((4 + 4)^4 + 4) \\
&:= 55/5 + 5 \times 5 \times (5 \times 55 + 5) \\
&:= (6^6 - 6/6) - (((6 \times 6 / (6 + 6))^6) + 6 \times 6) \\
&:= 77/7 + (7777 - 777) \\
&:= (8/8 + 8) \times (8 \times (88 + 8) + (88/8)) \\
&:= 9 \times 9 \times 99 - (999 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7012 &:= 11111 - (1 + (1 + (1 + ((1 + 1)^{1+1})))) \\
&:= 2 \times ((2 \times (2 \times 22 - 2)^2) - 22) \\
&:= 3 + (((33 - 3/3) \times ((3 + 3)^3 + 3)) + 3/3) \\
&:= 4 + (4 \times (4 \times (444 - 4) - (4 + 4))) \\
&:= 5 + (55/5 \times ((55 + 5^5 + 5)/5)) \\
&:= ((6 + 6 + 6) \times (6 \times 66 - 6)) - ((6 + 6)/6 + 6) \\
&:= 7 + ((77 \times (77 + 7 + 7)) - ((7 + 7)/7)) \\
&:= 8 \times 888 - (8 \times 8 / (8 + 8) + 88) \\
&:= 9/9 + (9 \times 9 \times 99 - (999 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7013 &:= 11111 - (1 + (1 + ((1 + 1)^{1+11}))) \\
&:= 2/2 + (2 \times ((2 \times (2 \times 22 - 2)^2) - 22)) \\
&:= 33/3 + ((33 \times ((3 + 3)^3 - 3)) - 3^3) \\
&:= 4 + (((4 - 4/4)^{4+4}) + 444) + 4 \\
&:= 5^5 + ((5/5 + 5)^5 / ((5 + 5)/5)) \\
&:= ((6 + 6 + 6) \times (6 \times 66 - 6)) - 6/6 - 6 \\
&:= 7 + ((77 \times (77 + 7 + 7)) - 7/7) \\
&:= 8 + (8 \times 888 - (88/8 + 88)) \\
&:= 9 + (999 \times (9 - (9 + 9)/9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7014 &:= 11111 - (1 + ((1 + 1)^{1+11})) \\
&:= 2 + (2 \times ((2 \times (2 \times 22 - 2)^2) - 22)) \\
&:= (3/3 + 3 + 3) \times (3 \times 333 + 3) \\
&:= (4 - 44)/4 + (4 \times (4 \times (444 - 4) - 4)) \\
&:= 5 \times (5 \times (5 \times 55 + 5) + 5) - 55/5 \\
&:= ((6 + 6 + 6) \times (6 \times 66 - 6)) - 6 \\
&:= 7 + (77 \times (77 + 7 + 7)) \\
&:= 8 \times 888 - ((8 + 8)/8 + 88) \\
&:= (9 - (9 + 9)/9) \times (999/9 + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7015 &:= 11111 - ((1 + 1)^{1+11}) \\
&:= (2 \times 2 \times 22)^2 - ((2/2 + 2)^{2+2+2}) \\
&:= (33 \times ((3 + 3)^3 - 3)) - (33/3 + 3) \\
&:= 44444/4 - (4 + 4)^4 \\
&:= 5 + ((5 \times 5 \times (5 \times 55 + 5) + 5) + 5) \\
&:= 6/6 + (((6 + 6 + 6) \times (6 \times 66 - 6)) - 6) \\
&:= 7 + ((77 \times (77 + 7 + 7)) + 7/7) \\
&:= 8 \times 888 - (8/8 + 88) \\
&:= 99 \times (9 \times 9 - 9) - ((999 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7016 &:= 1 + (11111 - ((1 + 1)^{1+11})) \\
&:= 2 \times (((2 \times (2 \times 22 - 2)^2) - 22) + 2) \\
&:= (33 \times (3 + 3)^3) - ((333 + 3)/3) \\
&:= (4 + 4) \times (((4/4 + 4)^4 - 4) + 4^4) \\
&:= 5 + (5 \times 5 \times (5 \times 55 + 5) + (55/5)) \\
&:= (6 + 6)/6 + (((6 + 6 + 6) \times (6 \times 66 - 6)) - 6) \\
&:= 7 + ((77 \times (77 + 7 + 7)) + ((7 + 7)/7)) \\
&:= 8 \times 888 - 88 \\
&:= 99 \times (9 \times 9 - 9) - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7017 &:= 1 + (1 + (11111 - ((1 + 1)^{1+11}))) \\
&:= (22 \times ((2^{2+2} + 2)^2)) - 222/2 \\
&:= (33 \times (3 + 3)^3) - 333/3 \\
&:= 4 + (((4 - 4/4)^{4+4}) + 444) + 4 + 4 \\
&:= 5 + ((55/5 \times ((55 + 5^5 + 5)/5)) + 5) \\
&:= (6 \times (66 \times (6 + 6 + 6))) - 666/6 \\
&:= ((77 - 7)/7) + (77 \times (77 + 7 + 7)) \\
&:= 8/8 + (8 \times 888 - 88) \\
&:= 99 \times (9 \times 9 - 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7018 &:= 11 \times 11 \times (1 + 1 + (1 + 111)/(1 + 1)) \\
&:= 22 \times ((2^{2+2} \times (22 - 2)) - 2/2) \\
&:= (33 \times ((3 + 3)^3 - 3)) - 33/3 \\
&:= 44/4 \times ((4 \times (4 \times (44 - 4))) - (4 + 4)/4) \\
&:= 5 + (((5/5 + 5)^5 / ((5 + 5)/5)) + 5^5) \\
&:= ((6 + 6 + 6) \times (6 \times 66 - 6)) - (6 + 6)/6 \\
&:= 77/7 + (77 \times (77 + 7 + 7)) \\
&:= (8 + 8)/8 + (8 \times 888 - 88) \\
&:= 99/9 \times (9 \times (9 \times 9 - 9) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7019 &:= 1 + (11 \times 11 \times (1 + 1 + (1 + 111)/(1 + 1))) \\
&:= 2 + ((22 \times ((2^{2+2} + 2)^2)) - 222/2) \\
&:= ((3 - 33)/3) + (33 \times ((3 + 3)^3 - 3)) \\
&:= 4 + (44444/4 - (4 + 4)^4) \\
&:= 5 \times (5 \times (5 \times 55 + 5) + 5) - (5/5 + 5) \\
&:= ((6 + 6 + 6) \times (6 \times 66 - 6)) - 6/6 \\
&:= (77 + 7)/7 + (77 \times (77 + 7 + 7)) \\
&:= 88/8 + (8 \times 888 - (88 + 8)) \\
&:= 9 \times 9 \times 99 - (999 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7020 &:= (1 + 1 + 11) \times (11 + (1 + 11 + 11)^{1+1}) \\
&:= 2 \times ((2 \times ((2 \times 22 - 2)^2 + 2)) - 22) \\
&:= 3 \times ((3^3 + 3) \times (3 \times 3^3 - 3)) \\
&:= (4^4 + 4) \times (44/4 + 4 \times 4) \\
&:= (5 \times 5 + 5/5) \times (5 \times 55 - 5) \\
&:= (6 + 6 + 6) \times (6 \times 66 - 6) \\
&:= (7 - 7/7 + 7) \times (7 \times 77 + 7/7) \\
&:= 8 \times 888 + (8 \times 8 / (8 + 8) - 88) \\
&:= 9 \times 9 \times 99 - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7021 &:= 1 + ((1 + 1 + 11) \times (11 + (1 + 11 + 11)^{1+1})) \\
&:= 2/2 + (2 \times ((2 \times ((2 \times 22 - 2)^2 + 2)) - 22)) \\
&:= 3 + ((33 \times ((3 + 3)^3 - 3)) - 33/3) \\
&:= 4 \times 4 + (((4 - 4/4)^{4+4}) + 444) \\
&:= 5 \times 5 + (55/5 \times ((55 + 5^5)/5)) \\
&:= 6/6 + ((6 + 6 + 6) \times (6 \times 66 - 6)) \\
&:= 7 + ((77 \times (77 + 7 + 7)) + 7) \\
&:= (8 \times (888 - 8)) - (88/8 + 8) \\
&:= 9/9 + (9 \times 9 \times 99 - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7022 &:= (1 + 1) \times ((1 + 1)^{11} + (11 \times (1 + (11 \times (1 + 11)))))) \\
&:= (2^{2+2} \times (((22 - 2/2)^2) - 2)) - 2 \\
&:= (33 \times ((3 + 3)^3 - 3)) - (3/3 + 3 + 3) \\
&:= (4 \times (4 \times (444 - 4) - 4)) - (4 + 4)/4 \\
&:= 5 \times 5 \times 5 + (55/5 \times (5^5 + 5 + 5)/5) \\
&:= (6 + 6)/6 + ((6 + 6 + 6) \times (6 \times 66 - 6)) \\
&:= 7 + (((77 \times (77 + 7 + 7)) + 7/7) + 7) \\
&:= 8 + (8 \times 888 - ((8 + 8)/8 + 88)) \\
&:= (9 + 9)/9 + (9 \times 9 \times 99 - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7023 &:= 111 + ((1+1) \times ((1+1) \times ((1+11)^{1+1+1}))) \\
&:= 22^2 + ((2/2+2)^{2 \times (2+2)} - 22) \\
&:= (33 \times ((3+3)^3 - 3)) - 3 - 3 \\
&:= (4 \times 4 \times 444) - (4 - 4/4)^4 \\
&:= 5 \times (5 \times (5 \times 55 + 5) + 5) - (5+5)/5 \\
&:= 6 + ((6 \times (66 \times (6+6+6))) - 666/6) \\
&:= 7 + (((77 \times (77+7+7)) + ((7+7)/7)) + 7) \\
&:= 8 + (8 \times 888 - (8/8+88)) \\
&:= 9 \times 9 \times 99 + (((9+9+9)/9) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7024 &:= ((11-1) \times (1+1111)) - ((1+1)^{1+11}) \\
&:= 2^{2+2} \times (((22-2/2)^2) - 2) \\
&:= 3/3 + ((33 \times ((3+3)^3 - 3)) - (3+3)) \\
&:= 4 \times (4 \times (444-4) - 4) \\
&:= 5 \times (5 \times (5 \times 55 + 5) + 5) - 5/5 \\
&:= 6 + (((6+6+6) \times (6 \times 66 - 6)) - ((6+6)/6)) \\
&:= 7 + ((77 \times (77+7+7)) + ((77-7)/7)) \\
&:= 8 + (8 \times 888 - 88) \\
&:= (9-9/9) \times (9 \times 99 - ((99+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7025 &:= 11 + (11111 - (1 + ((1+1)^{1+11}))) \\
&:= 2/2 + (2^{2+2} \times (((22-2/2)^2) - 2)) \\
&:= (33 \times ((3+3)^3 - 3)) - (3/3+3) \\
&:= 4/4 + (4 \times (4 \times (444-4) - 4)) \\
&:= 5 \times (5 \times (5 \times 55 + 5) + 5) \\
&:= 6 + (((6+6+6) \times (6 \times 66 - 6)) - 6/6) \\
&:= 7 + ((77 \times (77+7+7)) + (77/7)) \\
&:= 8 + ((8 \times 888 - 88) + 8/8) \\
&:= 9 + (99 \times (9 \times 9 - 9) - (999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7026 &:= 11 + (11111 - ((1+1)^{1+11})) \\
&:= 2 + (2^{2+2} \times (((22-2/2)^2) - 2)) \\
&:= (33 \times ((3+3)^3 - 3)) - 3 \\
&:= (4+4)/4 + (4 \times (4 \times (444-4) - 4)) \\
&:= 5/5 + 5 \times (5 \times (5 \times 55 + 5) + 5) \\
&:= 6 + ((6+6+6) \times (6 \times 66 - 6)) \\
&:= 7 + ((77 \times (77+7+7)) + (77+7)/7) \\
&:= 8 + ((8 \times 888 - 88) + ((8+8)/8)) \\
&:= 9 + (99 \times (9 \times 9 - 9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7027 &:= 1 + (11 + (11111 - ((1+1)^{1+11}))) \\
&:= 2 + (2^{2+2} \times (((22-2/2)^2) - 2)) + 2/2 \\
&:= 3/3 + ((33 \times ((3+3)^3 - 3)) - 3) \\
&:= 4 + (4 \times 4 \times 444) - (4 - 4/4)^4 \\
&:= (5+5)/5 + 5 \times (5 \times (5 \times 55 + 5) + 5) \\
&:= 6 + (((6+6+6) \times (6 \times 66 - 6)) + 6/6) \\
&:= 7 + ((7-7/7+7) \times (7 \times 77 + 7/7)) \\
&:= 88/8 + (8 \times 888 - 88) \\
&:= 99 \times (9 \times 9 - 9) - ((9+9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7028 &:= 1 + (1 + (11 + (11111 - ((1+1)^{1+11})))) \\
&:= 2 + (2^{2+2} \times (((22-2/2)^2) - 2)) + 2 \\
&:= (33 \times ((3+3)^3 - 3)) - 3/3 \\
&:= 4 + (4 \times (4 \times (444-4) - 4)) \\
&:= 5 + (5 \times (5 \times (5 \times 55 + 5) + 5) - ((5+5)/5)) \\
&:= 6 + (((6+6+6) \times (6 \times 66 - 6)) + ((6+6)/6)) \\
&:= 7 + (((77 \times (77+7+7)) + 7) + 7) \\
&:= (8 \times (888 - 8)) - (88+8)/8 \\
&:= 99 \times (9 \times 9 - 9) - (9/9+99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7029 &:= 11 \times (1 + 11 \times (1 + 1 + (1 + 111)/(1 + 1))) \\
&:= (2/2+2) \times ((22/2)^2 + 2222) \\
&:= 33 \times ((3+3)^3 - 3) \\
&:= (4 \times 4 \times (444-4)) - 44/4 \\
&:= 5 + (5 \times (5 \times (5 \times 55 + 5) + 5) - 5/5) \\
&:= 6666 + 66 \times 66/(6+6) \\
&:= (7 \times (7+7) + 7/7) \times ((7/7-7) + 77) \\
&:= (8 \times (888 - 8)) - 88/8 \\
&:= 99 \times (9 \times 9 - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7030 &:= (11-1) \times ((11 \times ((1+1)^{(1+1) \times (1+1+1)})) - 1) \\
&:= ((2 \times ((2 \times 22) - 2))^2) - 22 - 2 - 2 \\
&:= 3/3 + (33 \times ((3+3)^3 - 3)) \\
&:= (4-44)/4 + (4 \times 4 \times (444-4)) \\
&:= 5+5 \times (5 \times (5 \times 55 + 5) + 5) \\
&:= ((66-6)/6) + ((6+6+6) \times (6 \times 66 - 6)) \\
&:= 7 + (((77 \times (77+7+7)) + ((7+7)/7)) + 7) + 7 \\
&:= (8-88)/8 + (8 \times (888 - 8)) \\
&:= 9/9 + (99 \times (9 \times 9 - (9/9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7031 &:= 1 + ((11-1) \times ((11 \times ((1+1)^{(1+1) \times (1+1+1)})) - 1)) \\
&:= ((2 \times ((2 \times 22) - 2))^2) - ((22+2/2) + 2) \\
&:= 3 + ((33 \times ((3+3)^3 - 3)) - 3/3) \\
&:= (4 \times 4 \times (444-4)) - (4/4+4+4) \\
&:= 5 + (5 \times (5 \times (5 \times 55 + 5) + 5) + 5/5) \\
&:= 66/6 + ((6+6+6) \times (6 \times 66 - 6)) \\
&:= ((7+7)/7+77) \times ((77+7)/7+77) \\
&:= (8 \times (888 - 8)) - (8/8+8) \\
&:= (9+9)/9 + (99 \times (9 \times 9 - (9/9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7032 &:= (1+11) \times (11 + (((1+1) \times (1+11))^{1+1}) - 1) \\
&:= ((2 \times ((2 \times 22) - 2))^2) - 22 - 2 \\
&:= 3 + (33 \times ((3+3)^3 - 3)) \\
&:= (4 \times 4 \times (444-4)) - 4 - 4 \\
&:= ((5+5)/5)^5 + 5 \times 5 \times (5 \times 55 + 5) \\
&:= 6 + (((6+6+6) \times (6 \times 66 - 6)) + 6) \\
&:= 7 + (((77 \times (77+7+7)) + (77/7)) + 7) \\
&:= (8 \times (888 - 8)) - 8 \\
&:= (9-9/9) \times (9 \times 99 - (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7033 &:= 1 + ((1+11) \times (11 + (((1+1) \times (1+11))^{1+1}) - 1)) \\
&:= ((2 \times ((2 \times 22) - 2))^2) - 22 - 2/2 \\
&:= 3 + ((33 \times ((3+3)^3 - 3)) + 3/3) \\
&:= 4 + ((4 \times 4 \times (444-4)) - 44/4) \\
&:= 5 + ((5 \times (5 \times (5 \times 55 + 5) + 5) - ((5+5)/5)) + 5) \\
&:= 6 + (((6+6+6) \times (6 \times 66 - 6)) + 6/6) + 6 \\
&:= 77 \times 77 + (7777/7 - 7) \\
&:= 8/8 + (8 \times (888 - 8) - 8) \\
&:= 9 + (9 \times (9 \times (9 \times 9 - 9) + 9) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7034 &:= ((11-1) \times (1 + (1 + 1111))) - ((1+1)^{1+11}) \\
&:= ((2 \times ((2 \times 22) - 2))^2) - 22 \\
&:= 3 + (((33 \times ((3+3)^3 - 3)) - 3/3) + 3) \\
&:= (4 \times 4 \times (444-4)) - ((4+4)/4+4) \\
&:= 5 + ((5 \times (5 \times (5 \times 55 + 5) + 5) - 5/5) + 5) \\
&:= (((6+6)/6)^6 \times ((666-6)/6)) - 6 \\
&:= 7 + (((7-7/7+7) \times (7 \times 77 + 7/7)) + 7) \\
&:= (8+8)/8 + (8 \times (888 - 8) - 8) \\
&:= 9 \times 9 \times (9 \times 9 + 9) - (((9+9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7035 &:= (11 + (11-1)) \times (1 + (1 + (1+1+1) \times 111)) \\
&:= 2/2 + (((2 \times ((2 \times 22) - 2))^2) - 22) \\
&:= 3 + ((33 \times ((3+3)^3 - 3)) + 3) \\
&:= (4 \times 4 \times (444-4)) - 4/4 - 4 \\
&:= 5 + (5 \times (5 \times (5 \times 55 + 5) + 5) + 5) \\
&:= (66+6/6) \times (666/6 - 6) \\
&:= 77 + ((7+7) \times (7 \times (77-7) + 7)) \\
&:= 8 + ((8 \times 888 - 88) + (88/8)) \\
&:= 9 + ((99 \times (9 \times 9 - 9) - 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7036 &:= 1 + ((11 + (11-1)) \times (1 + (1 + (1+1+1) \times 111))) \\
&:= 2 + (((2 \times ((2 \times 22) - 2))^2) - 22) \\
&:= 3 + (((33 \times ((3+3)^3 - 3)) + 3/3) + 3) \\
&:= (4 \times 4 \times (444-4)) - 4 \\
&:= 55/5 + 5 \times (5 \times (5 \times 55 + 5) + 5) \\
&:= 6/6 + ((66+6/6) \times (666/6 - 6)) \\
&:= 7 + ((7 \times (7+7) + 7/7) \times ((7/7-7) + 77)) \\
&:= (8 \times (888 - 8)) - 8 \times 8/(8+8) \\
&:= 99 \times (9 \times 9 - 9) - ((99/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7037 &:= 11111 - ((1+1) \times ((1+1)^{11} - 11)) \\
&:= 2 + (((2 \times ((2 \times 22) - 2))^2) - 22) + 2/2 \\
&:= 3 \times 3 + ((33 \times ((3+3)^3 - 3)) - 3/3) \\
&:= 4/4 + ((4 \times 4 \times (444-4)) - 4) \\
&:= 5 + (5 \times 5 \times (5 \times 55 + 5) + ((5+5)/5)^5) \\
&:= 6 + (((6+6+6) \times (6 \times 66 - 6)) + (66/6)) \\
&:= ((7+7)/7)^7 + (7 \times ((7+7) \times (77-7) + 7)) \\
&:= 8 + (8 \times (888 - 8) - (88/8)) \\
&:= 9 + (99 \times (9 \times 9 - 9) - (9/9+99))
\end{aligned}$$

- ▶ **7038** := $(1+1) \times (((111-1) \times ((11 \times (1+1+1)) - 1)) - 1)$
:= $(2 \times (2^{2+2} \times (222-2))) - 2$
:= $3 \times 3 + (33 \times ((3+3)^3 - 3))$
:= $(4 \times 4 \times (444-4)) - (4+4)/4$
:= $5 \times 5 + (((5/5+5)^5 / ((5+5)/5)) + 5^5)$
:= $(6+6+6) \times ((6 \times 66-6) + 6/6)$
:= $(77/7+7) \times (7 \times (7 \times 7+7) - 7/7)$
:= $(8 \times (888-8)) - (8+8)/8$
:= $9 + (99 \times (9 \times 9 - (9/9+9)))$
- ▶ **7043** := $((1+11) \times (11 + (((1+1) \times (1+11))^{1+1}))) - 1$
:= $22^2 + ((2/2+2)^{2 \times (2+2)} - 2)$
:= $3 + ((33 \times ((3+3)^3 - 3)) + 33/3)$
:= $4 + ((4 \times 4 \times (444-4)) - 4/4)$
:= $((5+5)/5+5) \times (5 - 5/5)^5 - 5 \times 5 \times 5$
:= $(6^{6-6/6}) - (((66 \times 66+6)/6) + 6)$
:= $7/7 + (((77+7)^{(7+7)/7}) - (7+7))$
:= $88/8 + (8 \times (888-8) - 8)$
:= $9 + (9 \times 9 \times (9 \times 9 + 9) - (((9+9)/9)^{9-9/9}))$
- ▶ **7048** := $(1+1)^{11} + (((11-1)^{1+1+1+1}) / (1+1))$
:= $2 \times (2 \times ((2 \times 22-2)^2 - 2))$
:= $3/3 + (3 \times (3^3 \times (3 \times 3^3 + 3+3)))$
:= $4 + ((4 \times 4 \times (444-4)) + 4)$
:= $(5 \times ((5 \times (5 \times 55+5) + 5) + 5)) - (5+5)/5$
:= $6/6 + (((6^{6-6/6}) - ((6 \times 6 / (6+6))^6))$
:= $((77+7)^{(7+7)/7}) - (7/7+7)$
:= $8 + (8 \times (888-8))$
:= $9/9 + (9 \times (9 \times 99 - 99 - 9))$
- ▶ **7039** := $((111-1) \times ((1+1)^{(1+1) \times (1+1+1)})) - 1$
:= $(2 \times (2^{2+2} \times (222-2))) - 2/2$
:= $3 \times 3 + ((33 \times ((3+3)^3 - 3)) + 3/3)$
:= $(4 \times 4 \times (444-4)) - 4/4$
:= $(55 \times (5 \times 5 \times 5 + 5)) - 555/5$
:= $6/6 + ((6+6+6) \times ((6 \times 66-6) + 6/6))$
:= $77 \times 77 + (7777-7)/7$
:= $(8 \times (888-8)) - 8/8$
:= $9 + ((99 \times (9 \times 9 - (9/9+9))) + 9/9)$
- ▶ **7044** := $(1+11) \times (11 + (((1+1) \times (1+11))^{1+1}))$
:= $2 \times (2^{2+2} \times (222-2)) + 2$
:= $(3/3+3) \times ((3 \times 3+3)^3 + 33)$
:= $4 + (4 \times 4 \times (444-4))$
:= $5 + ((55 \times (5 \times 5 \times 5 + 5)) - 555/5)$
:= $(6^{6-6/6}) - (666+66)$
:= $(77+7)/7 \times (7 \times (77+7) - 7/7)$
:= $8 \times 8 / (8+8) + (8 \times (888-8))$
:= $99 \times (9 \times 9 - 9) - (((9+9+9)/9) + 9 \times 9)$
- ▶ **7049** := $1 + ((1+1)^{11} + (((11-1)^{1+1+1+1}) / (1+1)))$
:= $2/2 + (2 \times (2 \times ((2 \times 22-2)^2 - 2)))$
:= $3 + ((33 \times (3+3)^3) - (3 \times 3^3 + 3/3))$
:= $4 + (((4 \times 4 \times (444-4)) + 4/4) + 4)$
:= $(5 \times ((5 \times (5 \times 55+5) + 5) + 5)) - 5/5$
:= $(6^{6-6/6}) - ((66 \times 66+6)/6)$
:= $((77+7)^{(7+7)/7}) - 7$
:= $8 + (8 \times (888-8) + 8/8)$
:= $9 + ((9-9/9) \times (9 \times 99 - (99/9)))$
- ▶ **7040** := $(111-1) \times ((1+1)^{(1+1) \times (1+1+1)})$
:= $2 \times (2^{2+2} \times (222-2))$
:= $33/3 + (33 \times ((3+3)^3 - 3))$
:= $4 \times 4 \times (444-4)$
:= $55 \times ((5 \times 5 \times 5 - ((5+5)/5)) + 5)$
:= $((6+6)/6)^6 \times ((666-6)/6)$
:= $77 \times 77 + 7777/7$
:= $8 \times (888-8)$
:= $(9-9/9) \times (9 \times 99 - (99/9))$
- ▶ **7045** := $1 + ((1+11) \times (11 + (((1+1) \times (1+11))^{1+1})))$
:= $22^2 + (2/2+2)^{2 \times (2+2)}$
:= $((3 \times 3^3 + 3)^{3-3/3}) - 33/3$
:= $4 + ((4 \times 4 \times (444-4)) + 4/4)$
:= $(5 \times ((5 \times (5 \times 55+5) + 5) + 5)) - 5$
:= $6/6 + (((6^{6-6/6}) - (666+66))$
:= $((77+7)^{(7+7)/7}) - 77/7$
:= $8 + ((8 \times (888-8) - (88/8)) + 8)$
:= $99 \times (9 \times 9 - 9) - (((9+9)/9) + 9 \times 9)$
- ▶ **7050** := $(11-1) \times (1 + (11 \times ((1+1)^{(1+1) \times (1+1+1)})))$
:= $2 + (2 \times (2 \times ((2 \times 22-2)^2 - 2)))$
:= $3 + (3 \times (3^3 \times (3 \times 3^3 + 3+3)))$
:= $(44-4)/4 + (4 \times 4 \times (444-4))$
:= $5 \times ((5 \times (5 \times 55+5) + 5) + 5)$
:= $6 \times 66 + (6666 - (6+6))$
:= $7/7 + (((77+7)^{(7+7)/7}) - 7)$
:= $8 + (8 \times (888-8) + ((8+8)/8))$
:= $((9+9+9)/9) + (9 \times (9 \times 99 - 99 - 9))$
- ▶ **7041** := $1 + (((111-1) \times ((1+1)^{(1+1) \times (1+1+1)})))$
:= $2/2 + (2 \times (2^{2+2} \times (222-2)))$
:= $3 + ((33 \times ((3+3)^3 - 3)) + 3 \times 3)$
:= $4/4 + (4 \times 4 \times (444-4))$
:= $5 + (5 \times (5 \times (5 \times 55+5) + 5) + (55/5))$
:= $6 + ((66+6/6) \times (666/6 - 6))$
:= $77 \times 77 + (7777+7)/7$
:= $8/8 + (8 \times (888-8))$
:= $9 + ((9-9/9) \times (9 \times 99 - (99+9)/9))$
- ▶ **7046** := $1 + (1 + ((1+11) \times (11 + (((1+1) \times (1+11))^{1+1}))))$
:= $(2 \times (2 \times ((2 \times 22-2)^2 - 2))) - 2$
:= $(33 \times (3+3)^3) - (3 \times 3^3 + 3/3)$
:= $4 + ((4 \times 4 \times (444-4)) + (4+4)/4)$
:= $(5 \times 5 + 5/5) \times ((5 \times 55-5) + 5/5)$
:= $6 + (((6+6)/6)^6 \times ((666-6)/6))$
:= $((7-77)/7) + ((77+7)^{(7+7)/7})$
:= $8 + (8 \times (888-8) - ((8+8)/8))$
:= $99 \times (9 \times 9 - 9) - (9/9 + 9 \times 9)$
- ▶ **7051** := $11 + (((111-1) \times ((1+1)^{(1+1) \times (1+1+1)})))$
:= $((2 \times ((2 \times 22-2))^2) - 2/2 - 2 - 2)$
:= $3 + ((3 \times (3^3 \times (3 \times 3^3 + 3+3))) + 3/3)$
:= $44/4 + (4 \times 4 \times (444-4))$
:= $55/5 \times (((55+5^5)/5) + 5)$
:= $6 \times 66 + (6666 - (66/6))$
:= $(7+7)/7 + (((77+7)^{(7+7)/7}) - 7)$
:= $88/8 + (8 \times (888-8))$
:= $9 \times (9+9) + (((9+9)/9) + 9 \times 9)^{(9+9)/9}$
- ▶ **7042** := $1 + (1 + ((111-1) \times ((1+1)^{(1+1) \times (1+1+1)})))$
:= $2 + (2 \times (2^{2+2} \times (222-2)))$
:= $3 + (((33 \times ((3+3)^3 - 3)) + 3 \times 3) + 3/3)$
:= $(4+4)/4 + (4 \times 4 \times (444-4))$
:= $((5 \times 5 - 5/5 + 5) \times ((5 - (5+5)/5)^5)) - 5$
:= $6 + (((66+6/6) \times (666/6 - 6)) + 6/6)$
:= $((77+7)^{(7+7)/7}) - (7+7)$
:= $(8+8)/8 + (8 \times (888-8))$
:= $(9 - (9+9)/9) \times ((999 - ((9+9)/9)) + 9)$
- ▶ **7047** := $(1+1)^{11} + (((11-1)^{1+1+1+1}) / (1+1)) - 1$
:= $2 + ((2/2+2)^{2 \times (2+2)} + 22^2)$
:= $3 \times (3^3 \times (3 \times 3^3 + 3+3))$
:= $4 + (((4 \times 4 \times (444-4)) - 4/4) + 4)$
:= $(5 \times 5 - 5/5 + 5) \times ((5 - (5+5)/5)^5)$
:= $(6^{6-6/6}) - ((6 \times 6 / (6+6))^6)$
:= $7 + (7777/7 + 77 \times 77)$
:= $8 + (8 \times (888-8) - 8/8)$
:= $9 \times (9 \times 99 - 99 - 9)$
- ▶ **7052** := $1 + (11 + (((111-1) \times ((1+1)^{(1+1) \times (1+1+1)})))$
:= $2 \times (2 \times (2 \times 22 - 2)^2) - 2$
:= $((3 \times 3^3 + 3)^{3-3/3}) - (3/3+3)$
:= $(4 \times (4 \times (444-4) + 4)) - 4$
:= $5 + ((5 \times 5 - 5/5 + 5) \times ((5 - (5+5)/5)^5))$
:= $6 + (((6+6)/6)^6 \times ((666-6)/6)) + 6$
:= $7 + (((77+7)^{(7+7)/7}) - (77/7))$
:= $((88+8)/8) + (8 \times (888-8))$
:= $(9/9 + 9 \times 9) \times (((9 \times 9 + 9) / (9+9)) + 9 \times 9)$

$$\begin{aligned}
\blacktriangleright 7053 &:= (1+1+1) \times (((1+111) \times (11+(11-1))) - 1) \\
&:= ((2 \times ((2 \times 22) - 2))^2) - 2/2 - 2 \\
&:= ((3 \times 3^3 + 3)^{3-3/3}) - 3 \\
&:= 4/4 + ((4 \times (4 \times (444 - 4) + 4)) - 4) \\
&:= 55 + (5 \times 5 \times (5 \times 55 + 5) - ((5+5)/5)) \\
&:= 6 + ((6^{6-6/6}) - ((6 \times 6)/(6+6))^6) \\
&:= ((77+7)^{(7+7)/7}) - (7+7+7)/7 \\
&:= (8 \times (888 - 8)) + (88+8+8)/8 \\
&:= (9-9/9) \times (9 \times 99 - 9) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7058 &:= 1 + (1 + ((1 + (1 + (1 + (11 - 1 - 1)^{1+1})))^{1+1}))^{1+1} \\
&:= 2 + ((2 \times ((2 \times 22) - 2))^2) \\
&:= 3 + (((3 \times 3^3 + 3)^{3-3/3}) - 3/3) \\
&:= (4+4)/4 + (4 \times (4 \times (444 - 4) + 4)) \\
&:= 5 + ((5 \times 5 \times (5 \times 55 + 5) - ((5+5)/5)) + 55) \\
&:= (6+6)/6 + ((6666 - 6) + 6 \times 66) \\
&:= (7+7)/7 + ((77+7)^{(7+7)/7}) \\
&:= 8 + ((8 \times (888 - 8)) + ((8+8)/8)) + 8 \\
&:= (9+9)/9 + (9-9/9) \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7063 &:= 1 + ((1+1) \times (11 \times ((1+1+1) \times 111 - (1+11)))) \\
&:= (2 \times (2 \times ((2 \times 22 - 2)^2 + 2))) - 2/2 \\
&:= 3/3 + ((33 \times ((3+3)^3 - 3)) + 33) \\
&:= 4 + (4 \times 4 \times 444) - (44+4/4) \\
&:= ((5+5)/5 + 5) \times ((5-5/5)^5 - (5+5+5)) \\
&:= 6/6 + (6666 + 6 \times 66) \\
&:= 7 + ((77+7)^{(7+7)/7}) \\
&:= 8 + (((8 \times (888 - 8)) - 8/8) + 8) + 8 \\
&:= (9 - (9+9)/9) \times ((999+9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7054 &:= ((1 + (1 + (1 + (11 - 1 - 1)^{1+1})))^{1+1}) - 1 - 1 \\
&:= ((2 \times ((2 \times 22) - 2))^2) - 2 \\
&:= 3/3 + (((3 \times 3^3 + 3)^{3-3/3}) - 3) \\
&:= (4 \times (4 \times (444 - 4) + 4)) - (4+4)/4 \\
&:= 55 + (5 \times 5 \times (5 \times 55 + 5) - 5/5) \\
&:= 6 \times 66 + (6666 - ((6+6)/6+6)) \\
&:= ((77+7)^{(7+7)/7}) - (7+7)/7 \\
&:= 8 + ((8 \times (888 - 8)) - ((8+8)/8)) + 8 \\
&:= (9-9/9) \times (9 \times 99 - 9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7059 &:= (1+1+1) \times (1 + ((1+111) \times (11+(11-1)))) \\
&:= 2 + (((2 \times ((2 \times 22) - 2))^2) + 2/2) \\
&:= 3 + ((3 \times 3^3 + 3)^{3-3/3}) \\
&:= (4 \times 4 \times 444) - (44+4/4) \\
&:= 5 + ((5 \times 5 \times (5 \times 55 + 5) - 5/5) + 55) \\
&:= 6 + (((6^{6-6/6}) - ((6 \times 6)/(6+6))^6) + 6) \\
&:= (7+7+7)/7 + ((77+7)^{(7+7)/7}) \\
&:= 8 + (8 \times (888 - 8) + (88/8)) \\
&:= (99+9)/9 + (9 \times (9 \times 99 - 99 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7064 &:= (1+1) \times (1 + (11 \times ((1+1+1) \times 111 - (1+11)))) \\
&:= 2 \times (2 \times ((2 \times 22 - 2)^2 + 2)) \\
&:= (33 \times (3+3)^3) - ((3/3+3)^3) \\
&:= 4+4 \times (4 \times 444) - 44 \\
&:= ((5+5) \times ((5-5/5)^5 - 5)) - (5^5 + 5/5) \\
&:= (6+6)/6 + (6666 + 6 \times 66) \\
&:= 7 + (((77+7)^{(7+7)/7}) + 7/7) \\
&:= 8 + ((8 \times (888 - 8) + 8) + 8) \\
&:= (9-9/9) \times ((9 \times 99 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7055 &:= ((1 + (1 + (1 + (11 - 1 - 1)^{1+1})))^{1+1}) - 1 \\
&:= ((2 \times ((2 \times 22) - 2))^2) - 2/2 \\
&:= ((3 \times 3^3 + 3)^{3-3/3}) - 3/3 \\
&:= (4 \times (4 \times (444 - 4) + 4)) - 4/4 \\
&:= 55 + 5 \times 5 \times (5 \times 55 + 5) \\
&:= 6 \times 66 + (6666 - (6/6+6)) \\
&:= ((77+7)^{(7+7)/7}) - 7/7 \\
&:= 8 + ((8 \times (888 - 8)) - 8/8) + 8 \\
&:= (9-9/9) \times (9 \times 99 - 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7060 &:= (1+1) \times ((11^{1+1+1+1}) - 11111) \\
&:= 2 + (((2 \times ((2 \times 22) - 2))^2) + 2) \\
&:= 3 + (((3 \times 3^3 + 3)^{3-3/3}) + 3/3) \\
&:= 4 \times (4 \times 444) - 44 \\
&:= 5 + (5 \times 5 \times (5 \times 55 + 5) + 55) \\
&:= 6 \times 66 + (6666 - ((6+6)/6)) \\
&:= 77/7 + (((77+7)^{(7+7)/7}) - 7) \\
&:= 8 \times 888 - (88/((8+8)/8)) \\
&:= 9 \times 9 \times 9 \times 9 + ((9 \times 999 - 9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7065 &:= (1+1+1) \times (11^{1+1+1} + (1+1)^{11-1}) \\
&:= 2/2 + (2 \times (2 \times ((2 \times 22 - 2)^2 + 2))) \\
&:= 3 + ((33 \times ((3+3)^3 - 3)) + 33) \\
&:= 4 + (4 \times (4 \times 444) - 44) + 4/4 \\
&:= ((5+5) \times ((5-5/5)^5 - 5)) - 5^5 \\
&:= 6 \times 66 + (6666 + (6 \times 6/(6+6))) \\
&:= 7 + (((77+7)^{(7+7)/7}) + ((7+7)/7)) \\
&:= 8 \times 8 \times 8 + ((88/8 - 8)^8 - 8) \\
&:= 9 + (9-9/9) \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7056 &:= (1 + (1 + (1 + (11 - 1 - 1)^{1+1})))^{1+1} \\
&:= (2 \times ((2 \times 22) - 2))^2 \\
&:= (3 \times 3^3 + 3)^{3-3/3} \\
&:= 4 \times (4 \times (444 - 4) + 4) \\
&:= (55+5/5) \times (5 \times 5 \times 5 + 5/5) \\
&:= 6 \times ((66 \times (6+6+6)) - (6+6)) \\
&:= (77+7)^{(7+7)/7} \\
&:= 8 + (8 \times (888 - 8) + 8) \\
&:= (9-9/9) \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7061 &:= 1 + ((1+1) \times ((11^{1+1+1+1}) - 11111)) \\
&:= 2 + (((2 \times ((2 \times 22) - 2))^2) + 2/2) + 2 \\
&:= 33 + ((33 \times ((3+3)^3 - 3)) - 3/3) \\
&:= 4/4 + 4 \times (4 \times 444) - 44 \\
&:= 5 + ((55+5/5) \times (5 \times 5 \times 5 + 5/5)) \\
&:= 6 \times 66 + (6666 - 6/6) \\
&:= 7 + (((77+7)^{(7+7)/7}) - ((7+7)/7)) \\
&:= 8 + (8 \times (888 - 8) + (88+8+8)/8) \\
&:= 9 \times 9 \times 9 \times 9 + ((9 \times 999 + 9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7066 &:= 1 + ((1+1+1) \times (11^{1+1+1} + (1+1)^{11-1})) \\
&:= 2 + (2 \times (2 \times ((2 \times 22 - 2)^2 + 2))) \\
&:= 3 + (((33 \times ((3+3)^3 - 3)) + 33) + 3/3) \\
&:= 4 + (4 \times (4 \times 444) - 44) + (4+4)/4 \\
&:= 5 + (((55+5/5) \times (5 \times 5 \times 5 + 5/5)) + 5) \\
&:= 6 + ((6666 - ((6+6)/6)) + 6 \times 66) \\
&:= ((77-7)/7) + ((77+7)^{(7+7)/7}) \\
&:= 8 + (((8 \times (888 - 8)) + ((8+8)/8)) + 8) + 8 \\
&:= 9 + ((9-9/9) \times (9 \times 99 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7057 &:= 1 + ((1 + (1 + (1 + (11 - 1 - 1)^{1+1})))^{1+1}) \\
&:= 2/2 + ((2 \times ((2 \times 22) - 2))^2) \\
&:= 3/3 + ((3 \times 3^3 + 3)^{3-3/3}) \\
&:= 4/4 + (4 \times (4 \times (444 - 4) + 4)) \\
&:= 55 + (5 \times 5 \times (5 \times 55 + 5) + ((5+5)/5)) \\
&:= 6/6 + ((6666 - 6) + 6 \times 66) \\
&:= 7/7 + ((77+7)^{(7+7)/7}) \\
&:= 8 + ((8 \times (888 - 8) + 8/8) + 8) \\
&:= 9/9 + (9-9/9) \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7062 &:= (1+1) \times (11 \times ((1+1+1) \times 111 - (1+11))) \\
&:= 2 + (((2 \times ((2 \times 22) - 2))^2) + 2) + 2 \\
&:= 33 + (33 \times ((3+3)^3 - 3)) \\
&:= (4+4)/4 + 4 \times (4 \times 444) - 44 \\
&:= 55/5 \times (((55+5^5+5)/5) + 5) \\
&:= 6 \times 66 + 6666 \\
&:= 7 + (((77+7)^{(7+7)/7}) - 7/7) \\
&:= 88/8 \times (8 \times (88 - 8) + ((8+8)/8)) \\
&:= 9 \times 9 \times 9 \times 9 + (((9+9)/9)^9) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7067 &:= 11 + ((1 + (1 + (1 + (11 - 1 - 1)^{1+1})))^{1+1}) \\
&:= 22/2 + ((2 \times ((2 \times 22) - 2))^2) \\
&:= 3 + ((33 \times (3+3)^3) - ((3/3+3)^3)) \\
&:= 44/4 + (4 \times (4 \times (444 - 4) + 4)) \\
&:= 5 + (55/5 \times (((55+5^5+5)/5) + 5)) \\
&:= 6 + ((6666 - 6/6) + 6 \times 66) \\
&:= 77/7 + ((77+7)^{(7+7)/7}) \\
&:= 8 + ((8 \times (888 - 8) + (88/8)) + 8) \\
&:= 99/9 + (9-9/9) \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7068 &:= 1 + (11 + ((1 + (1 + (1 + (11 - 1 - 1)^{1+1})))^{1+1})) \\
&:= 2 \times ((2 \times ((2 \times 22 - 2)^2 + 2)) + 2) \\
&:= (33 \times (3 + 3)^3) - (3^3 + 33) \\
&:= (4 \times (4 \times 444 - (4 + 4))) - 4 \\
&:= (5 \times 5 \times 5 - 5/5) \times ((5 + 5)/5 + 55) \\
&:= 6 + (6666 + 6 \times 66) \\
&:= (77 + 7)/7 + ((77 + 7)^{(7+7)/7}) \\
&:= 8 + (8 \times 888 - (88/(8 + 8)/8)) \\
&:= (99 + 9)/9 + (9 - 9/9) \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7069 &:= (1 + 1)^{1+1+11} - (1 + (11 + 1111)) \\
&:= 2 + (((2 \times ((2 \times 22) - 2))^2) + 22/2) \\
&:= 3/3 + ((33 \times (3 + 3)^3) - (3^3 + 33)) \\
&:= 4/4 + ((4 \times (4 \times 444 - (4 + 4))) - 4) \\
&:= (5 - 5/5)^5 + (55 \times (55 + 55) - 5) \\
&:= 6 + ((6666 + 6 \times 66) + 6/6) \\
&:= 7 + (((77 + 7)^{(7+7)/7}) - 7/7) + 7 \\
&:= 8 \times 888 - (88/8 + 8 + 8 + 8) \\
&:= 9 + (((9 \times 999 - 9)/(9 + 9)) + 9 \times 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7070 &:= (1 + 1)^{1+1+11} - (11 + 1111) \\
&:= (2^{2+2} \times (2 \times 222 - 2)) - 2 \\
&:= 3 + (((33 \times (3 + 3)^3) - ((3/3 + 3)^3)) + 3) \\
&:= (4 \times (4 \times 444 - (4 + 4))) - (4 + 4)/4 \\
&:= (5 \times (5 \times ((5 \times 55 + 5) + 5))) - 55 \\
&:= 6 + ((6666 + 6 \times 66) + ((6 + 6)/6)) \\
&:= 7 + (((77 + 7)^{(7+7)/7}) + 7) \\
&:= 8 + (8 \times (888 - 8) + (88 + 88)/8) \\
&:= (9 - (9 + 9)/9) \times (99/9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7071 &:= 1 + (((1 + 1)^{1+1+11}) - (11 + 1111)) \\
&:= (2^{2+2} \times (2 \times 222 - 2)) - 2/2 \\
&:= 3 + ((33 \times (3 + 3)^3) - (3^3 + 33)) \\
&:= (4 \times (4 \times 444 - (4 + 4))) - 4/4 \\
&:= 5/5 + ((5 \times (5 \times ((5 \times 55 + 5) + 5))) - 55) \\
&:= 6 \times 6 + (((66 + 6/6) \times (666/6 - 6)) \\
&:= 7 + (((77 + 7)^{(7+7)/7}) + 7/7) + 7 \\
&:= 8 \times 888 - ((8/8 + 8 + 8 + 8) + 8) \\
&:= 9 \times 9 \times 9 \times 9 + (((9 + 9)/9)^9) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7072 &:= ((11 \times (1 + 1 + 1)) - 1) \times ((1 + 1) \times 111 - 1) \\
&:= 2^{2+2} \times (2 \times 222 - 2) \\
&:= (3 + 3)^3 + (((3 \times (3 + 3)) + 3/3)^3) - 3 \\
&:= 4 \times (4 \times 444 - (4 + 4)) \\
&:= (5 \times 5 + 5/5) \times (((5 + 5)/5 - 5) + 5 \times 55) \\
&:= 6 \times 66 + (((66 - 6)/6) + 6666) \\
&:= 7 + (((77 + 7)^{(7+7)/7}) + ((7 + 7)/7)) + 7 \\
&:= 8 \times (888 - 8 \times 8/(8 + 8)) \\
&:= (9 - 9/9) \times (((9 + 9)/9) - 9) + 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7073 &:= 1 + (((11 \times (1 + 1 + 1)) - 1) \times ((1 + 1) \times 111 - 1)) \\
&:= 2/2 + (2^{2+2} \times (2 \times 222 - 2)) \\
&:= (3 \times 3 \times 3^{3+3}) + ((3 - 3/3)^{3 \times 3}) \\
&:= 4/4 + (4 \times (4 \times 444 - (4 + 4))) \\
&:= 5 + ((5 \times 5 \times 5 - 5/5) \times ((5 + 5)/5 + 55)) \\
&:= 6 \times 66 + (6666 + (66/6)) \\
&:= 7 + (((77 + 7)^{(7+7)/7}) + ((77 - 7)/7)) \\
&:= 8 \times 8 \times 8 + (88/8 - 8)^8 \\
&:= 9 \times 9 \times 9 \times 9 + ((9 + 9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7074 &:= (1 + 1)^{11} + ((111 - 1)^{1+1})/(1 + 1) \\
&:= 2 + (2^{2+2} \times (2 \times 222 - 2)) \\
&:= 3 \times (3 \times ((33 \times (3^3 - 3)) - (3 + 3))) \\
&:= (4 + 4)/4 + (4 \times (4 \times 444 - (4 + 4))) \\
&:= (5/5 + 5) \times ((5^5 - 5)/5 + 555) \\
&:= 6 + ((6666 + 6 \times 66) + 6) \\
&:= 7 + (((77 + 7)^{(7+7)/7}) + (77/7)) \\
&:= 8/8 + ((88/8 - 8)^8 + 8 \times 8 \times 8) \\
&:= 9 + ((9 - 9/9) \times (9 \times 99 - 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7075 &:= (((11^{1+1} - (1 + 1))^{1+1}) - 11)/(1 + 1) \\
&:= 2 + ((2^{2+2} \times (2 \times 222 - 2)) + 2/2) \\
&:= (3 + 3)^3 + (((3 \times (3 + 3)) + 3/3)^3) \\
&:= 4 + ((4 \times (4 \times 444 - (4 + 4))) - 4/4) \\
&:= 5 \times (((5 \times (5 \times 55 + 5) + 5) + 5) + 5) \\
&:= 6 + (((6666 + 6 \times 66) + 6/6) + 6) \\
&:= (7 \times 7 \times 7 \times (7 + 7 + 7)) - ((7 + 7)/7)^7 \\
&:= 8 + (((8 \times (888 - 8) + (88/8)) + 8) + 8) \\
&:= 9 + (((9 - 9/9) \times (9 \times 99 - 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7076 &:= 1 + (((11^{1+1} - (1 + 1))^{1+1}) - 11)/(1 + 1) \\
&:= 22 + (((2 \times ((2 \times 22) - 2))^2) - 2) \\
&:= ((3^3 - 3/3) + 3) \times ((3^{3+3} + 3/3)^3) \\
&:= 4 + (4 \times (4 \times 444 - (4 + 4))) \\
&:= ((55 + 5/5) + 5) \times (555/5 + 5) \\
&:= 6 \times 6 + (((6 + 6)/6)^6 \times ((666 - 6)/6)) \\
&:= 7 + (((77 + 7)^{(7+7)/7}) - 7/7) + 7 + 7 \\
&:= 8 \times 888 + ((8 - 8 \times 8)/(8 + 8)/8) \\
&:= 9 + ((9 - 9/9) \times (9 \times 99 - 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7077 &:= (11 + (11 - 1)) \times (1 + ((1 + 1 + 1) \times (1 + 111))) \\
&:= 22 + (((2 \times ((2 \times 22) - 2))^2) - 2/2) \\
&:= 3 + (3 \times (3 \times ((33 \times (3^3 - 3)) - (3 + 3)))) \\
&:= (4 \times (4 \times 444 - 4)) - 44/4 \\
&:= 5 + ((5 \times 5 + 5/5) \times (((5 + 5)/5 - 5) + 5 \times 55)) \\
&:= 6 + (((66 + 6/6) \times (666/6 - 6)) + 6 \times 6) \\
&:= 7 + (((77 + 7)^{(7+7)/7}) + 7) + 7 \\
&:= 8 \times 888 - (88/8 + 8 + 8) \\
&:= (9 - (9 + 9)/9) \times ((99 + 9)/9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7078 &:= ((1 + 1)^{1+1+11}) - (1 + (1 + (1 + 1111))) \\
&:= 22 + ((2 \times ((2 \times 22) - 2))^2) \\
&:= 3 + (((3 \times (3 + 3)) + 3/3)^3) + (3 + 3)^3 \\
&:= (4 - 44)/4 + (4 \times (4 \times 444 - 4)) \\
&:= (((5 + 5)/5 + 5) \times ((5 - 5/5)^5 - 5)) - 55 \\
&:= 6 + (((66 - 6)/6) + 6666) + 6 \times 66 \\
&:= 7 + (((77 + 7)^{(7+7)/7}) + 7/7) + 7 + 7 \\
&:= 8 \times 888 + ((8 - 88)/8 - (8 + 8)) \\
&:= 99 \times (9 \times 9 - 9) - ((9 \times 99 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7079 &:= (1 + 1)^{1+1+11} - (1 + (1 + 1111)) \\
&:= 22 + (((2 \times ((2 \times 22) - 2))^2) + 2/2) \\
&:= 3 + (((3^3 - 3/3) + 3) \times ((3^{3+3} + 3)/3)) \\
&:= (4 \times (4 \times 444 - 4)) - (4/4 + 4 + 4) \\
&:= 5 + (55 \times (55 + 55) + (5 - 5/5)^5) \\
&:= 6 + ((6666 + 6 \times 66) + (66/6)) \\
&:= 77 + (((7 + 7)/7 + 7) \times (777 + 7/7)) \\
&:= 8 \times 888 - (8/8 + 8 + 8 + 8) \\
&:= 9 + ((9 - (9 + 9)/9) \times (99/9 + 999))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7080 &:= (1 + 1)^{1+1+11} - (1 + 1111) \\
&:= 2 + (((2 \times ((2 \times 22) - 2))^2) + 22) \\
&:= 3^3 + (((3 \times 3^3 + 3)^{3-3/3}) - 3) \\
&:= (44 - 4) \times (4 \times 44 + 4/4) \\
&:= 55 + 5 \times (5 \times (5 \times 55 + 5) + 5) \\
&:= (66 - 6) \times ((666 + 6)/6 + 6) \\
&:= (77/7 + 7 \times 7) \times (777/7 + 7) \\
&:= 8 \times 888 - 8 - 8 - 8 \\
&:= (9 - 9/9) \times (((9 + 9 + 9)/9) - 9) + 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7081 &:= (1 + 1)^{1+1+11} - 1111 \\
&:= (2^{22/2+2}) - 2222/2 \\
&:= 3 + (((3 \times (3 + 3)) + 3/3)^3) + (3 + 3)^3 + 3 \\
&:= 4 + ((4 \times (4 \times 444 - 4)) - 44/4) \\
&:= 5 + (((55 + 5/5) + 5) \times (555/5 + 5)) \\
&:= (6 \times ((66 \times (6 + 6 + 6)) - 6)) - 66/6 \\
&:= 7 + (((77 + 7)^{(7+7)/7}) + (77/7)) + 7 \\
&:= 8 + ((88/8 - 8)^8 + 8 \times 8 \times 8) \\
&:= ((9/9 - 9) + 9 \times 9) \times (99 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7082 &:= 1 + (((1 + 1)^{1+1+11}) - 1111) \\
&:= (2 \times (2^{2+2} \times 222)) - 22 \\
&:= (33/3)^3 + (3^3 \times ((3 + 3)^3 - 3)) \\
&:= (4 \times 4 \times 444) - (44/(4 + 4)/4) \\
&:= 55 + (5 \times (5 \times (5 \times 55 + 5) + 5) + ((5 + 5)/5)) \\
&:= (6 - 66)/6 + (6 \times ((66 \times (6 + 6 + 6)) - 6)) \\
&:= 7 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) - ((7 + 7)/7)^7) \\
&:= 8 \times 888 - (88 + 88)/8 \\
&:= 9 + (9 \times 9 \times 9 \times 9 + ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7083 &:= 1 + (1 + (((1+1)^{1+1+1}) - 1111)) \\
&:= (22 \times ((2^{2+2} + 2)^2) - 2) / 2 \\
&:= 3^3 + ((3 \times 3^3 + 3)^{3-3/3}) \\
&:= (4 \times (4 \times 444 - 4)) - 4/4 - 4 \\
&:= 5 \times 5 \times 5 \times 55 + ((5^5 - 5)/(5 + 5 + 5)) \\
&:= 6 \times 6 + (((6^{6-6/6}) - ((6 \times 6/(6+6))^6)) \\
&:= 77 + ((77 \times (77 + 7 + 7)) - 7/7) \\
&:= 8 \times 888 + ((8 - (88 + 88))/8) \\
&:= 9999 - 9 \times (9 + 9) \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7084 &:= (1 + 1) \times (11 \times ((1 + 1 + 1) \times 111 - 11)) \\
&:= 22 \times ((2^{2+2} + 2)^2) - 2 \\
&:= 33/3 \times (3 \times (3 + 3)^3 - (3/3 + 3)) \\
&:= (4 \times (4 \times 444 - 4)) - 4 \\
&:= 55/5 \times (((5^5 - 5)/5 - 5) + 5 \times 5) \\
&:= 66/6 \times (666 - ((66 + 66)/6)) \\
&:= 77 + (77 \times (77 + 7 + 7)) \\
&:= 8 \times 888 - ((88 + 8)/8 + 8) \\
&:= 9/9 + (9999 - 9 \times (9 + 9) \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7085 &:= 1 + ((1 + 1) \times (11 \times ((1 + 1 + 1) \times 111 - 11))) \\
&:= 2/2 + (22 \times ((2^{2+2} + 2)^2) - 2) \\
&:= 3 + ((3^3 \times ((3 + 3)^3 - 3)) + (33/3)^3) \\
&:= 4/4 + ((4 \times (4 \times 444 - 4)) - 4) \\
&:= 5 + (5 \times (5 \times (5 \times 55 + 5) + 5) + 55) \\
&:= (6/6 - 66) \times (((6 - 666) + 6)/6) \\
&:= 7/7 + ((77 \times (77 + 7 + 7)) + 7/7) \\
&:= 8 \times 888 - (88/8 + 8) \\
&:= 99 + ((9 - (9 + 9)/9) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7086 &:= (11 + ((11^{1+1} - (1 + 1))^{1+1})) / (1 + 1) \\
&:= 2 + (22 \times ((2^{2+2} + 2)^2) - 2) \\
&:= (33 \times (3 + 3)^3) - (3 \times 3 + 33) \\
&:= (4 \times (4 \times 444 - 4)) - (4 + 4)/4 \\
&:= (5/5 + 5) \times ((5^5 + 5)/5 + 555) \\
&:= (6 \times ((66 \times (6 + 6 + 6)) - 6)) - 6 \\
&:= 77 + ((77 \times (77 + 7 + 7)) + ((7 + 7)/7)) \\
&:= 8 \times 888 + ((8 - 88)/8 - 8) \\
&:= 9 + ((9 - (9 + 9)/9) \times ((99 + 9)/9 + 999))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7087 &:= 1 + ((11 + ((11^{1+1} - (1 + 1))^{1+1})) / (1 + 1)) \\
&:= 2 + ((22 \times ((2^{2+2} + 2)^2) - 2) + 2/2) \\
&:= 3 + (33/3 \times (3 \times (3 + 3)^3 - (3/3 + 3))) \\
&:= (4 \times (4 \times 444 - 4)) - 4/4 \\
&:= 5 \times 5 + (55/5 \times (((55 + 5^5 + 5)/5) + 5)) \\
&:= 6/6 + ((6 \times ((66 \times (6 + 6 + 6)) - 6)) - 6) \\
&:= 7 + ((77/7 + 7 \times 7) \times (777/7 + 7)) \\
&:= 8 \times 888 - (8/8 + 8 + 8) \\
&:= 99 \times (9 \times 9 - 9) - ((9 \times 9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7088 &:= (((11^{1+1} - 1)^{1+1}) / (1 + 1)) - (1 + 111) \\
&:= 2 \times (2 \times (2 \times (2 \times 222 - 2))) \\
&:= 33 + (((3 \times 3^3 + 3)^{3-3/3}) - 3/3) \\
&:= 4 \times (4 \times 444 - 4) \\
&:= 5 + (((5^5 - 5)/(5 + 5 + 5)) + 5 \times 5 \times 5 \times 55) \\
&:= (6 + 6)/6 + ((6 \times ((66 \times (6 + 6 + 6)) - 6)) - 6) - 6 \\
&:= 7 + (((((77 + 7)^{7+7/7}) + (77/7)) + 7) + 7) \\
&:= 8 \times 888 - 8 - 8 \\
&:= (9 - 9/9) \times (((9 - 99)/(9 + 9)) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7089 &:= (((11^{1+1} - 1)^{1+1}) / (1 + 1)) - 111 \\
&:= 22 + (((2 \times ((2 \times 22) - 2))^2) + 22/2) \\
&:= 33 + ((3 \times 3^3 + 3)^{3-3/3}) \\
&:= 4/4 + (4 \times (4 \times 444 - 4)) \\
&:= 5 + (55/5 \times (((5^5 - 5)/5 - 5) + 5 \times 5)) \\
&:= (6 \times ((66 \times (6 + 6 + 6)) - 6)) - 6 \times 6/(6 + 6) \\
&:= 7 \times 7 + (7777/7 + 77 \times 77) \\
&:= 8/8 + (8 \times 888 - (8 + 8)) \\
&:= 9 \times (9 \times (9 \times 9 + 9) - 9) - (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7090 &:= 1 + (((11^{1+1} - 1)^{1+1}) / (1 + 1)) - 111 \\
&:= 2 + (2 \times (2 \times (2 \times (2 \times 222 - 2)))) \\
&:= (33 \times (3 + 3)^3) - (33/3 + 3^3) \\
&:= (4 + 4)/4 + (4 \times (4 \times 444 - 4)) \\
&:= (55 \times (5 \times 5 \times 5 + 5)) - 55 - 5 \\
&:= (6 \times ((66 \times (6 + 6 + 6)) - 6)) - (6 + 6)/6 \\
&:= 7777 - ((7 \times 7 \times (7 + 7)) + 7/7) \\
&:= (8 + 8)/8 + (8 \times 888 - (8 + 8)) \\
&:= (9/9 + 9) \times (9 \times 9 \times 9 - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7091 &:= 11 + (((1 + 1)^{1+1+1}) - (1 + 1111)) \\
&:= (2 \times (2^{2+2} \times 222)) - (22/2 + 2) \\
&:= (33 \times (3 + 3)^3) - (3/3 + 33 + 3) \\
&:= 4 + ((4 \times (4 \times 444 - 4)) - 4/4) \\
&:= (5/5 + 5)^5 - ((5^5/5 + 55) + 5) \\
&:= (6 \times ((66 \times (6 + 6 + 6)) - 6)) - 6/6 \\
&:= 7777 - (7 \times 7 \times (7 + 7)) \\
&:= 8 \times 888 - (88 + 8 + 8)/8 \\
&:= 9 + ((9 \times 9 \times 9 \times 9 + ((9 + 9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7092 &:= 11 + (((1 + 1)^{1+1+1}) - 1111) \\
&:= 2 \times ((2 \times (2 \times (2 \times 222 - 2))) + 2) \\
&:= (33 \times (3 + 3)^3) - (33 + 3) \\
&:= 4 + (4 \times (4 \times 444 - 4)) \\
&:= (5/5 + 5) \times ((5^5 + 5 + 5)/5 + 555) \\
&:= 6 \times ((66 \times (6 + 6 + 6)) - 6) \\
&:= 7/7 + (7777 - (7 \times 7 \times (7 + 7))) \\
&:= 8 \times 888 - (88 + 8)/8 \\
&:= 99 + 999 \times (9 - (9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7093 &:= (111 \times ((1 + 1)^{(1+1) \times (1+1+1)})) - 11 \\
&:= (2 \times (2^{2+2} \times 222)) - 22/2 \\
&:= 3/3 + ((33 \times (3 + 3)^3) - (33 + 3)) \\
&:= 4 \times (4 \times 444) - 44/4 \\
&:= 5^5 + (((5 + 5)/5)^5 \times (5 \times 5 \times 5 - 5/5)) \\
&:= 6/6 + (6 \times ((66 \times (6 + 6 + 6)) - 6)) \\
&:= 7 \times 77 + (((7 + 7 + 7)/7)^{7+7/7}) - 7 \\
&:= 8 \times 888 - 88/8 \\
&:= 9/9 + (999 \times (9 - (9 + 9)/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7094 &:= 1 + ((111 \times ((1 + 1)^{(1+1) \times (1+1+1)})) - 11) \\
&:= 22 + (2^{2+2} \times (2 \times 222 - 2)) \\
&:= (33 \times (3 + 3)^3) - 3/3 - 33 \\
&:= (4 - 44)/4 + (4 \times 4 \times 444) \\
&:= (55 \times (5 \times 5 \times 5 + 5)) - (55 + 5/5) \\
&:= (6 + 6)/6 + (6 \times ((66 \times (6 + 6 + 6)) - 6)) \\
&:= 7 \times 7 + (((77 + 7)^{7+7/7}) - (77/7)) \\
&:= 8 \times 888 + (8 - 88)/8 \\
&:= ((9 - 9/9) \times (9 \times 99 - ((9 + 9)/9))) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7095 &:= 11 \times (1 + ((1 + 1) \times ((1 + 1 + 1) \times 111 - 11))) \\
&:= 2 + ((2 \times (2^{2+2} \times 222)) - 22/2) \\
&:= 33 \times ((3 + 3)^3 - 3/3) \\
&:= (4 \times 4 \times 444) - (4/4 + 4 + 4) \\
&:= 55 \times ((5 \times 5 \times 5 - 5/5) + 5) \\
&:= (66 \times 6/(6 + 6)) \times (6 \times 6 \times 6 - 6/6) \\
&:= 77 + ((77 \times (77 + 7 + 7)) + (77/7)) \\
&:= 8 \times 888 - (8/8 + 8) \\
&:= 99/9 \times (9 \times (9 \times 9 - 9) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7096 &:= 1 + (11 \times (1 + ((1 + 1) \times ((1 + 1 + 1) \times 111 - 11)))) \\
&:= 2 \times (2 \times ((2 \times 2 \times 222) - 2)) \\
&:= 3/3 + (33 \times ((3 + 3)^3 - 3/3)) \\
&:= (4 \times 4 \times 444) - 4 - 4 \\
&:= (5/5 + 5)^5 - (5^5/5 + 55) \\
&:= 6 + ((6 \times ((66 \times (6 + 6 + 6)) - 6)) - ((6 + 6)/6)) \\
&:= (7/7 + 7) \times ((777 - 7)/7 + 777) \\
&:= 8 \times 888 - 8 \\
&:= (9 - 9/9) \times (((9 - 9 \times 9)/(9 + 9)) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7097 &:= 11 + (((1 + 1)^{1+1+1}) - (1 + 1111)) \\
&:= 2/2 + (2 \times (2 \times ((2 \times 2 \times 222) - 2))) \\
&:= 3 + ((33 \times (3 + 3)^3) - (3/3 + 33)) \\
&:= 4 + 4 \times (4 \times 444) - 44/4 \\
&:= ((5 - 5^5)/5) + (((5/5 + 5)^5 - 55) \\
&:= 6 + ((6 \times ((66 \times (6 + 6 + 6)) - 6)) - 6/6) \\
&:= ((7 - 7/7 + 7) \times (7 \times 77 + 7)) - 7/7 \\
&:= 8/8 + (8 \times 888 - 8) \\
&:= 99 \times (9 \times 9 - 9) - (((99 + 99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7098 &:= (1+1) \times ((11+(11-1)) \times (1+1+11)^{1+1}) \\
&:= ((2 \times 22) - 2) \times ((22/2 + 2)^2) \\
&:= 3 + (33 \times (3+3)^3 - 3/3) \\
&:= (4 \times 4 \times 444) - ((4+4)/4 + 4) \\
&:= ((5+5)/5 + 5) \times ((5-5/5)^5 - (5+5)) \\
&:= 6 + (6 \times ((66 \times (6+6+6)) - 6)) \\
&:= (7-7/7+7) \times (7 \times 77 + 7) \\
&:= (8+8)/8 + (8 \times 888 - 8) \\
&:= 9 \times (9 \times (9 \times 9 + 9) - 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7099 &:= (1 + ((1+1) \times ((11+11)^{1+1+1}))) / (1+1+1) \\
&:= (2 \times ((2^{2+2} \times 222) - 2)) - 2/2 \\
&:= 3 + ((33 \times (3+3)^3 - 3/3) + 3/3) \\
&:= (4 \times 4 \times 444) - 4/4 - 4 \\
&:= (5 \times ((5 \times (5 \times 55 + 5) + 5)) - 5) - 5/5 \\
&:= 6 + ((6 \times ((66 \times (6+6+6)) - 6)) + 6/6) \\
&:= 7/7 + ((7-7/7+7) \times (7 \times 77 + 7)) \\
&:= 88/8 + (8 \times 888 - (8+8)) \\
&:= 99 \times (9 \times 9 - 9) - (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7100 &:= (1+1) \times ((111 \times ((11 \times (1+1+1)) - 1)) - (1+1)) \\
&:= 2 \times ((2^{2+2} \times 222) - 2) \\
&:= (33 \times (3+3)^3) - (3^3 + 3/3) \\
&:= (4 \times 4 \times 444) - 4 \\
&:= 5 \times ((5 \times (5 \times 55 + 5) + 5)) - 5 \\
&:= 6 + ((6 \times ((66 \times (6+6+6)) - 6)) + ((6+6)/6)) \\
&:= 7 \times 77 + (((7+7+7)/7)^{7+7/7}) \\
&:= 8 \times 888 - 8 \times 8/(8+8) \\
&:= (9/9 + 99) \times (9 \times 9 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7101 &:= (111 \times ((1+1)^{(1+1) \times (1+1+1)})) - 1 - 1 - 1 \\
&:= 2/2 + (2 \times ((2^{2+2} \times 222) - 2)) \\
&:= (33 \times (3+3)^3) - 3^3 \\
&:= 4/4 + (4 \times 4 \times 444) - 4 \\
&:= 5 + ((5/5 + 5)^5 - (5^5/5 + 55)) \\
&:= 6 + ((66 \times 6/(6+6)) \times (6 \times 6 \times 6 - 6/6)) \\
&:= ((7+7)/7 + 7) \times ((77+7)/7 + 777) \\
&:= 8 + (8 \times 888 - (88/8)) \\
&:= 9 \times (9 \times 99 + 9) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7102 &:= (1+1) \times ((111 \times ((11 \times (1+1+1)) - 1)) - 1) \\
&:= (2 \times (2^{2+2} \times 222)) - 2 \\
&:= 3/3 + ((33 \times (3+3)^3) - 3^3) \\
&:= (4 \times 4 \times 444) - (4+4)/4 \\
&:= 5 + (((5/5 + 5)^5 - 55) + ((5-5^5)/5)) \\
&:= (66 + 6/6) \times ((666 + 6)/6 - 6) \\
&:= 77/7 + (7777 - (7 \times 7 \times (7+7))) \\
&:= 8 \times 888 - (8+8)/8 \\
&:= 9/9 + (9 \times (9 \times 99 + 9) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7103 &:= (111 \times ((1+1)^{(1+1) \times (1+1+1)})) - 1 \\
&:= (2 \times (2^{2+2} \times 222)) - 2/2 \\
&:= 3 + ((33 \times (3+3)^3) - (3^3 + 3/3)) \\
&:= (4 \times 4 \times 444) - 4/4 \\
&:= 5 + (((5+5)/5 + 5) \times ((5-5/5)^5 - (5+5))) \\
&:= 66/6 + (6 \times ((66 \times (6+6+6)) - 6)) \\
&:= 7 \times 7 + (((77+7)^{(7+7)/7}) - ((7+7)/7)) \\
&:= 8 \times 888 - 8/8 \\
&:= ((9-9/9) \times (9 \times 99 - ((9+9)/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7104 &:= 111 \times ((1+1)^{(1+1) \times (1+1+1)}) \\
&:= 2 \times (2^{2+2} \times 222) \\
&:= 3 + ((33 \times (3+3)^3) - 3^3) \\
&:= 4 \times 4 \times 444 \\
&:= 555/5 \times ((55-5/5+5) + 5) \\
&:= ((6+6)/6)^6 \times 666/6 \\
&:= 7 \times 7 + (((77+7)^{(7+7)/7}) - 7/7) \\
&:= 8 \times 888 \\
&:= (9-9/9) \times (9 \times 99 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7105 &:= 1 + (111 \times ((1+1)^{(1+1) \times (1+1+1)})) \\
&:= 2/2 + (2 \times (2^{2+2} \times 222)) \\
&:= 3 + (((33 \times (3+3)^3) - 3^3) + 3/3) \\
&:= 4/4 + (4 \times 4 \times 444) \\
&:= 5 + (5 \times ((5 \times (5 \times 55 + 5) + 5)) - 5) \\
&:= 6/6 + (((6+6)/6)^6 \times 666/6) \\
&:= 7 \times (7 \times 7 \times (7+7+7) - (7+7)) \\
&:= 8/8 + 8 \times 888 \\
&:= 9 \times 9 \times 9 + 9 + (99 \times 99 - 9)/(9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7106 &:= 1 + (1 + (111 \times ((1+1)^{(1+1) \times (1+1+1)}))) \\
&:= 2 + (2 \times (2^{2+2} \times 222)) \\
&:= 33/3 + (33 \times ((3+3)^3 - 3/3)) \\
&:= (4+4)/4 + (4 \times 4 \times 444) \\
&:= 55/5 \times (((55+5^5)/5) + 5) + 5 \\
&:= 66 + (((6+6)/6)^6 \times ((666-6)/6)) \\
&:= 7/7 + (((77+7)^{(7+7)/7}) + 7 \times 7) \\
&:= (8+8)/8 + 8 \times 888 \\
&:= 99/9 \times (9 \times (9 \times 9 - 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7107 &:= 1 + (1 + (1 + (111 \times ((1+1)^{(1+1) \times (1+1+1)})))) \\
&:= 2 + ((2 \times (2^{2+2} \times 222)) + 2/2) \\
&:= 3 + (((33 \times (3+3)^3) - 3^3) + 3) \\
&:= 4 + (4 \times 4 \times 444) - 4/4 \\
&:= (5/5 + 5)^5 + (((55-5^5)/5) - 55) \\
&:= (6 \times 6/(6+6)) \times (6 \times 6 \times 66 - (6/6 + 6)) \\
&:= 7 + (((7+7+7)/7)^{7+7/7}) + 7 \times 77 \\
&:= 88/8 + (8 \times 888 - 8) \\
&:= 99 \times (9 \times 9 - 9) - ((99+9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7108 &:= (1+1) \times (1 + (1 + (111 \times ((11 \times (1+1+1)) - 1)))) \\
&:= 2 \times ((2^{2+2} \times 222) + 2) \\
&:= (33 \times (3+3)^3) - (33/3 + 3 \times 3) \\
&:= 4 + (4 \times 4 \times 444) \\
&:= (((5+5)/5 + 5) \times (5-5/5)^5) - 55 - 5 \\
&:= (6^{6-6/6}) - (666 + (6+6)/6) \\
&:= 7 + (((7+7)/7 + 7) \times ((77+7)/7 + 777)) \\
&:= 8 \times 888 + 8 \times 8/(8+8) \\
&:= 99 \times (9 \times 9 - 9) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7109 &:= 1 + ((1+1) \times (1 + (1 + (111 \times ((11 \times (1+1+1)) - 1)))))) \\
&:= 2/2 + (2 \times ((2^{2+2} \times 222) + 2)) \\
&:= (33 \times (3+3)^3) - ((3 \times (3+3)) + 3/3) \\
&:= 4 + (4 \times 4 \times 444) + 4/4 \\
&:= 5 + (555/5 \times ((55-5/5+5) + 5)) \\
&:= (6^{6-6/6}) - 666 - 6/6 \\
&:= 77/7 + ((7-7/7+7) \times (7 \times 77 + 7)) \\
&:= 8 + ((8 \times 888 - (88/8)) + 8) \\
&:= 99 \times (9 \times 9 - 9) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7110 &:= (1+1) \times (1 + (1 + (1 + (111 \times ((11 \times (1+1+1)) - 1)))))) \\
&:= 2 + (2 \times ((2^{2+2} \times 222) + 2)) \\
&:= (3+3) \times ((33 \times (33+3)) - 3) \\
&:= 4 + (4 \times 4 \times 444) + (4+4)/4 \\
&:= ((5+5) \times (5-5/5)^5) - (5^5 + 5) \\
&:= (6^{6-6/6}) - 666 \\
&:= ((7+7)/7 + 7) \times (((777-7/7) + 7) + 7) \\
&:= 8 + (8 \times 888 - ((8+8)/8)) \\
&:= 99 \times (9 \times 9 - 9) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7111 &:= ((1 + ((1+1+11) \times 1111)) / (1+1)) - 111 \\
&:= 222 + (((2/2 + 2)^{2+2} + 2)^2) \\
&:= 3/3 + ((3+3) \times ((33 \times (33+3)) - 3)) \\
&:= 4 + (4 \times 4 \times 444) - 4/4 + 4 \\
&:= 555/5 + 5 \times 5 \times (5 \times 55 + 5) \\
&:= 6/6 + ((6^{6-6/6}) - 666) \\
&:= (7-7/7+7) \times ((7 \times 77 + 7/7) + 7) \\
&:= 8 + (8 \times 888 - 8/8) \\
&:= 9/9 + (99 \times (9 \times 9 - 9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7112 &:= (1+1)^{1+1+1} \times (1 + (111 \times (1+1)^{1+1+1})) \\
&:= 2 \times (((2^{2+2} \times 222) + 2) + 2) \\
&:= 33/3 + ((33 \times (3+3)^3) - 3^3) \\
&:= 4 + (4 \times 4 \times 444) + 4 \\
&:= (55 + 5/5) \times (5 \times 5 \times 5 + ((5+5)/5)) \\
&:= (6+6)/6 + ((6^{6-6/6}) - 666) \\
&:= 7 + (((77+7)^{(7+7)/7}) + 7 \times 77) \\
&:= 8 + 8 \times 888 \\
&:= (9-9/9) \times (9 \times 99 - ((9+9)/9))
\end{aligned}$$

- ▶ **7113** := $11 + ((1 + 1) \times ((111 \times ((11 \times (1 + 1 + 1)) - 1)) - 1))$
:= $2 + (((2/2 + 2)^{2+2} + 2)^2) + 222$
:= $3 + ((3 + 3) \times ((33 \times (33 + 3)) - 3))$
:= $4 + (4 \times 4 \times 444) + 4/4 + 4$
:= $((5 + 5)/5 + 5) \times (5 - 5/5)^5 - 55$
:= $66 + ((6^{6-6/6}) - ((6 \times 6)/(6 + 6))^6)$
:= $7 + (((77 + 7)^{(7+7)/7}) + 7 \times 7) + 7/7$
:= $8 + (8 \times 888 + 8/8)$
:= $9 + ((9 - 9/9) \times (9 \times 99 - ((9 + 9 + 9)/9)))$
- ▶ **7114** := $11 + ((111 \times ((1 + 1)^{(1+1) \times (1+1+1)})) - 1)$
:= $2 + (2 \times (((2^{2+2} \times 222) + 2) + 2))$
:= $(33 \times (3 + 3)^3) - (33/3 + 3)$
:= $(44 - 4)/4 + (4 \times 4 \times 444)$
:= $((5 + 5) \times (5 - 5/5)^5) - (5^5 + 5/5)$
:= $6 + ((6^{6-6/6}) - (666 + (6 + 6)/6))$
:= $((7 + 7)/7)^{7-7/7+7} - 77 \times (7 + 7)$
:= $8 + (8 \times 888 + ((8 + 8)/8))$
:= $((9 - 99)/(9 + 9)) + (99 \times (9 \times 9 - 9) - 9)$
- ▶ **7115** := $11 + (111 \times ((1 + 1)^{(1+1) \times (1+1+1)}))$
:= $22/2 + (2 \times (2^{2+2} \times 222))$
:= $((3 - 33)/3) + ((33 \times (3 + 3)^3) - 3)$
:= $44/4 + (4 \times 4 \times 444)$
:= $((5 + 5) \times (5 - 5/5)^5) - 5^5$
:= $6 + ((6^{6-6/6}) - (666 + 6/6))$
:= $(7 \times 7 \times 7 \times (7 + 7 + 7)) - (77/7 + 77)$
:= $88/8 + 8 \times 888$
:= $99 \times (9 \times 9 - 9) - (99 + 9 + 9)/9$
- ▶ **7116** := $1 + (11 + (111 \times ((1 + 1)^{(1+1) \times (1+1+1)})))$
:= $2 \times (((2^{2+2} \times 222) + 2) + 2) + 2$
:= $(33 \times (3 + 3)^3) - (3 \times 3 + 3)$
:= $(4 \times (4 \times 444 + 4)) - 4$
:= $5/5 + (((5 + 5) \times (5 - 5/5)^5) - 5^5)$
:= $6 + ((6^{6-6/6}) - 666)$
:= $7 \times 7 + (((77 + 7)^{(7+7)/7}) + (77/7))$
:= $8 \times 888 + (88 + 8)/8$
:= $99 \times (9 \times 9 - 9) - (99 + 9)/9$
- ▶ **7117** := $11 \times (((1 + 1) \times (1 + 1) \times (11 - 1 - 1)^{1+1}) - 1)$
:= $22/2 \times (((2 + 2 + 2)^{2+2} - 2)/2)$
:= $(33 \times (3 + 3)^3) - 33/3$
:= $4/4 + ((4 \times (4 \times 444 + 4)) - 4)$
:= $55/5 \times (((55 + 55) + 5^5)/5)$
:= $(6 \times (66 \times (6 + 6 + 6))) - 66/6$
:= $77 + (7777/7 + 77 \times 77)$
:= $8 \times 888 + (88 + 8 + 8)/8$
:= $99 \times (9 \times 9 - 9) - 99/9$
- ▶ **7118** := $11111 - ((1 + 1 + 1) \times 11^{1+1+1})$
:= $(2 \times (2 \times (2 \times (2 \times 2 \times 222 + 2)))) - 2$
:= $((3 - 33)/3) + (33 \times (3 + 3)^3)$
:= $(4 \times (4 \times 444 + 4)) - (4 + 4)/4$
:= $5 \times 5 \times 5 \times 55 + ((5 - (5 + 5)/5)^5)$
:= $(6 - 66)/6 + (6 \times (66 \times (6 + 6 + 6)))$
:= $777/7 + (77 \times (77 + 7 + 7))$
:= $8 + ((8 \times 888 - ((8 + 8)/8)) + 8)$
:= $99 \times (9 \times 9 - 9) - 9/9 - 9$
- ▶ **7119** := $(1 + 1 + 1) \times ((11 + (11 - 1)) \times (1 + 1 + 111))$
:= $2 + (22/2 \times (((2 + 2 + 2)^{2+2} - 2)/2))$
:= $(33 \times (3 + 3)^3) - 3 \times 3$
:= $(4 \times (4 \times 444 + 4)) - 4/4$
:= $(5 \times (5 \times ((5 \times 55 + 5) + 5))) - (5/5 + 5)$
:= $((6 - 66) + 6)/6 + (6 \times (66 \times (6 + 6 + 6)))$
:= $7 \times (((7/7 + 7) \times ((7 + 7)/7)^7) - 7)$
:= $8 + ((8 \times 888 - 8/8) + 8)$
:= $99 \times (9 \times 9 - 9) - 9$
- ▶ **7120** := $1 + ((1 + 1 + 1) \times ((11 + (11 - 1)) \times (1 + 1 + 111)))$
:= $2 \times (2 \times (2 \times (2 \times 2 \times 222 + 2)))$
:= $3 + ((33 \times (3 + 3)^3) - 33/3)$
:= $4 \times (4 \times 444 + 4)$
:= $(5 \times (5 \times ((5 \times 55 + 5) + 5))) - 5$
:= $(6 \times (66 \times (6 + 6 + 6))) - ((6 + 6)/6 + 6)$
:= $7/7 + (7 \times (((7/7 + 7) \times ((7 + 7)/7)^7) - 7))$
:= $8 + (8 \times 888 + 8)$
:= $9/9 + (99 \times (9 \times 9 - 9) - 9)$
- ▶ **7121** := $(1 + 1)^{1+1+1} + ((111 - 1)/(1 + 1))^{1+1}$
:= $2/2 + (2 \times (2 \times (2 \times 2 \times 222 + 2)))$
:= $(33 \times (3 + 3)^3) - (3/3 + 3 + 3)$
:= $4/4 + (4 \times (4 \times 444 + 4))$
:= $5/5 + ((5 \times (5 \times ((5 \times 55 + 5) + 5))) - 5)$
:= $(6 \times (66 \times (6 + 6 + 6))) - 6/6 - 6$
:= $((7 + 7)/7)^7 + (777 \times ((7 + 7)/7 + 7))$
:= $8 + ((8 \times 888 + 8/8) + 8)$
:= $(9 + 9)/9 + (99 \times (9 \times 9 - 9) - 9)$
- ▶ **7122** := $1 + (1 + 1)^{1+1+1} + ((111 - 1)/(1 + 1))^{1+1}$
:= $2 + (2 \times (2 \times (2 \times (2 \times 2 \times 222 + 2))))$
:= $(33 \times (3 + 3)^3) - 3 - 3$
:= $(4 + 4)/4 + (4 \times (4 \times 444 + 4))$
:= $5 + (55/5 \times (((55 + 55) + 5^5)/5))$
:= $(6 \times (66 \times (6 + 6 + 6))) - 6$
:= $77 + (((77 + 7)^{(7+7)/7}) - (77/7))$
:= $8 + ((8 \times 888 + ((8 + 8)/8)) + 8)$
:= $((9 + 9 + 9)/9) + (99 \times (9 \times 9 - 9) - 9)$
- ▶ **7123** := $(1 + (11 \times (((1 + 1 + 1) \times (1 + 11))^{1+1} - 1)))/(1 + 1)$
:= $(22 \times ((2^{2+2} + 2)^2)) - 2/2 - 2 - 2$
:= $3/3 + ((33 \times (3 + 3)^3) - (3 + 3))$
:= $4 + ((4 \times (4 \times 444 + 4)) - 4/4)$
:= $(5 \times (5 \times ((5 \times 55 + 5) + 5))) - (5 + 5)/5$
:= $6/6 + ((6 \times (66 \times (6 + 6 + 6))) - 6)$
:= $7 + (((77 + 7)^{(7+7)/7}) + (77/7)) + 7 \times 7$
:= $8 + (8 \times 888 + (88/8))$
:= $((9 - 99)/(9 + 9)) + 99 \times (9 \times 9 - 9)$
- ▶ **7124** := $(1 + 1) \times (11 + ((111 \times ((11 \times (1 + 1 + 1)) - 1)) - 1))$
:= $(22 \times ((2^{2+2} + 2)^2)) - 2 - 2$
:= $(33 \times (3 + 3)^3) - (3/3 + 3)$
:= $4 + (4 \times (4 \times 444 + 4))$
:= $(5 \times 5 + 5/5) \times (5 \times 55 - 5/5)$
:= $(6 + 6)/6 + ((6 \times (66 \times (6 + 6 + 6))) - 6)$
:= $(7 - 7/7 + 7) \times ((7 \times 77 + ((7 + 7)/7)) + 7)$
:= $8 + (8 \times 888 + ((88 + 8)/8))$
:= $((9 - 9 \times 9)/(9 + 9)) + 99 \times (9 \times 9 - 9)$
- ▶ **7125** := $111 + (11111 - (1 + ((1 + 1)^{1+1+1})))$
:= $(22 \times ((2^{2+2} + 2)^2)) - 2/2 - 2$
:= $(33 \times (3 + 3)^3) - 3$
:= $4 + ((4 \times (4 \times 444 + 4)) + 4/4)$
:= $5 \times (5 \times ((5 \times 55 + 5) + 5))$
:= $(6 \times 6/(6 + 6)) \times (6 \times 6 \times 66 - 6/6)$
:= $(7 \times 7 \times 7 \times (7 + 7 + 7)) - 7/7 - 77$
:= $8 + ((88 + 8 + 8)/8 + 8 \times 888)$
:= $99 \times (9 \times 9 - 9) - (9 + 9 + 9)/9$
- ▶ **7126** := $(1 + 1) \times (11 + (111 \times ((11 \times (1 + 1 + 1)) - 1)))$
:= $(22 \times ((2^{2+2} + 2)^2)) - 2$
:= $3/3 + ((33 \times (3 + 3)^3) - 3)$
:= $4 + ((4 \times (4 \times 444 + 4)) + (4 + 4)/4)$
:= $5/5 + (5 \times (5 \times ((5 \times 55 + 5) + 5)))$
:= $(6 \times (66 \times (6 + 6 + 6))) - (6 + 6)/6$
:= $(7 \times 7 \times 7 \times (7 + 7 + 7)) - 77$
:= $8 \times 888 + (88 + 88)/8$
:= $99 \times (9 \times 9 - 9) - (9 + 9)/9$
- ▶ **7127** := $(1 + 1) \times 11 \times ((1 + 1) \times (11 - 1 - 1))^{1+1} - 1$
:= $(22 \times ((2^{2+2} + 2)^2)) - 2/2$
:= $(33 \times (3 + 3)^3) - 3/3$
:= $4 + (((4 \times (4 \times 444 + 4)) - 4/4) + 4)$
:= $(5 + 5)/5 + (5 \times (5 \times ((5 \times 55 + 5) + 5)))$
:= $(6 \times (66 \times (6 + 6 + 6))) - 6/6$
:= $7/7 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) - 77)$
:= $8 + (((8 \times 888 - 8/8) + 8) + 8)$
:= $99 \times (9 \times 9 - 9) - 9/9$

$$\begin{aligned}
\blacktriangleright 7128 &:= (1+1) \times 11 \times ((1+1) \times (11-1-1))^{1+1} \\
&:= 22 \times ((2^{2+2} + 2)^2) \\
&:= 33 \times (3+3)^3 \\
&:= 4 + ((4 \times (4 \times 444 + 4)) + 4) \\
&:= 55/5 \times ((5^5 - 5 - 5)/5 + 5 \times 5) \\
&:= 6 \times (66 \times (6+6+6)) \\
&:= (7-7/7) \times (7777/7 + 77) \\
&:= 8 + ((8 \times 888 + 8) + 8) \\
&:= 99 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7133 &:= ((11 \times (1 + ((1+1+1) \times (1+11))^{1+1})) - 1)/(1+1) \\
&:= 2 + (((22 \times ((2^{2+2} + 2)^2)) + 2/2) + 2) \\
&:= 3 + (((33 \times (3+3)^3) - 3/3) + 3) \\
&:= 44 + ((4 \times (4 \times 444 - 4)) + 4/4) \\
&:= ((5+5)/5 + 5) \times ((5-5/5)^5 - 5) \\
&:= 6 + ((6 \times (66 \times (6+6+6))) - 6/6) \\
&:= 77 + ((77+7)^{(7+7)/7}) \\
&:= 8 + (((88+8+8)/8 + 8 \times 888) + 8) \\
&:= 99 \times (9 \times 9 - 9) + ((9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7138 &:= (11 \times 11 \times ((11^{1+1} - 1)/(1+1) - 1)) - 1 \\
&:= 2 + (2^{2+2} \times (2 \times 222 + 2)) \\
&:= 3 \times 3 + ((33 \times (3+3)^3) + 3/3) \\
&:= (4+4)/4 + (4 \times ((4 \times 444 + 4) + 4)) \\
&:= 5 + (((5+5)/5 + 5) \times ((5-5/5)^5 - 5)) \\
&:= ((66-6)/6) + (6 \times (66 \times (6+6+6))) \\
&:= (77-7/7+7) \times (((7+7)/7 + 77) + 7) \\
&:= 8 + (((8 \times 888 + ((8+8)/8)) + 8) + 8) + 8) \\
&:= 9 + (99 \times (9 \times 9 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7129 &:= (1+1) \times 11 \times ((1+1) \times (11-1-1))^{1+1} + 1 \\
&:= 2/2 + (22 \times ((2^{2+2} + 2)^2)) \\
&:= 3/3 + (33 \times (3+3)^3) \\
&:= 4 + (((4 \times (4 \times 444 + 4)) + 4/4) + 4) \\
&:= 5 + ((5 \times 5 + 5/5) \times (5 \times 55 - 5/5)) \\
&:= 6/6 + (6 \times (66 \times (6+6+6))) \\
&:= ((77+7) \times (7/7 + 77 + 7)) - 77/7 \\
&:= 8 + (((8 \times 888 + 8/8) + 8) + 8) \\
&:= 9/9 + 99 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7134 &:= (1+1) \times (111 + ((1+1) \times ((1+11)^{1+1+1}))) \\
&:= (2^{2+2} \times (2 \times 222 + 2)) - 2 \\
&:= 3 + ((33 \times (3+3)^3) + 3) \\
&:= (4 \times ((4 \times 444 + 4) + 4)) - (4+4)/4 \\
&:= (55 \times (5 \times 5 \times 5 + 5)) - (55/5 + 5) \\
&:= 6 + (6 \times (66 \times (6+6+6))) \\
&:= 7/7 + (((77+7)^{(7+7)/7}) + 77) \\
&:= 8 + ((88+88)/8 + 8 \times 888) \\
&:= 9 + (99 \times (9 \times 9 - 9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7139 &:= 11 \times 11 \times ((11^{1+1} - 1)/(1+1) - 1) \\
&:= 22/2 + (22 \times ((2^{2+2} + 2)^2)) \\
&:= 33/3 + (33 \times (3+3)^3) \\
&:= 4 + ((4 \times ((4 \times 444 + 4) + 4)) - 4/4) \\
&:= 55/5 \times ((5^5 - 5)/5 + 5 \times 5) \\
&:= 66/6 + (6 \times (66 \times (6+6+6))) \\
&:= 77/7 \times (777 - ((7+7)/7)^7) \\
&:= 8 + (((8 \times 888 + (88/8)) + 8) + 8) \\
&:= 99/9 + 99 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7130 &:= (1+1) \times 11 \times ((1+1) \times (11-1-1))^{1+1} + 1 + 1 \\
&:= 2 + (22 \times ((2^{2+2} + 2)^2)) \\
&:= 3 + ((33 \times (3+3)^3) - 3/3) \\
&:= (44-4)/4 + (4 \times (4 \times 444 + 4)) \\
&:= 5 + (5 \times (5 \times ((5 \times 55 + 5) + 5))) \\
&:= (6+6)/6 + (6 \times (66 \times (6+6+6))) \\
&:= 77 + (((77+7)^{(7+7)/7}) - ((7+7+7)/7)) \\
&:= 8 + (((8 \times 888 + ((8+8)/8)) + 8) + 8) \\
&:= (9+9)/9 + 99 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7135 &:= (1 + ((1+1)^{11} + (11 \times 1111)))/(1+1) \\
&:= (2^{2+2} \times (2 \times 222 + 2)) - 2/2 \\
&:= 3 + (((33 \times (3+3)^3) + 3/3) + 3) \\
&:= (4 \times ((4 \times 444 + 4) + 4)) - 4/4 \\
&:= 5 + ((5 \times (5 \times ((5 \times 55 + 5) + 5))) + 5) \\
&:= 6 + ((6 \times (66 \times (6+6+6))) + 6/6) \\
&:= ((7+7)/7)^7 + (77 \times (77+7+7)) \\
&:= 8 + (((8 \times 888 - 8/8) + 8) + 8) + 8) \\
&:= 9 + (99 \times (9 \times 9 - 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7140 &:= (1+11) \times (111 + ((1+11)^{1+1})) \\
&:= 2 + ((2^{2+2} \times (2 \times 222 + 2)) + 2) \\
&:= 3 + ((33 \times (3+3)^3) + 3 \times 3) \\
&:= 4 + (4 \times ((4 \times 444 + 4) + 4)) \\
&:= (55 \times (5 \times 5 \times 5 + 5)) - 5 - 5 \\
&:= 6 + ((6 \times (66 \times (6+6+6))) + 6) \\
&:= (77+7) \times (7/7 + 77 + 7) \\
&:= 8 \times 888 + ((8 \times 8 + 8)/((8+8)/8)) \\
&:= (99+9)/9 + 99 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7131 &:= (1+1) \times 11 \times ((1+1) \times (11-1-1))^{1+1} + 1 + 1 + 1 \\
&:= 2 + ((22 \times ((2^{2+2} + 2)^2)) + 2/2) \\
&:= 3 + (33 \times (3+3)^3) \\
&:= 4^4 + (44/4 \times (4/4 + 4)^4) \\
&:= 5 + ((5 \times (5 \times ((5 \times 55 + 5) + 5))) + 5/5) \\
&:= (6 \times 6/(6+6)) + (6 \times (66 \times (6+6+6))) \\
&:= 77 + (((77+7)^{(7+7)/7}) - ((7+7)/7)) \\
&:= 8 + ((8 \times 888 + (88/8)) + 8) \\
&:= ((9+9+9)/9) + 99 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7136 &:= ((11 \times (1+1+1)) - 1) \times (1 + (1+1) \times 111) \\
&:= 2^{2+2} \times (2 \times 222 + 2) \\
&:= 3 \times 3 + ((33 \times (3+3)^3) - 3/3) \\
&:= 4 \times ((4 \times 444 + 4) + 4) \\
&:= 55/5 + (5 \times (5 \times ((5 \times 55 + 5) + 5))) \\
&:= 6 + ((6 \times (66 \times (6+6+6))) + ((6+6)/6)) \\
&:= (7 \times (7 \times 7 \times (7+7+7) - 7)) - (77/7 + 7) \\
&:= 8 + (((8 \times 888 + 8) + 8) + 8) \\
&:= 9 + (99 \times (9 \times 9 - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7141 &:= 1 + ((1+11) \times (111 + ((1+11)^{1+1}))) \\
&:= 2 + ((22 \times ((2^{2+2} + 2)^2)) + 22/2) \\
&:= 3 + (((33 \times (3+3)^3) + 3 \times 3) + 3/3) \\
&:= 4 + ((4 \times ((4 \times 444 + 4) + 4)) + 4/4) \\
&:= (5/5 + 5)^5 - (5^5/5 + 5 + 5) \\
&:= 6 + (((6 \times (66 \times (6+6+6))) + 6/6) + 6) \\
&:= 7/7 + ((77+7) \times (7/7 + 77 + 7)) \\
&:= 8 \times 888 + 888/(8+8+8) \\
&:= 99 \times (9 \times 9 - 9) + ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7132 &:= (1+1) \times (1+1+11 \times ((1+1) \times (11-1-1))^{1+1}) \\
&:= 2 + ((22 \times ((2^{2+2} + 2)^2)) + 2) \\
&:= 3 + ((33 \times (3+3)^3) + 3/3) \\
&:= 44 + (4 \times (4 \times 444 - 4)) \\
&:= 5 + ((5 \times (5 \times ((5 \times 55 + 5) + 5))) + ((5+5)/5)) \\
&:= 6 + ((6 \times (66 \times (6+6+6))) - ((6+6)/6)) \\
&:= 77 + (((77+7)^{(7+7)/7}) - 7/7) \\
&:= 8 + ((8 \times 888 + ((88+8)/8)) + 8) \\
&:= 99 \times (9 \times 9 - 9) + ((9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7137 &:= 1 + (((11 \times (1+1+1)) - 1) \times (1 + (1+1) \times 111)) \\
&:= 2/2 + (2^{2+2} \times (2 \times 222 + 2)) \\
&:= 3 \times 3 + (33 \times (3+3)^3) \\
&:= 4/4 + (4 \times ((4 \times 444 + 4) + 4)) \\
&:= ((5-5^5)/5) + ((5/5+5)^5 - (5+5+5)) \\
&:= (666/6+6) \times (66-6+6/6) \\
&:= 77/7 + ((7 \times 7 \times 7 \times (7+7+7)) - 77) \\
&:= 8 \times (8 \times 8 + 8) + (88/8 - 8)^8 \\
&:= 9 + 99 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7142 &:= 1 + (1 + ((1+11) \times (111 + ((1+11)^{1+1})))) \\
&:= (2 \times (2 \times ((2 \times 22 - 2)^2 + 22))) - 2 \\
&:= 3 + ((33 \times (3+3)^3) + 33/3) \\
&:= 4 + ((4 \times ((4 \times 444 + 4) + 4)) + (4+4)/4) \\
&:= ((5-5^5)/5) + ((5/5+5)^5 - (5+5)) \\
&:= 6 + (((6 \times (66 \times (6+6+6))) + ((6+6)/6)) + 6) \\
&:= 7 + ((77 \times (77+7+7)) + ((7+7)/7)^7) \\
&:= ((8/8+8 \times 8) \times (888-8)/8) - 8 \\
&:= 9 + (99 \times (9 \times 9 - 9) + ((9 \times 9 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7143 &:= (1+1+1) \times ((1+1)^{11} + (1+1+1) \times 111) \\
&:= (2 \times (2 \times ((2 \times 22 - 2)^2 + 22))) - 2/2 \\
&:= 3 + (((33 \times (3+3)^3) + 3 \times 3) + 3) \\
&:= 44 + (4 \times 4 \times 444) - (4/4 + 4) \\
&:= (55 \times (5 \times 5 \times 5 + 5)) - ((5+5)/5 + 5) \\
&:= 6 + ((666/6 + 6) \times (66 - 6 + 6/6)) \\
&:= (7 \times (7 \times 7 \times (7+7+7) - 7)) - 77/7 \\
&:= 888/8 + (8 \times (888 - 8) - 8) \\
&:= 9 + ((99 \times (9 \times 9 - 9) - ((9+9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7144 &:= (11-1)^{1+1+1} + ((1+1+1) \times (1+1)^{11}) \\
&:= 2 \times (2 \times ((2 \times 22 - 2)^2 + 22)) \\
&:= 3^3 + ((33 \times (3+3)^3) - 33/3) \\
&:= 44 + (4 \times 4 \times 444) - 4 \\
&:= (55 \times (5 \times 5 \times 5 + 5)) - (5/5 + 5) \\
&:= ((6/6 - 66) \times ((6 - 666)/6)) - 6 \\
&:= 77 + (((77+7)^{(7+7)/7}) + (77/7)) \\
&:= 8 \times (888 + 8) - 8 - 8 - 8 \\
&:= (9 - 9/9) \times (((9+9)/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7145 &:= (1 + (((11^{1+1} - 1)^{1+1}) - 111)) / (1 + 1) \\
&:= 2/2 + (2 \times (2 \times ((2 \times 22 - 2)^2 + 22))) \\
&:= 3 + (((33 \times (3+3)^3) + 33/3) + 3) \\
&:= 44 + (4 \times 4 \times 444) - 4 + 4/4 \\
&:= (55 \times (5 \times 5 \times 5 + 5)) - 5 \\
&:= 6 + ((6 \times (66 \times (6+6+6))) + (66/6)) \\
&:= (7 \times (7 \times 7 \times (7+7+7) - 7)) - ((7+7)/7 + 7) \\
&:= 8 + ((88/8 - 8)^8 + 8 \times (8 \times 8 + 8)) \\
&:= 9 + ((99 \times (9 \times 9 - 9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7146 &:= 1 + ((1 + (((11^{1+1} - 1)^{1+1}) - 111)) / (1 + 1)) \\
&:= 2 + (2 \times (2 \times ((2 \times 22 - 2)^2 + 22))) \\
&:= (3+3) \times ((33 \times (33+3)) + 3) \\
&:= 44 + (4 \times 4 \times 444) - (4+4)/4 \\
&:= (5/5 + 5)^5 - (5^5/5 + 5) \\
&:= (6+6+6) \times (6 \times 66 + 6/6) \\
&:= (7 \times (7 \times 7 \times (7+7+7) - 7)) - (7/7 + 7) \\
&:= 8 \times (888 + 8) - (88 + 88)/8 \\
&:= 9 + (99 \times (9 \times 9 - 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7147 &:= 11 + (((11 \times (1+1+1)) - 1) \times (1 + (1+1) \times 111)) \\
&:= 22/2 + (2^{2+2} \times (2 \times 222 + 2)) \\
&:= 3/3 + ((33 \times (3+3)^3) + (3 \times (3+3))) \\
&:= 44 + (4 \times 4 \times 444) - 4/4 \\
&:= ((5 - 5^5)/5) + ((5/5 + 5)^5 - 5) \\
&:= 6/6 + ((6+6+6) \times (6 \times 66 + 6/6)) \\
&:= (7 \times (7 \times 7 \times (7+7+7) - 7)) - 7 \\
&:= 8 + (((8 \times 888 + (88/8)) + 8) + 8) + 8 \\
&:= 9 + ((99 \times (9 \times 9 - 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7148 &:= (1+1) \times (11 \times (1 + ((1+1) \times (11-1-1))^{1+1}) - 1) \\
&:= 2 \times ((2^{2+2} \times 222) + 22) \\
&:= 3 \times 3 + ((33 \times (3+3)^3) + 33/3) \\
&:= 44 + (4 \times 4 \times 444) \\
&:= (55 \times (5 \times 5 \times 5 + 5)) - (5+5)/5 \\
&:= (6+6)/6 + ((6+6+6) \times (6 \times 66 + 6/6)) \\
&:= 7/7 + ((7 \times (7 \times 7 \times (7+7+7) - 7)) - 7) \\
&:= 8 \times 888 + (88/((8+8)/8)) \\
&:= 9 + (99 \times (9 \times 9 - 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7149 &:= ((1+1+11) \times ((1111-11)/(1+1))) - 1 \\
&:= 22 + ((22 \times ((2^{2+2} + 2)^2)) - 2/2) \\
&:= 3 + ((33 \times (3+3)^3) + (3 \times (3+3))) \\
&:= 44 + (4 \times 4 \times 444) + 4/4 \\
&:= (55 \times (5 \times 5 \times 5 + 5)) - 5/5 \\
&:= ((66 - 6/6) \times 666/6) - 66 \\
&:= (7+7)/7 + ((7 \times (7 \times 7 \times (7+7+7) - 7)) - 7) \\
&:= 8 \times (888 + 8) - (88/8 + 8) \\
&:= 9 + (99 \times (9 \times 9 - 9) + (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7150 &:= (1+1+11) \times ((1111-11)/(1+1)) \\
&:= 22 + (22 \times ((2^{2+2} + 2)^2)) \\
&:= 33 + ((33 \times (3+3)^3) - 33/3) \\
&:= (4^4 + 4)/4 \times (444 - 4)/4 \\
&:= 55 \times (5 \times 5 \times 5 + 5) \\
&:= (6/6 - 66) \times ((6 - 666)/6) \\
&:= 77/7 \times (777/7 + 7 \times 77) \\
&:= (8/8 + 8 \times 8) \times (888 - 8)/8 \\
&:= 99/9 \times (9 \times (9 \times 9 - 9) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7151 &:= 1 + ((1 + (1+1+11) \times ((1111-11)/(1+1))) \\
&:= 22 + ((22 \times ((2^{2+2} + 2)^2)) + 2/2) \\
&:= 3^3 + ((33 \times (3+3)^3) - (3/3 + 3)) \\
&:= (4 \times ((4 \times (444 + 4)) - 4)) - 4/4 \\
&:= (5/5 + 5)^5 - 5^5/5 \\
&:= 6 + (((6 \times (66 \times (6+6+6))) + (66/6)) + 6) \\
&:= 77/7 + ((77+7) \times (7/7 + 77 + 7)) \\
&:= 888/8 + (8 \times (888 - 8)) \\
&:= 99 \times (9 \times 9 - 9) + (99 + 99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7152 &:= (1+11) \times (1 + (111 + ((11+11)^{1+1}))) \\
&:= 2 + ((22 \times ((2^{2+2} + 2)^2)) + 22) \\
&:= 3^3 + ((33 \times (3+3)^3) - 3) \\
&:= 4 \times ((4 \times (444 + 4)) - 4) \\
&:= ((5 - 5^5)/5) + (5/5 + 5)^5 \\
&:= 6 + ((6+6+6) \times (6 \times 66 + 6/6)) \\
&:= (7 \times (7 \times 7 \times (7+7+7) - 7)) - (7+7)/7 \\
&:= 8 \times (888 + 8) - 8 - 8 \\
&:= (9 - 9/9) \times (((9+9+9)/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7153 &:= (1+1+1+11) \times ((1+1)^{11-1-1} - 1) - 1 \\
&:= ((2 \times 2 \times 22 - 2)^2) - (22^2 + 2)/2 \\
&:= 3^3 + (((33 \times (3+3)^3) - 3) + 3/3) \\
&:= 4/4 + (4 \times ((4 \times (444 + 4)) - 4)) \\
&:= (5/5 + 5)^5 + (((5 - 5^5) + 5)/5) \\
&:= (6 \times ((66 \times (6+6+6)) + 6)) - 66/6 \\
&:= (7 \times (7 \times 7 \times (7+7+7) - 7)) - 7/7 \\
&:= 8/8 + (8 \times (888 + 8) - (8+8)) \\
&:= 9 + ((9 - 9/9) \times (((9+9)/9) + 9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7154 &:= (1 + (1+1+11)) \times ((1+1)^{11-1-1} - 1) \\
&:= ((2 \times 2 \times 22 - 2)^2) - 22^2/2 \\
&:= 3^3 + ((33 \times (3+3)^3) - 3/3) \\
&:= 4 + ((4^4 + 4)/4 \times (444 - 4)/4) \\
&:= 5 + ((55 \times (5 \times 5 \times 5 + 5)) - 5/5) \\
&:= (6 - 66)/6 + (6 \times ((66 \times (6+6+6)) + 6)) \\
&:= 7 \times (7 \times 7 \times (7+7+7) - 7) \\
&:= (8+8)/8 + (8 \times (888 + 8) - (8+8)) \\
&:= (((9+9)/9)^9) + 9 \times (9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7155 &:= 1 + (1+1+1+11) \times ((1+1)^{11-1-1} - 1) \\
&:= ((2 - 22^2)/2) + ((2 \times 2 \times 22 - 2)^2) \\
&:= 3^3 + (33 \times (3+3)^3) \\
&:= 4 + ((4 \times ((4 \times (444 + 4)) - 4)) - 4/4) \\
&:= 5 + (55 \times (5 \times 5 \times 5 + 5)) \\
&:= 6 + (((66 - 6/6) \times 666/6) - 66) \\
&:= 7/7 + (7 \times (7 \times 7 \times (7+7+7) - 7)) \\
&:= 8 \times (888 + 8) - (88 + 8 + 8)/8 \\
&:= 9 + ((99 \times (9 \times 9 - 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7156 &:= 1 + (1 + (1+1+1+11)) \times ((1+1)^{11-1-1} - 1) \\
&:= 2 \times (((2^{2+2} + 2 \times 22)^2) - 22) \\
&:= 3^3 + ((33 \times (3+3)^3) + 3/3) \\
&:= 4 + (4 \times ((4 \times (444 + 4)) - 4)) \\
&:= 5 + ((5/5 + 5)^5 - 5^5/5) \\
&:= 6 + ((6/6 - 66) \times ((6 - 666)/6)) \\
&:= (7+7)/7 + (7 \times (7 \times 7 \times (7+7+7) - 7)) \\
&:= 8 \times (888 + 8) - (88 + 8)/8 \\
&:= 9 + (((99 \times (9 \times 9 - 9) + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7157 &:= ((1+1)^{1+1+11}) - (11 + (1+1)^{11-1}) \\
&:= (2 \times (2^{2+2} \times (222 + 2))) - 22/2 \\
&:= 3 + (((33 \times (3+3)^3) - 3/3) + 3^3) \\
&:= (4 \times (4 \times (444 + 4))) - 44/4 \\
&:= 5 + (((5 - 5^5)/5) + (5/5 + 5)^5) \\
&:= (6 \times ((66 \times (6+6+6)) + 6)) - 6/6 - 6 \\
&:= ((7 \times 7 + 7) \times ((7+7)/7)^7) - 77/7 \\
&:= 8 \times (888 + 8) - 88/8 \\
&:= 9 + ((99 \times (9 \times 9 - 9) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7158 &:= 1 + (((1+1)^{1+1+11}) - (11 + (1+1)^{11-1})) \\
&:= 22 + (2^{2+2} \times (2 \times 222 + 2)) \\
&:= 3 + ((33 \times (3+3)^3) + 3^3) \\
&:= (4 - 44)/4 + (4 \times (4 \times (444 + 4))) \\
&:= 5 + (((5 - 5^5) + 5)/5) + (5/5 + 5)^5 \\
&:= (6 \times ((66 \times (6+6+6)) + 6)) - 6 \\
&:= 77/7 + ((7 \times (7 \times 7 \times (7+7+7) - 7)) - 7) \\
&:= (8 - 88)/8 + 8 \times (888 + 8) \\
&:= 9 + ((99 \times (9 \times 9 - 9) + (99+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7159 &:= 1111 + (((111 - 1)^{1+1})/(1+1)) - (1+1) \\
&:= 2 + ((2 \times (2^{2+2} \times (222 + 2))) - 22/2) \\
&:= 3 + (((33 \times (3+3)^3) + 3^3) + 3/3) \\
&:= 44 + (4 \times 4 \times 444) + 44/4 \\
&:= 5 + (((55 \times (5 \times 5 \times 5 + 5)) - 5/5) + 5) \\
&:= 6/6 + ((6 \times ((66 \times (6+6+6)) + 6)) - 6) \\
&:= 7 + ((7 \times (7 \times 7 \times (7+7+7) - 7)) - ((7+7)/7)) \\
&:= 8 \times (888 + 8) - (8/8 + 8) \\
&:= 9 + (99 \times (9 \times 9 - 9) + ((99+99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7160 &:= (11 - 1) \times ((1+1)^{11} - 1 - 11^{1+1+1}) \\
&:= 2 \times (2 \times (2 \times (2 \times (222 + 2)))) - 2) \\
&:= 33 + ((33 \times (3+3)^3) - 3/3) \\
&:= (4 \times (4 \times (444 + 4))) - 4 - 4 \\
&:= 5 + ((55 \times (5 \times 5 \times 5 + 5)) + 5) \\
&:= (6+6)/6 + ((6 \times ((66 \times (6+6+6)) + 6)) - 6) \\
&:= 7 + ((7 \times (7 \times 7 \times (7+7+7) - 7)) - 7/7) \\
&:= 8 \times (888 + 8) - 8 \\
&:= (9 - 9/9) \times (((9 \times 9 - 9)/(9+9)) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7161 &:= 1111 + (((111 - 1)^{1+1})/(1+1)) \\
&:= 22/2 \times (((2+2+2)^{2+2} + 2)/2) + 2) \\
&:= 33 + (33 \times (3+3)^3) \\
&:= ((4 - 4/4) + 4) \times (4 \times 4^4 - 4/4) \\
&:= 5 + (((5/5 + 5)^5 - 5^5/5) + 5) \\
&:= (66 \times 6/(6+6)) \times (6 \times 6 \times 6 + 6/6) \\
&:= 7 + (7 \times (7 \times 7 \times (7+7+7) - 7)) \\
&:= 8/8 + (8 \times (888 + 8) - 8) \\
&:= 9 + ((9 - 9/9) \times (((9+9+9)/9) + 9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7162 &:= 1 + (1111 + (((111 - 1)^{1+1})/(1+1))) \\
&:= (2 \times ((2^{2+2} \times (222 + 2)) - 2)) - 2 \\
&:= 3/3 + ((33 \times (3+3)^3) + 33) \\
&:= (4 \times (4 \times (444 + 4))) - ((4+4)/4 + 4) \\
&:= (5/5 + 5)^5 + ((55 - 5^5)/5) \\
&:= (6 \times ((66 \times (6+6+6)) + 6)) - (6+6)/6 \\
&:= 7 + ((7 \times (7 \times 7 \times (7+7+7) - 7)) + 7/7) \\
&:= (8+8)/8 + (8 \times (888 + 8) - 8) \\
&:= 9 + (((9 - 9/9) \times (((9+9)/9) + 9 \times 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7163 &:= (1 + 1 + 11) \times (1 + ((1111 - 11)/(1+1))) \\
&:= (22/2 + 2) \times (((22 + 2/2)^2) + 22) \\
&:= (33/3)^3 + (3 \times (3+3))^3 \\
&:= (4 \times (4 \times (444 + 4))) - 4/4 - 4 \\
&:= (((5+5)/5 + 5) \times (5 - 5/5)^5) - 5 \\
&:= (6 \times ((66 \times (6+6+6)) + 6)) - 6/6 \\
&:= 7 + ((7 \times (7 \times 7 \times (7+7+7) - 7)) + ((7+7)/7)) \\
&:= 88/8 + (8 \times (888 + 8) - (8+8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 9) + ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7164 &:= 1 + ((1 + 1 + 11) \times (1 + ((1111 - 11)/(1+1)))) \\
&:= 2 \times (2^{2+2} \times (222 + 2)) - 2) \\
&:= 3 + ((33 \times (3+3)^3) + 33) \\
&:= (4 \times (4 \times (444 + 4))) - 4 \\
&:= 5 + (((55 \times (5 \times 5 \times 5 + 5)) - 5/5) + 5) + 5) \\
&:= 6 \times ((66 \times (6+6+6)) + 6) \\
&:= 7 + (((7 \times 7 + 7) \times ((7+7)/7)^7) - (77/7)) \\
&:= 8 \times (888 + 8) - 8 \times 8/(8+8) \\
&:= 9 + (((99 \times (9 \times 9 - 9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7165 &:= (1+1)^{11-1} + ((1+1+1) \times ((1+1)^{11} - 1)) \\
&:= 2/2 + (2 \times ((2^{2+2} \times (222 + 2)) - 2)) \\
&:= 3 + (((33 \times (3+3)^3) + 33) + 3/3) \\
&:= 4/4 + ((4 \times (4 \times (444 + 4))) - 4) \\
&:= 5 + (((55 \times (5 \times 5 \times 5 + 5)) + 5) + 5) \\
&:= 6/6 + (6 \times ((66 \times (6+6+6)) + 6)) \\
&:= 77/7 + (7 \times (7 \times 7 \times (7+7+7) - 7)) \\
&:= 8 + (8 \times (888 + 8) - (88/8)) \\
&:= 9 + (((99 \times (9 \times 9 - 9) + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7166 &:= (1+1) \times (((1+111) \times ((11 \times (1+1+1)) - 1)) - 1) \\
&:= (2 \times (2^{2+2} \times (222 + 2))) - 2 \\
&:= 3 + ((33/3)^3 + (3 \times (3+3))^3) \\
&:= (4 \times (4 \times (444 + 4))) - (4+4)/4 \\
&:= (5/5 + 5)^5 - (555 + 55) \\
&:= (6+6)/6 + (6 \times ((66 \times (6+6+6)) + 6)) \\
&:= ((7 \times 7 + 7) \times ((7+7)/7)^7) - (7+7)/7 \\
&:= 8 \times (888 + 8) - (8+8)/8 \\
&:= 9 + (((99 \times (9 \times 9 - 9) + (99/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7167 &:= ((1+1)^{1+1+11}) - (1 + (1+1)^{11-1}) \\
&:= 222/2 + ((2 \times ((2 \times 22) - 2))^2) \\
&:= 3 + (((33 \times (3+3)^3) + 33) + 3) \\
&:= (4 \times (4 \times (444 + 4))) - 4/4 \\
&:= 5 + (((55 - 5^5)/5) + (5/5 + 5)^5) \\
&:= 6 + ((66 \times 6/(6+6)) \times (6 \times 6 \times 6 + 6/6)) \\
&:= ((7 \times 7 + 7) \times ((7+7)/7)^7) - 7/7 \\
&:= 8 \times (888 + 8) - 8/8 \\
&:= 999/9 + (9 - 9/9) \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7168 &:= (1 + 111) \times ((1+1)^{(1+1) \times (1+1+1)}) \\
&:= 2 \times (2^{2+2} \times (222 + 2)) \\
&:= (33/3 + 3) \times ((3 - 3/3)^{3 \times 3}) \\
&:= 4 \times (4 \times (444 + 4)) \\
&:= ((5+5)/5 + 5) \times (5 - 5/5)^5 \\
&:= ((6+6)/6)^6 \times (666 + 6)/6 \\
&:= (7 \times 7 + 7) \times ((7+7)/7)^7 \\
&:= 8 \times (888 + 8) \\
&:= (9 - (9+9)/9) \times (((9+9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7169 &:= 1 + ((1 + 111) \times ((1+1)^{(1+1) \times (1+1+1)})) \\
&:= 2/2 + (2 \times (2^{2+2} \times (222 + 2))) \\
&:= 3 + (((33/3)^3 + (3 \times (3+3))^3) + 3) \\
&:= 4/4 + (4 \times (4 \times (444 + 4))) \\
&:= 5/5 + (((5+5)/5 + 5) \times (5 - 5/5)^5) \\
&:= 6 + ((6 \times ((66 \times (6+6+6)) + 6)) - 6/6) \\
&:= 7/7 + ((7 \times 7 + 7) \times ((7+7)/7)^7) \\
&:= 8/8 + 8 \times (888 + 8) \\
&:= 99 \times (9 \times 9 - 9) + ((9 \times 9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7170 &:= (11 - 1) \times ((1+1)^{11} - 11^{1+1+1}) \\
&:= 2 + (2 \times (2^{2+2} \times (222 + 2))) \\
&:= 3 \times 3 + ((33 \times (3+3)^3) + 33) \\
&:= (4+4)/4 + (4 \times (4 \times (444 + 4))) \\
&:= 5 \times 5 + ((55 \times (5 \times 5 \times 5 + 5)) - 5) \\
&:= 6 + (6 \times ((66 \times (6+6+6)) + 6)) \\
&:= (7+7)/7 + ((7 \times 7 + 7) \times ((7+7)/7)^7) \\
&:= (8+8)/8 + 8 \times (888 + 8) \\
&:= (9/9 + 9) \times (9 \times 9 \times 9 - (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7171 &:= 1 + ((11 - 1) \times ((1+1)^{11} - 11^{1+1+1})) \\
&:= (22 \times (((2^{2+2} + 2)^2) + 2)) - 2/2 \\
&:= 3 + ((33/3 + 3) \times ((3 - 3/3)^{3 \times 3})) \\
&:= 4 + ((4 \times (4 \times (444 + 4))) - 4/4) \\
&:= (5/5 + 5)^5 - (55 \times (55/5)) \\
&:= 6 + ((6 \times ((66 \times (6+6+6)) + 6)) + 6/6) \\
&:= (7+7+7)/7 + ((7 \times 7 + 7) \times ((7+7)/7)^7) \\
&:= 88/8 + (8 \times (888 + 8) - 8) \\
&:= (9 \times 9 - (9/9 + 9)) \times ((9+9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7172 &:= (1+1) \times (11 \times ((1+1+1) \times (111 - 1 - 1) - 1)) \\
&:= 22 \times (((2^{2+2} + 2)^2) + 2) \\
&:= 3 \times 3 + ((33/3)^3 + (3 \times (3+3))^3) \\
&:= 4 + (4 \times (4 \times (444 + 4))) \\
&:= 55/5 \times ((5^5 + 5 + 5)/5 + 5 \times 5) \\
&:= 6 + ((6 \times ((66 \times (6+6+6)) + 6)) + ((6+6)/6)) \\
&:= 7 + ((7 \times (7 \times 7 \times (7+7+7) - 7)) + (77/7)) \\
&:= 8 \times 8/(8+8) + 8 \times (888 + 8) \\
&:= 99 + (9 \times 9 \times 9 \times 9 + ((9+9)/9)^9)
\end{aligned}$$

- **7173** := $1 + ((1 + 1) \times (11 \times ((1 + 1 + 1) \times (111 - 1 - 1) - 1)))$
:= $2/2 + (22 \times (((2^{2+2} + 2)^2) + 2))$
:= $3 + (((33 \times (3 + 3)^3) + 33) + 3 \times 3)$
:= $4 + ((4 \times (4 \times (444 + 4))) + 4/4)$
:= $5 + (((5 + 5)/5 + 5) \times (5 - 5/5)^5)$
:= $6 \times 66 + (666/6 + 6666)$
:= $7 + (((7 \times 7 + 7) \times ((7 + 7)/7)^7) - ((7 + 7)/7))$
:= $8 + ((8 \times (888 + 8) - (88/8)) + 8)$
:= $9 \times 9 \times (9 \times 9 + 9) - (99 + 9 + 9)$
- **7174** := $(1 + 11 \times (1 + 1 + 1)) \times ((1 + 1) \times 111 - 11)$
:= $2 + (22 \times (((2^{2+2} + 2)^2) + 2))$
:= $3 + (((33/3 + 3) \times ((3 - 3/3)^{3 \times 3})) + 3)$
:= $4 + ((4 \times (4 \times (444 + 4))) + (4 + 4)/4)$
:= $5 \times 5 + ((55 \times (5 \times 5 \times 5 + 5)) - 5/5)$
:= $6 + (((6 + 6)/6)^6 \times (666 + 6)/6)$
:= $7 + (((7 \times 7 + 7) \times ((7 + 7)/7)^7) - 7/7)$
:= $8 + (8 \times (888 + 8) - ((8 + 8)/8))$
:= $9/9 + (9 \times 9 \times (9 \times 9 + 9) - (99 + 9 + 9))$
- **7175** := $(1 + (1 + 1)^{11-1}) \times (1 + ((1 + 1) \times (1 + 1 + 1)))$
:= $2 + (22 \times (((2^{2+2} + 2)^2) + 2)) + 2/2$
:= $3 + (((33/3)^3 + (3 \times (3 + 3)^3) + 3 \times 3)$
:= $((4 - 4/4) + 4) \times (4 \times 4^4 + 4/4)$
:= $5 \times (5 \times 5 \times 55 + 55) + 5$
:= $66/6 + (6 \times ((66 \times (6 + 6 + 6)) + 6))$
:= $7 + ((7 \times 7 + 7) \times ((7 + 7)/7)^7)$
:= $8 + (8 \times (888 + 8) - 8/8)$
:= $((9 - 9/9) \times ((9 \times 99 - ((9 + 9)/9)) + 9)) - 9$
- **7176** := $1 + ((1 + (1 + 1)^{11-1}) \times (1 + ((1 + 1) \times (1 + 1 + 1))))$
:= $2 + (22 \times (((2^{2+2} + 2)^2) + 2)) + 2$
:= $3 \times (((3/3 + 3 + 3)^{3/3+3}) - 3 \times 3)$
:= $4 + ((4 \times (4 \times (444 + 4))) + 4)$
:= $5 \times 5 + ((5/5 + 5)^5 - 5^5/5)$
:= $6 + ((6 \times ((66 \times (6 + 6 + 6)) + 6)) + 6)$
:= $7 + (((7 \times 7 + 7) \times ((7 + 7)/7)^7) + 7/7)$
:= $8 + 8 \times (888 + 8)$
:= $(9 - 9/9) \times ((9 \times 99 - ((9 + 9 + 9)/9)) + 9)$
- **7177** := $1 + (1 + ((1 + (1 + 1)^{11-1}) \times (1 + ((1 + 1) \times (1 + 1 + 1))))$
:= $(22/2)^2 + ((2 \times ((2 \times 22) - 2))^2)$
:= $3 \times 3 + (((33/3 + 3) \times ((3 - 3/3)^{3 \times 3}))$
:= $4 + (((4 \times (4 \times (444 + 4))) + 4/4) + 4)$
:= $5 \times 5 + (((5 - 5^5)/5) + (5/5 + 5)^5)$
:= $6 + (((6 \times ((66 \times (6 + 6 + 6)) + 6)) + 6/6) + 6)$
:= $7 + (((7 \times 7 + 7) \times ((7 + 7)/7)^7) + ((7 + 7)/7))$
:= $8 + (8 \times (888 + 8) + 8/8)$
:= $9 + ((9 - (9 + 9)/9) \times (((9 + 9)/9)^{9/9+9}))$
- **7178** := $(1 + 1) \times (((11^{1+1} - 1)/(1 + 1))^{1+1} - 11)$
:= $(2 \times ((2^{2+2} + 2 \times 22)^2) - 22$
:= $3 + (((33/3)^3 + (3 \times (3 + 3)^3) + 3 \times 3) + 3)$
:= $(44 - 4)/4 + (4 \times (4 \times (444 + 4)))$
:= $5 + (((5 + 5)/5 + 5) \times (5 - 5/5)^5) + 5$
:= $6 + (((6 \times ((66 \times (6 + 6 + 6)) + 6)) + ((6 + 6)/6)) + 6)$
:= $((77 - 7)/7) + ((7 \times 7 + 7) \times ((7 + 7)/7)^7)$
:= $8 + (8 \times (888 + 8) + ((8 + 8)/8))$
:= $9 \times 9 \times (9 \times 9 + 9) - ((999 + 9)/9)$
- **7179** := $11 + ((1 + 111) \times ((1 + 1)^{(1+1) \times (1+1+1)}))$
:= $2 + (((2 \times ((2 \times 22) - 2))^2) + (22/2)^2)$
:= $3^3 + (((33 \times (3 + 3)^3) - 3) + 3^3)$
:= $44/4 + (4 \times (4 \times (444 + 4)))$
:= $5 + (((55 \times (5 \times 5 \times 5 + 5)) - 5/5) + 5 \times 5)$
:= $((66 - 6/6) \times 666/6) - 6 \times 6$
:= $77/7 + ((7 \times 7 + 7) \times ((7 + 7)/7)^7)$
:= $88/8 + 8 \times (888 + 8)$
:= $9 \times 9 \times (9 \times 9 + 9) - 999/9$
- **7180** := $(11 - 1) \times ((11 - 1 - 1)^{1+1+1} - 11)$
:= $(2 - 22) \times (2 - ((22 - (2/2 + 2))^2))$
:= $(3 \times 3 + 3/3) \times (3^{3+3} - 33/3)$
:= $(4 \times ((4 \times (444 + 4)) + 4)) - 4$
:= $5 + ((55 \times (5 \times 5 \times 5 + 5)) + 5 \times 5)$
:= $6 + (((6 + 6)/6)^6 \times (666 + 6)/6) + 6$
:= $(77 + 7)/7 + ((7 \times 7 + 7) \times ((7 + 7)/7)^7)$
:= $((88 + 8)/8) + 8 \times (888 + 8)$
:= $(9/9 + 9) \times (9 \times 9 \times 9 - (99/9))$
- **7181** := $1 + ((11 - 1) \times ((11 - 1 - 1)^{1+1+1} - 11))$
:= $((2 \times 22) - 2/2) \times (((22/2 + 2)^2) - 2)$
:= $3^3 + (((33 \times (3 + 3)^3) - 3/3) + 3^3)$
:= $4/4 + ((4 \times ((4 \times (444 + 4)) + 4)) - 4)$
:= $5 + (((5/5 + 5)^5 - 5^5/5) + 5 \times 5)$
:= $6 + ((6 \times ((66 \times (6 + 6 + 6)) + 6)) + (66/6))$
:= $((7 + 7 + 7) \times (7 \times 7 \times 7 - 7/7)) - 7/7$
:= $88 + (8 \times 888 - (88/8))$
:= $9 \times 9 \times (9 \times 9 + 9) - (9/9 + 99 + 9)$
- **7182** := $(1 + (1 + 1 + 11)) \times (1 + (1 + 1)^{11-1-1})$
:= $(2/2 + 2)^2 \times (2 \times (22 - 2)^2 - 2)$
:= $3 \times ((3 \times (3^{3+3} - 3)) + (3 + 3)^3)$
:= $(4/4 + 4)^4 + (((4 - 4/4)^{4+4}) - 4)$
:= $((5 + 5)/5)^5 + (55 \times (5 \times 5 \times 5 + 5))$
:= $6 + (((6 \times ((66 \times (6 + 6 + 6)) + 6)) + 6) + 6) + 6$
:= $(7 + 7 + 7) \times (7 \times 7 \times 7 - 7/7)$
:= $8 + ((8 \times (888 + 8) - ((8 + 8)/8)) + 8)$
:= $9 \times 9 \times (9 \times 9 + 9) - (99 + 9)$
- **7183** := $1 + (1 + 1 + 1 + 11) \times (1 + (1 + 1)^{11-1-1})$
:= $22/2 + (22 \times (((2^{2+2} + 2)^2) + 2))$
:= $3 + ((3 \times 3 + 3/3) \times (3^{3+3} - 33/3))$
:= $(4 \times ((4 \times (444 + 4)) + 4)) - 4/4$
:= $5 + (((5 + 5)/5 + 5) \times (5 - 5/5)^5) + 5 + 5$
:= $66/6 \times (666 - (6/6 + 6 + 6))$
:= $7/7 + ((7 + 7 + 7) \times (7 \times 7 \times 7 - 7/7))$
:= $8 + ((8 \times (888 + 8) - 8/8) + 8)$
:= $9/9 + (9 \times 9 \times (9 \times 9 + 9) - (99 + 9))$
- **7184** := $((1 + 1)^{11} + ((111^{1+1} - 1)/(1 + 1))$
:= $2 \times (2 \times (2 \times ((2 \times (2 \times (222 + 2))) + 2)))$
:= $(33 \times (3 + 3)^3) + ((333 + 3)/(3 + 3))$
:= $4 \times ((4 \times (444 + 4)) + 4)$
:= $(5 - 5/5)^5 + (55 \times (555 + 5)/5)$
:= $66 + ((6 \times (66 \times (6 + 6 + 6))) + ((6 - 66)/6))$
:= $((7 + 7)/7)^7 + ((77 + 7)^{(7+7)/7})$
:= $8 + (8 \times (888 + 8) + 8)$
:= $(9 - 9/9) \times ((9 \times 99 - ((9 + 9)/9)) + 9)$
- **7185** := $(1 + ((1 + 1)^{11} + (111^{1+1}))) / (1 + 1)$
:= $2 + (22 \times (((2^{2+2} + 2)^2) + 2)) + 22/2$
:= $3 + (((33 \times (3 + 3)^3) + 3^3) + 3^3)$
:= $4/4 + (4 \times ((4 \times (444 + 4)) + 4))$
:= $5 + (((55 \times (5 \times 5 \times 5 + 5)) + 5 \times 5) + 5)$
:= $6 + (((66 - 6/6) \times 666/6) - 6 \times 6)$
:= $(7 \times 7 \times 7 \times (7 + 7 + 7)) - (77/7 + 7)$
:= $8 + ((8 \times (888 + 8) + 8/8) + 8)$
:= $9 + ((9 - 9/9) \times ((9 \times 99 - ((9 + 9 + 9)/9)) + 9))$
- **7186** := $1 + ((1 + ((1 + 1)^{11} + (111^{1+1}))) / (1 + 1))$
:= $2 + (2 \times (2 \times (2 \times ((2 \times (2 \times (222 + 2))) + 2))))$
:= $333 + (((3 \times (3 + 3)) + 3/3)^3) - (3 + 3)$
:= $(4/4 + 4)^4 + ((4 - 4/4)^{4+4})$
:= $5^5/5 + ((5 - 5/5 + 5)^{5-5/5})$
:= $6 \times 6 + ((6/6 - 66) \times ((6 - 666)/6))$
:= $7 + (((7 \times 7 + 7) \times ((7 + 7)/7)^7) + (77/7))$
:= $8 + ((8 \times (888 + 8) + ((8 + 8)/8)) + 8)$
:= $9 + (((9 - (9 + 9)/9) \times (((9 + 9)/9)^{9/9+9})) + 9)$
- **7187** := $((11^{1+1} - 1)^{1+1}) / (1 + 1) - 1 - 1 - 11$
:= $22 \times 222 + (((2 \times (22 + 2))^2) - 2/2)$
:= $3^3 + (((33 \times (3 + 3)^3) - 3/3) + 33)$
:= $4 + ((4 \times ((4 \times (444 + 4)) + 4)) - 4/4)$
:= $(5^5 - 5) / (5 + 5) + 5 \times 5 \times 5 \times 55$
:= $66 + ((6 \times (66 \times (6 + 6 + 6))) - (6/6 + 6))$
:= $7777 - (7 \times (77 + 7) + ((7 + 7)/7))$
:= $8 + (8 \times (888 + 8) + (88/8))$
:= $9 + (9 \times 9 \times (9 \times 9 + 9) - ((999 + 9)/9))$

$$\begin{aligned}
\blacktriangleright 7188 &:= (((11^{1+1} - 1)^{1+1}) / (1 + 1)) - 1 - 11 \\
&:= 22 \times 222 + ((2 \times (22 + 2))^2) \\
&:= 3^3 + ((33 \times (3 + 3)^3) + 33) \\
&:= 4 + (4 \times ((4 \times (444 + 4)) + 4)) \\
&:= ((55 + 5) / 5) \times ((5^5 - 5) / 5 - 5 \times 5) \\
&:= 66 + ((6 \times (66 \times (6 + 6 + 6))) - 6) \\
&:= 7777 - (7 \times (77 + 7) + 7 / 7) \\
&:= 8 + (8 \times (888 + 8) + ((88 + 8) / 8)) \\
&:= 9 + (9 \times 9 \times (9 \times 9 + 9) - 999 / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7189 &:= (((11^{1+1} - 1)^{1+1}) / (1 + 1)) - 11 \\
&:= (2 \times ((2^{2+2} + 2 \times 22)^2)) - 22 / 2 \\
&:= 333 + (((3 \times (3 + 3)) + 3 / 3)^3) - 3 \\
&:= 4 + ((4 \times ((4 \times (444 + 4)) + 4)) + 4 / 4) \\
&:= ((55 + 5) \times (5 \times 5 \times 5 - 5)) - 55 / 5 \\
&:= ((6 + 6) \times (666 - 66)) - 66 / 6 \\
&:= 7777 - 7 \times (77 + 7) \\
&:= 8 + ((8 \times 888 - (88 / 8)) + 88) \\
&:= 9 + ((9 / 9 + 9) \times (9 \times 9 \times 9 - (99 / 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7190 &:= 1 + (((11^{1+1} - 1)^{1+1}) / (1 + 1)) - 11 \\
&:= 22 + (2 \times (2^{2+2} \times (222 + 2))) \\
&:= 3^3 + ((33 / 3)^3 + (3 \times (3 + 3)^3)) \\
&:= 4 + (((4 - 4 / 4)^{4+4}) + (4 / 4 + 4^4)) \\
&:= ((55 + 5) \times (5 \times 5 \times 5 - 5)) - 5 - 5 \\
&:= (6 - 66) / 6 + ((6 + 6) \times (666 - 66)) \\
&:= 7 / 7 + (7777 - 7 \times (77 + 7)) \\
&:= 88 + (8 \times 888 - ((8 + 8) / 8)) \\
&:= (9 / 9 + 9) \times (9 \times 9 \times 9 - (9 / 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7191 &:= 1 + (1 + (((11^{1+1} - 1)^{1+1}) / (1 + 1)) - 11) \\
&:= (2 / 2 + 2)^2 \times (2 \times (22 - 2)^2 - 2 / 2) \\
&:= 3 \times ((3 \times (3^3 \times (3^3 + 3))) - 33) \\
&:= (4 - 4 / 4) \times (((4 - 4 / 4) + 4)^4) - 4 \\
&:= (5 / 5 + 5)^5 - ((555 + 5 \times 5) + 5) \\
&:= ((6 + 6) \times (666 - 6)) - ((6 \times 6 / (6 + 6))^6) \\
&:= (7 \times 7 \times 7 \times (7 + 7 + 7)) - (77 + 7) / 7 \\
&:= 88 + (8 \times 888 - 8 / 8) \\
&:= 9 \times 9 \times (9 \times 9 + 9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7192 &:= ((1 + 1)^{1+1+11}) - (11 - 1)^{1+1+1} \\
&:= 2 \times ((2^{2+2} \times 222) + 2 \times 22) \\
&:= 333 + (((3 \times (3 + 3)) + 3 / 3)^3) \\
&:= 4 + ((4 \times ((4 \times (444 + 4)) + 4)) + 4) \\
&:= 5 + ((5^5 - 5) / (5 + 5) + 5 \times 5 \times 5 \times 55) \\
&:= ((6 + 6) / 6)^6 + (6 \times (66 \times (6 + 6 + 6))) \\
&:= (7 \times 7 \times 7 \times (7 + 7 + 7)) - 77 / 7 \\
&:= 88 + 8 \times 888 \\
&:= 9 / 9 + (9 \times 9 \times (9 \times 9 + 9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7193 &:= 1 + (((1 + 1)^{1+1+11}) - (11 - 1)^{1+1+1}) \\
&:= 2 + (2 / 2 + 2)^2 \times (2 \times (22 - 2)^2 - 2 / 2) \\
&:= (33 \times ((3 + 3)^3 + 3)) - 3 / 3 - 33 \\
&:= 4 + (((4 \times ((4 \times (444 + 4)) + 4)) + 4 / 4) + 4) \\
&:= 5 \times 5 + (((5 + 5) / 5 + 5) \times (5 - 5 / 5)^5) \\
&:= 66 + ((6 \times (66 \times (6 + 6 + 6))) - 6 / 6) \\
&:= ((7 - 77) / 7) + (7 \times 7 \times 7 \times (7 + 7 + 7)) \\
&:= 8 / 8 + (8 \times 888 + 88) \\
&:= (9 + 9) / 9 + (9 \times 9 \times (9 \times 9 + 9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7194 &:= (1 + 1) \times (11 \times ((1 + 1 + 1) \times (111 - 1 - 1))) \\
&:= 22 + (22 \times (((2^{2+2} + 2)^2) + 2)) \\
&:= 33 \times (((3 + 3)^3 - 3 / 3) + 3) \\
&:= 4 + (((4 - 4 / 4)^{4+4}) + (4 / 4 + 4^4) + 4) \\
&:= 55 / 5 \times (((5^5 - 5) / 5 + 5 \times 5) + 5) \\
&:= 66 + (6 \times (66 \times (6 + 6 + 6))) \\
&:= (7 \times 7 \times 7 \times (7 + 7 + 7)) - ((7 + 7) / 7 + 7) \\
&:= 88 + (8 \times 888 + ((8 + 8) / 8)) \\
&:= ((9 + 9 + 9) / 9) + (9 \times 9 \times (9 \times 9 + 9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7195 &:= (1 + (((11^{1+1} - 1)^{1+1}) - 11)) / (1 + 1) \\
&:= (2 \times (((2^{2+2} + 2 \times 22)^2) - 2)) - 2 / 2 \\
&:= 3 + (((3 \times (3 + 3)) + 3 / 3)^3) + 333 \\
&:= 4 + ((4 - 4 / 4) \times (((4 - 4 / 4) + 4)^4) - 4) \\
&:= ((55 + 5) \times (5 \times 5 \times 5 - 5)) - 5 \\
&:= 66 + ((6 \times (66 \times (6 + 6 + 6))) + 6 / 6) \\
&:= (7 \times 7 \times 7 \times (7 + 7 + 7)) - (7 / 7 + 7) \\
&:= 8 + ((8 \times (888 + 8) + (88 / 8)) + 8) \\
&:= ((9 - 99) / (9 + 9)) + ((9 - 99) \times (9 / 9 - 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7196 &:= 1 + ((1 + (((11^{1+1} - 1)^{1+1}) - 11)) / (1 + 1)) \\
&:= 2 \times (((2^{2+2} + 2 \times 22)^2) - 2) \\
&:= 33 + ((33 / 3)^3 + (3 \times (3 + 3)^3)) \\
&:= (44 - 4 \times 4) \times (4 / 4 + 4^4) \\
&:= (5 / 5 + 5)^5 - (555 + 5 \times 5) \\
&:= 66 + ((6 \times (66 \times (6 + 6 + 6))) + ((6 + 6) / 6)) \\
&:= (7 \times 7 \times 7 \times (7 + 7 + 7)) - 7 \\
&:= 88 + (8 \times 888 + 8 \times 8 / (8 + 8)) \\
&:= 9 \times (9 \times (9 \times 9 + 9) - 9) - (99 + 9 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7197 &:= (((11^{1+1} - 1)^{1+1}) / (1 + 1)) - 1 - 1 - 1 \\
&:= 2 / 2 + (2 \times (((2^{2+2} + 2 \times 22)^2) - 2)) \\
&:= 3 + (33 \times (((3 + 3)^3 - 3 / 3) + 3)) \\
&:= 4 / 4 + ((44 - 4 \times 4) \times (4 / 4 + 4^4)) \\
&:= 5 / 5 + ((5 / 5 + 5)^5 - (555 + 5 \times 5)) \\
&:= ((6 + 6) \times (666 - 66)) - 6 \times 6 / (6 + 6) \\
&:= 7 / 7 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) - 7) \\
&:= 8 + (((8 \times 888 - (88 / 8)) + 88) + 8) \\
&:= 9 \times (9 \times (9 \times 9 + 9) - 9) - (99 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7198 &:= (((11^{1+1} - 1)^{1+1}) / (1 + 1)) - 1 - 1 \\
&:= (2 \times ((2^{2+2} + 2 \times 22)^2)) - 2 \\
&:= 3 + (((3 \times (3 + 3)) + 3 / 3)^3) + 333 + 3 \\
&:= ((44 - 4) \times (4 \times 44 + 4)) - (4 + 4) / 4 \\
&:= ((55 + 5) \times (5 \times 5 \times 5 - 5)) - (5 + 5) / 5 \\
&:= ((6 + 6) \times (666 - 66)) - (6 + 6) / 6 \\
&:= (7 + 7) / 7 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) - 7) \\
&:= 8 + ((8 \times 888 - ((8 + 8) / 8)) + 88) \\
&:= 9 \times (9 \times (9 \times 9 + 9) - 9) - 99 / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7199 &:= (((11^{1+1} - 1)^{1+1}) / (1 + 1)) - 1 \\
&:= (2 \times ((2^{2+2} + 2 \times 22)^2)) - 2 / 2 \\
&:= (33 \times (3 + 3)^3) + (((3 + 3)^3 - 3) / 3) \\
&:= ((44 - 4) \times (4 \times 44 + 4)) - 4 / 4 \\
&:= ((55 + 5) \times (5 \times 5 \times 5 - 5)) - 5 / 5 \\
&:= ((6 + 6) \times (666 - 66)) - 6 / 6 \\
&:= 7 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) - (77 / 7)) \\
&:= 8 + ((8 \times 888 - 8 / 8) + 88) \\
&:= 9 \times (9 \times (9 \times 9 + 9) - 9) - 9 / 9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7200 &:= ((11^{1+1} - 1)^{1+1}) / (1 + 1) \\
&:= 2 \times ((2^{2+2} + 2 \times 22)^2) \\
&:= (3^3 - 3) \times (3 \times 3 \times 33 + 3) \\
&:= (44 - 4) \times (4 \times 44 + 4) \\
&:= (55 + 5) \times (5 \times 5 \times 5 - 5) \\
&:= (6 + 6) \times (666 - 66) \\
&:= ((7 + 7 + 7) / 7) \times (7 \times 7 \times 7 \times 7 - 7 / 7) \\
&:= 8 + (8 \times 888 + 88) \\
&:= (9 - 99) \times (9 / 9 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7201 &:= 1 + (((11^{1+1} - 1)^{1+1}) / (1 + 1)) \\
&:= 2 / 2 + (2 \times ((2^{2+2} + 2 \times 22)^2)) \\
&:= 3 / 3 + ((3^3 - 3) \times (3 \times 3 \times 33 + 3)) \\
&:= 4 / 4 + ((44 - 4) \times (4 \times 44 + 4)) \\
&:= 5 / 5 + ((55 + 5) \times (5 \times 5 \times 5 - 5)) \\
&:= 6 / 6 + ((6 + 6) \times (666 - 66)) \\
&:= (7 \times 7 \times 7 \times (7 + 7 + 7)) - (7 + 7) / 7 \\
&:= 8 + ((8 \times 888 + 8 / 8) + 88) \\
&:= 9 / 9 + ((9 - 99) \times (9 / 9 - 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7202 &:= 1 + (1 + (((11^{1+1} - 1)^{1+1}) / (1 + 1))) \\
&:= 2 + (2 \times ((2^{2+2} + 2 \times 22)^2)) \\
&:= (3 \times ((3 / 3 + 3 + 3)^{3/3+3})) - 3 / 3 \\
&:= (4 + 4) / 4 + ((44 - 4) \times (4 \times 44 + 4)) \\
&:= (5 + 5) / 5 + ((55 + 5) \times (5 \times 5 \times 5 - 5)) \\
&:= (6 + 6) / 6 + ((6 + 6) \times (666 - 66)) \\
&:= (7 \times 7 \times 7 \times (7 + 7 + 7)) - 7 / 7 \\
&:= 8 + ((8 \times 888 + ((8 + 8) / 8)) + 88) \\
&:= (9 + 9) / 9 + ((9 - 99) \times (9 / 9 - 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7203 &:= 1 + (1 + (1 + ((11^{1+1} - 1)^{1+1}) / (1 + 1))) \\
&:= (2/2 + 2) \times (((2/2 + 2 + 2) + 2)^{2+2}) \\
&:= 3 \times ((3/3 + 3 + 3)^{3/3+3}) \\
&:= (4 - 4/4) \times (((4 - 4/4) + 4)^4) \\
&:= ((5 + 5)/5 + 5) \times ((5 - 5/5)^5 + 5) \\
&:= ((66 - 6/6) \times 666/6) - 6 - 6 \\
&:= 7 \times 7 \times 7 \times (7 + 7 + 7) \\
&:= 88 + (8 \times 888 + (88/8)) \\
&:= (99 + 9)/9 + (9 \times 9 \times (9 \times 9 + 9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7204 &:= 1 + (1 + (1 + (1 + ((11^{1+1} - 1)^{1+1}) / (1 + 1)))) \\
&:= 2 \times (((2^{2+2} + 2 \times 22)^2) + 2) \\
&:= 3/3 + (3 \times ((3/3 + 3 + 3)^{3/3+3})) \\
&:= 4 + ((44 - 4) \times (4 \times 44 + 4)) \\
&:= 5 + (((55 + 5) \times (5 \times 5 \times 5 - 5)) - 5/5) \\
&:= 6 + (((6 + 6) \times (666 - 66)) - ((6 + 6)/6)) \\
&:= 7/7 + (7 \times 7 \times 7 \times (7 + 7 + 7)) \\
&:= 88 + (8 \times 888 + ((88 + 8)/8)) \\
&:= ((9 - 99)/(9 + 9)) + 9 \times (9 \times (9 \times 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7205 &:= 11 \times ((1 + 1) \times (1 + 1 + 1) \times 111 - 11) \\
&:= 2 + ((2/2 + 2) \times (((2/2 + 2 + 2) + 2)^{2+2})) \\
&:= 3 + ((3 \times ((3/3 + 3 + 3)^{3/3+3})) - 3/3) \\
&:= 4 + (((44 - 4) \times (4 \times 44 + 4)) + 4/4) \\
&:= 5 + ((55 + 5) \times (5 \times 5 \times 5 - 5)) \\
&:= 66/6 \times (666 - 66/6) \\
&:= (7 + 7)/7 + (7 \times 7 \times 7 \times (7 + 7 + 7)) \\
&:= 8 \times 888 + (8888/88) \\
&:= 99/9 \times ((9 \times (9 \times 9 - 9) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7206 &:= (1 + (11 + ((11^{1+1} - 1)^{1+1})) / (1 + 1)) \\
&:= 2 + (2 \times (((2^{2+2} + 2 \times 22)^2) + 2)) \\
&:= 3 + (3 \times ((3/3 + 3 + 3)^{3/3+3})) \\
&:= (4 - 4/4) \times (((4 - 4/4) + 4)^4) + 4/4 \\
&:= 55 + ((5/5 + 5)^5 - 5^5/5) \\
&:= 6 + ((6 + 6) \times (666 - 66)) \\
&:= (7 + 7 + 7)/7 + (7 \times 7 \times 7 \times (7 + 7 + 7)) \\
&:= 8 \times 888 + ((888 - 8)/8 - 8) \\
&:= 9 \times (9 \times (9 \times 9 + 9) - 9) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7207 &:= 1 + ((1 + (11 + ((11^{1+1} - 1)^{1+1})) / (1 + 1))) \\
&:= 2 + (((2/2 + 2) \times (((2/2 + 2 + 2) + 2)^{2+2})) + 2) \\
&:= 3 + ((3 \times ((3/3 + 3 + 3)^{3/3+3})) + 3/3) \\
&:= 4 + ((4 - 4/4) \times (((4 - 4/4) + 4)^4)) \\
&:= 55 + (((5 - 5^5)/5) + (5/5 + 5)^5) \\
&:= 6 + (((6 + 6) \times (666 - 66)) + 6/6) \\
&:= 77/7 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) - 7) \\
&:= 888/8 + (8 \times 888 - 8) \\
&:= 9 \times (9 \times (9 \times 9 + 9) - 9) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7208 &:= (((11^{1+1+1+1}) - 1) / (1 + 1)) - (1 + 111) \\
&:= 2 \times (((2^{2+2} + 2 \times 22)^2) + 2) + 2 \\
&:= 3 \times 3^3 + ((33 \times (3 + 3)^3) - 3/3) \\
&:= 4 + (((44 - 4) \times (4 \times 44 + 4)) + 4) \\
&:= 5 + (((5 + 5)/5 + 5) \times ((5 - 5/5)^5 + 5)) \\
&:= 6 + (((6 + 6) \times (666 - 66)) + ((6 + 6)/6)) \\
&:= 7 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) - ((7 + 7)/7)) \\
&:= 8 + ((8 \times 888 + 88) + 8) \\
&:= 9 \times (9 \times (9 \times 9 + 9) - 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7209 &:= (((11^{1+1+1+1}) - 1) / (1 + 1)) - 111 \\
&:= (2/2 + 2) \times (((2/2 + 2 + 2) + 2)^{2+2}) + 2 \\
&:= 3 \times (3 \times 3^{3+3} + (3 + 3)^3) \\
&:= (4 - 4/4)^4 \times (((4 - 4/4)^4 + 4) + 4) \\
&:= 5 + (((55 + 5) \times (5 \times 5 \times 5 - 5)) - 5/5) + 5 \\
&:= ((66 - 6/6) \times 666/6) - 6 \\
&:= 7 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) - 7/7) \\
&:= (8/8 + 88) \times ((8/8 - 8) + 88) \\
&:= 9 \times (9 \times (9 \times 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7210 &:= 11 + (((11^{1+1} - 1)^{1+1}) / (1 + 1)) - 1 \\
&:= 2 + (((2 \times 2 \times (22 - 2)) + 2)^2) + 22^2 \\
&:= 3/3 + ((33 \times (3 + 3)^3) + 3 \times 3^3) \\
&:= 4 + ((4 - 4/4) \times (((4 - 4/4) + 4)^4) + 4/4) \\
&:= 5 + (((55 + 5) \times (5 \times 5 \times 5 - 5)) + 5) \\
&:= 6/6 + (((66 - 6/6) \times 666/6) - 6) \\
&:= 7 + (7 \times 7 \times 7 \times (7 + 7 + 7)) \\
&:= 8 + (((8 \times 888 + ((8 + 8)/8)) + 88) + 8) \\
&:= 9/9 + 9 \times (9 \times (9 \times 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7211 &:= 11 + (((11^{1+1} - 1)^{1+1}) / (1 + 1)) \\
&:= 22/2 + (2 \times ((2^{2+2} + 2 \times 22)^2)) \\
&:= 3 + (((33 \times (3 + 3)^3) - 3/3) + 3 \times 3^3) \\
&:= (444/4 \times (4^4 + 4)/4) - 4 \\
&:= (5/5 + 5)^5 - (555 + 5 + 5) \\
&:= 6 + ((66/6) \times (666 - 66/6)) \\
&:= 7 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) + 7/7) \\
&:= 8 + ((8 \times 888 + (88/8)) + 88) \\
&:= (9 + 9)/9 + 9 \times (9 \times (9 \times 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7212 &:= 1 + (11 + ((11^{1+1} - 1)^{1+1}) / (1 + 1)) \\
&:= 2 \times ((2^{2+2} \times (222 + 2)) + 22) \\
&:= 3 + ((33 \times (3 + 3)^3) + 3 \times 3^3) \\
&:= 44 + (4 \times (4 \times (444 + 4))) \\
&:= ((55 + 5)/5) \times ((5^5 + 5)/5 - 5 \times 5) \\
&:= 6 + (((6 + 6) \times (666 - 66)) + 6) \\
&:= 7 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) + ((7 + 7)/7)) \\
&:= 8 \times (888 + 8) + (88/(8 + 8)/8) \\
&:= ((9 + 9 + 9)/9) + 9 \times (9 \times (9 \times 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7213 &:= ((11 + (11 - 1))^{1+1+1}) - (1 + 1)^{11} \\
&:= (2 \times 2 \times 22)^2 - (((22 + 2/2)^2) + 2) \\
&:= (33 \times ((3 + 3)^3 + 3)) - (33/3 + 3) \\
&:= 44 + ((4 \times (4 \times (444 + 4))) + 4/4) \\
&:= 5 + (((5 + 5)/5 + 5) \times ((5 - 5/5)^5 + 5)) + 5 \\
&:= 6 + (((6 + 6) \times (666 - 66)) + 6/6) + 6 \\
&:= ((77 - 7)/7) + (7 \times 7 \times 7 \times (7 + 7 + 7)) \\
&:= 8 \times 888 + ((888 - 8 - 8)/8) \\
&:= ((9 \times 9 - 9)/(9 + 9)) + 9 \times (9 \times (9 \times 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7214 &:= (111 \times (1 + ((1 + 1)^{(1+1) \times (1+1+1)}))) - 1 \\
&:= (22 \times (((2^{2+2} + 2)^2) + 2)) - 2 \\
&:= 33/3 + (3 \times ((3/3 + 3 + 3)^{3/3+3})) \\
&:= (444 - 4)/4 + (4 \times 4 \times 444) \\
&:= (555 \times (55 + 5 + 5)/5) - 5/5 \\
&:= ((66 - 6/6) \times 666/6) - 6/6 \\
&:= 77/7 + (7 \times 7 \times 7 \times (7 + 7 + 7)) \\
&:= 8 \times 888 + (888 - 8)/8 \\
&:= ((9 \times 9 + 9)/(9 + 9)) + 9 \times (9 \times (9 \times 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7215 &:= 111 \times (1 + ((1 + 1)^{(1+1) \times (1+1+1)})) \\
&:= 222/2 \times (2^{2+2+2} + 2/2) \\
&:= (33 \times ((3 + 3)^3 + 3)) - (3 \times 3 + 3) \\
&:= 444/4 \times (4^4 + 4)/4 \\
&:= 555 \times (55 + 5 + 5)/5 \\
&:= (66 - 6/6) \times 666/6 \\
&:= (77 + 7)/7 + (7 \times 7 \times 7 \times (7 + 7 + 7)) \\
&:= 888/8 + 8 \times 888 \\
&:= 9 + (9 \times (9 \times (9 \times 9 + 9) - 9) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7216 &:= 1 + (111 \times (1 + ((1 + 1)^{(1+1) \times (1+1+1)}))) \\
&:= 22 \times (((2^{2+2} + 2)^2) + 2) + 2 \\
&:= (33 \times ((3 + 3)^3 + 3)) - 33/3 \\
&:= 44 \times (4 \times (44 - 4) + 4) \\
&:= (5/5 + 5)^5 - (555 + 5) \\
&:= 6/6 + ((66 - 6/6) \times 666/6) \\
&:= 7 + (((7 \times 7 \times 7 \times (7 + 7 + 7)) - 7/7) + 7) \\
&:= 88 \times (((8 + 8)/8) - 8) + 88 \\
&:= (9 - 9/9) \times ((99/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7217 &:= 1 + (1 + (111 \times (1 + ((1 + 1)^{(1+1) \times (1+1+1)})))) \\
&:= 2 + (222/2 \times (2^{2+2+2} + 2/2)) \\
&:= ((3 - 33)/3) + (33 \times ((3 + 3)^3 + 3)) \\
&:= 4/4 + (44 \times (4 \times (44 - 4) + 4)) \\
&:= 5/5 + ((5/5 + 5)^5 - (555 + 5)) \\
&:= 6 + (((66/6) \times (666 - 66/6)) + 6) \\
&:= 7 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) + 7) \\
&:= 8 + ((8/8 + 88) \times ((8/8 - 8) + 88)) \\
&:= 9 + (9 \times (9 \times (9 \times 9 + 9) - 9) - 9/9)
\end{aligned}$$

- **7218** := $1 + (1 + (1 + (111 \times (1 + ((1 + 1)^{(1+1) \times (1+1+1)}))))$
:= $2 + (22 \times (((2^{2+2} + 2)^2) + 2) + 2)$
:= $33 \times ((3 + 3)^3 + 3) - 3 \times 3$
:= $(4 + 4)/4 + (44 \times (4 \times (44 - 4) + 4))$
:= $55 + (((5 + 5)/5 + 5) \times (5 - 5/5)^5) - 5$
:= $(6 + 6 + 6) \times ((6 \times 66 - 6/6) + 6)$
:= $((7/7 + 77 + 7)^{(7+7)/7}) - 7$
:= $(8 + 8)/8 + (88 \times (((8 + 8)/8) - 8) + 88)$
:= $9 + 9 \times (9 \times (9 \times 9 + 9) - 9)$
- **7219** := $((((1 + 1 + 11) \times 1111) - 1)/(1 + 1)) - 1 - 1$
:= $((((2/2 + 2)^{2+2} + 2) + 2)^2) - 2 - 2 - 2$
:= $3 + ((33 \times ((3 + 3)^3 + 3)) - 33/3)$
:= $4 + (444/4 \times (4^4 + 4)/4)$
:= $5^5 + (((5 - 5/5)^5 - 55) + 5^5)$
:= $6/6 + ((6 + 6 + 6) \times ((6 \times 66 - 6/6) + 6))$
:= $7 + (((7 \times 7 \times 7 \times (7 + 7 + 7)) + ((7 + 7)/7)) + 7)$
:= $8 + (((8 \times 888 + (88/8)) + 88) + 8)$
:= $9 + (9 \times (9 \times (9 \times 9 + 9) - 9) + 9/9)$
- **7220** := $((((1 + 1 + 11) \times 1111) - 1)/(1 + 1)) - 1$
:= $(22 - 2) \times ((22 - (2/2 + 2))^2)$
:= $33 \times ((3 + 3)^3 + 3) - (3/3 + 3 + 3)$
:= $4 + (44 \times (4 \times (44 - 4) + 4))$
:= $5 + (555 \times (55 + 5 + 5)/5)$
:= $6 + (((66 - 6/6) \times 666/6) - 6/6)$
:= $(77 - 7/7) \times ((77/7 + 77) + 7)$
:= $8 \times (888 + 8 + 8) - (88 + 8)/8$
:= $99/9 + 9 \times (9 \times (9 \times 9 + 9) - 9)$
- **7221** := $((((1 + 1 + 11) \times 1111) - 1)/(1 + 1))$
:= $((((2/2 + 2)^{2+2} + 2) + 2)^2) - 2 - 2$
:= $33 \times ((3 + 3)^3 + 3) - 3 - 3$
:= $(4 + 4)^4 + ((4/4 + 4)^{4+4/4})$
:= $(5/5 + 5)^5 - 555$
:= $6 + ((66 - 6/6) \times 666/6)$
:= $7 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) + (77/7))$
:= $8 \times (888 + 8 + 8) - 88/8$
:= $(99 + 9)/9 + 9 \times (9 \times (9 \times 9 + 9) - 9)$
- **7222** := $(1 + ((1 + 1 + 11) \times 1111))/(1 + 1)$
:= $2 + ((22 - 2) \times ((22 - (2/2 + 2))^2))$
:= $3/3 + ((33 \times ((3 + 3)^3 + 3)) - (3 + 3))$
:= $4 + ((44 \times (4 \times (44 - 4) + 4)) + (4 + 4)/4)$
:= $5/5 + ((5/5 + 5)^5 - 555)$
:= $6 + (((66 - 6/6) \times 666/6) + 6/6)$
:= $7 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) + (77 + 7)/7)$
:= $8 + ((888 - 8)/8 + 8 \times 888)$
:= $((99 + 9 + 9)/9) + 9 \times (9 \times (9 \times 9 + 9) - 9)$
- **7223** := $1 + ((1 + ((1 + 1 + 11) \times 1111))/(1 + 1))$
:= $((((2/2 + 2)^{2+2} + 2) + 2)^2) - 2$
:= $(33 \times ((3 + 3)^3 + 3) - (3/3 + 3))$
:= $4 + ((444/4 \times (4^4 + 4)/4) + 4)$
:= $55 + (((5 + 5)/5 + 5) \times (5 - 5/5)^5)$
:= $((6 + 6 + 6) \times (6 \times 66 + 6)) - (6/6 + 6 + 6)$
:= $((7 + 7 + 7) \times (7 \times 7 \times 7 + 7/7)) - 7/7$
:= $8 + (888/8 + 8 \times 888)$
:= $9 + (9 \times (9 \times (9 \times 9 + 9) - 9) + ((9 \times 9 + 9)/(9 + 9)))$
- **7224** := $((111 - ((1 + 1) \times (1 + 1 + 11)))^{1+1}) - 1$
:= $2 \times (2^{2 \times (2+2+2)} - 22^2)$
:= $33 \times ((3 + 3)^3 + 3) - 3$
:= $4 + ((44 \times (4 \times (44 - 4) + 4)) + 4)$
:= $(5 - 5/5)^5 + ((5 + 5) \times (5^5/5 - 5))$
:= $(6 + 6) \times (666 - ((6 + 6)/6)^6)$
:= $(7 + 7 + 7) \times (7 \times 7 \times 7 + 7/7)$
:= $8 \times (888 + 8 + 8) - 8$
:= $(9 - 9/9) \times ((99 + 9)/9 + 9 \times 99)$
- **7225** := $(111 - ((1 + 1) \times (1 + 1 + 11)))^{1+1}$
:= $((2/2 + 2)^{2+2} + 2) + 2)^2$
:= $3/3 + ((33 \times ((3 + 3)^3 + 3)) - 3)$
:= $((4 - 4/4)^4 + 4)^{(4+4)/4}$
:= $5 \times ((5 \times 5 \times (55 + 5)) - 55)$
:= $((66 + 6/6 + 6 + 6) + 6)^{(6+6)/6}$
:= $(7/7 + 77 + 7)^{(7+7)/7}$
:= $8/8 + (8 \times (888 + 8 + 8) - 8)$
:= $9 + ((9 - 9/9) \times ((99/9) + 9 \times 99))$
- **7226** := $1 + ((111 - ((1 + 1) \times (1 + 1 + 11)))^{1+1})$
:= $2 + (2 \times (2^{2 \times (2+2+2)} - 22^2))$
:= $33 \times ((3 + 3)^3 + 3) - 3/3$
:= $4/4 + (((4 - 4/4)^4 + 4)^{(4+4)/4})$
:= $5 + ((5/5 + 5)^5 - 555)$
:= $66/6 + ((66 - 6/6) \times 666/6)$
:= $7/7 + ((7/7 + 77 + 7)^{(7+7)/7})$
:= $(8 + 8)/8 + (8 \times (888 + 8 + 8) - 8)$
:= $99 + (99 \times (9 \times 9 - 9) - 9/9)$
- **7227** := $11 \times ((1 + 1 + 1) \times (((1 + 1) \times (111 - 1)) - 1))$
:= $2 + (((2/2 + 2)^{2+2} + 2) + 2)^2$
:= $33 \times ((3 + 3)^3 + 3)$
:= $44/4 + (44 \times (4 \times (44 - 4) + 4))$
:= $5 + (((5/5 + 5)^5 - 555) + 5/5)$
:= $6 + (((66 - 6/6) \times 666/6) + 6)$
:= $7777 - (7 \times 77 + (77/7))$
:= $((8/8 + 8 \times 8) + 8) \times (88/8 + 88)$
:= $99 + 99 \times (9 \times 9 - 9)$
- **7228** := $(1 + 1 + 11) \times ((1 + 1111)/(1 + 1))$
:= $2 \times ((2^{2 \times (2+2+2)} - 22^2) + 2)$
:= $3/3 + (33 \times ((3 + 3)^3 + 3))$
:= $(4 \times (4 \times (444 + 4 + 4))) - 4$
:= $(55 + 5 + 5)/5 \times (555 + 5/5)$
:= $((6 + 6)/6)^6 + (6 \times ((66 \times (6 + 6 + 6)) + 6))$
:= $7 + (((7 \times 7 \times 7 \times (7 + 7 + 7)) + (77/7)) + 7)$
:= $8 \times (888 + 8 + 8) - 8 \times 8/(8 + 8)$
:= $9/9 + (99 \times (9 \times 9 - 9) + 99)$
- **7229** := $1 + ((1 + 1 + 11) \times ((1 + 1111)/(1 + 1)))$
:= $2 + (((2/2 + 2)^{2+2} + 2) + 2)^2 + 2$
:= $3 + ((33 \times ((3 + 3)^3 + 3)) - 3/3)$
:= $4 + (((4 - 4/4)^4 + 4)^{(4+4)/4})$
:= $5 + ((55 \times (5 \times 5 \times 5 - 5)) + (5^5 - 5)/5)$
:= $((6 + 6 + 6) \times (6 \times 66 + 6)) - 6/6 - 6$
:= $7777 - ((7 \times 77 + ((7 + 7)/7)) + 7)$
:= $8 + (8 \times (888 + 8 + 8) - (88/8))$
:= $9 + (9 \times (9 \times (9 \times 9 + 9) - 9) + 99/9)$
- **7230** := $1 + (1 + ((1 + 1 + 11) \times ((1 + 1111)/(1 + 1))))$
:= $(2 - 22^2) \times (2/2 - 2^{2+2})$
:= $3 + (33 \times ((3 + 3)^3 + 3))$
:= $(4 \times (4 \times (444 + 4 + 4))) - (4 + 4)/4$
:= $5 + (5 \times ((5 \times 5 \times (55 + 5)) - 55))$
:= $((6 + 6 + 6) \times (6 \times 66 + 6)) - 6$
:= $7777 - ((7 \times 77 + 7/7) + 7)$
:= $8 \times (888 + 8 + 8) - (8 + 8)/8$
:= $999/9 + (99 \times (9 \times 9 - 9) - 9)$
- **7231** := $((1 + 1 + 111) \times ((1 + 1)^{(1+1) \times (1+1+1)})) - 1$
:= $2 + (((2/2 + 2)^{2+2} + 2) + 2)^2 + 2 + 2$
:= $3 + ((33 \times ((3 + 3)^3 + 3)) + 3/3)$
:= $(4 \times (4 \times (444 + 4 + 4))) - 4/4$
:= $5 + (((5/5 + 5)^5 - 555) + 5)$
:= $6/6 + (((6 + 6 + 6) \times (6 \times 66 + 6)) - 6)$
:= $7777 - (7 \times 77 + 7)$
:= $8 \times (888 + 8 + 8) - 8/8$
:= $(9 - (9 + 9)/9) \times (((9 + 9)/9)^{9/9+9} + 9)$
- **7232** := $(1 + 1 + 111) \times ((1 + 1)^{(1+1) \times (1+1+1)})$
:= $2 \times (2^{2+2} \times (222 + 2 + 2))$
:= $3 + (((33 \times ((3 + 3)^3 + 3)) - 3/3) + 3)$
:= $4 \times (4 \times (444 + 4 + 4))$
:= $55/5 + ((5/5 + 5)^5 - 555)$
:= $((6 + 6)/6)^6 \times (((666 + 6) + 6)/6)$
:= $7 + ((7/7 + 77 + 7)^{(7+7)/7})$
:= $8 \times (888 + 8 + 8)$
:= $(9 - 9/9) \times (((99 + 9 + 9)/9) + 9 \times 99)$

- **7233** := $1 + ((1 + 1 + 111) \times ((1 + 1)^{(1+1) \times (1+1+1)}))$
:= $2/2 + (2 \times (2^{2+2} \times (222 + 2 + 2)))$
:= $3 + ((33 \times ((3 + 3)^3 + 3)) + 3)$
:= $4/4 + (4 \times (4 \times (444 + 4 + 4)))$
:= $5 + ((55 + 5 + 5)/5 \times (555 + 5/5))$
:= $6 + (((66 - 6/6) \times 666/6) + 6) + 6$
:= $7 + (((7/7 + 77 + 7)^{(7+7)/7}) + 7/7)$
:= $8/8 + 8 \times (888 + 8 + 8)$
:= $9 + ((9 - 9/9) \times ((99 + 9)/9 + 9 \times 99))$
- **7234** := $((1 + 1 + 11) \times (1 + (1 + 1111))) - 1 / (1 + 1)$
:= $2 + (2 \times (2^{2+2} \times (222 + 2 + 2)))$
:= $3 + (((33 \times ((3 + 3)^3 + 3)) + 3/3) + 3)$
:= $(4 + 4)/4 + (4 \times (4 \times (444 + 4 + 4)))$
:= $(5 - 5/5)^5 + ((5 + 5) \times ((5^5 + 5)/5 - 5))$
:= $((6 + 6 + 6) \times (6 \times 66 + 6)) - (6 + 6)/6$
:= $7 + (7777 - (7 \times 77 + (77/7)))$
:= $(8 + 8)/8 + 8 \times (888 + 8 + 8)$
:= $9 + (((9 - 9/9) \times ((99/9) + 9 \times 99)) + 9)$
- **7235** := $(1 + ((1 + 1 + 11) \times (1 + (1 + 1111)))) / (1 + 1)$
:= $((2^{2+2} + 2) \times ((22 - 2)^2 + 2)) - 2/2$
:= $3 \times 3 + ((33 \times ((3 + 3)^3 + 3)) - 3/3)$
:= $4 + ((4 \times (4 \times (444 + 4 + 4))) - 4/4)$
:= $5 + ((5 \times ((5 \times 5 \times (55 + 5)) - 55)) + 5)$
:= $((6 + 6 + 6) \times (6 \times 66 + 6)) - 6/6$
:= $77/7 + ((7 + 7 + 7) \times (7 \times 7 \times 7 + 7/7))$
:= $88/8 + (8 \times (888 + 8 + 8) - 8)$
:= $9 + ((99 \times (9 \times 9 - 9) - 9/9) + 99)$
- **7236** := $11 + ((111 - ((1 + 1) \times (1 + 1 + 11)))^{1+1})$
:= $(2^{2+2} + 2) \times ((22 - 2)^2 + 2)$
:= $3 \times 3 + (33 \times ((3 + 3)^3 + 3))$
:= $4 + (4 \times (4 \times (444 + 4 + 4)))$
:= $5 + (((5/5 + 5)^5 - 555) + 5) + 5$
:= $(6 + 6 + 6) \times (6 \times 66 + 6)$
:= $7777 - (7 \times 77 + ((7 + 7)/7))$
:= $8 \times 8 / (8 + 8) + 8 \times (888 + 8 + 8)$
:= $9 + (99 \times (9 \times 9 - 9) + 99)$
- **7237** := $((1 + 1) \times (11 \times (((1 + 1 + 1) \times (111 - 1)) - 1))) - 1$
:= $2/2 + ((2^{2+2} + 2) \times ((22 - 2)^2 + 2))$
:= $3 \times 3 + ((33 \times ((3 + 3)^3 + 3)) + 3/3)$
:= $4 + ((4 \times (4 \times (444 + 4 + 4))) + 4/4)$
:= $5 + (((5/5 + 5)^5 - 555) + (55/5))$
:= $6/6 + ((6 + 6 + 6) \times (6 \times 66 + 6))$
:= $7777 - (7 \times 77 + 7/7)$
:= $8 + ((8 \times (888 + 8 + 8) - (88/8)) + 8)$
:= $9 + ((99 \times (9 \times 9 - 9) + 99) + 9/9)$
- **7238** := $(1 + 1) \times (11 \times (((1 + 1 + 1) \times (111 - 1)) - 1))$
:= $2 + ((2^{2+2} + 2) \times ((22 - 2)^2 + 2))$
:= $33/3 + (33 \times ((3 + 3)^3 + 3))$
:= $4 + ((4 \times (4 \times (444 + 4 + 4))) + (4 + 4)/4)$
:= $((5 + 5)/5 + 5) \times (((5 - 5/5)^5 + 5) + 5)$
:= $(6 + 6)/6 + ((6 + 6 + 6) \times (6 \times 66 + 6))$
:= $7777 - 7 \times 77$
:= $8 + (8 \times (888 + 8 + 8) - ((8 + 8)/8))$
:= $99 + (99 \times (9 \times 9 - 9) + (99/9))$
- **7239** := $1 + ((1 + 1) \times (11 \times (((1 + 1 + 1) \times (111 - 1)) - 1)))$
:= $222/2 + (22 \times ((2^{2+2} + 2)^2))$
:= $3 + ((33 \times ((3 + 3)^3 + 3)) + 3 \times 3)$
:= $4 + (((4 \times (4 \times (444 + 4 + 4))) - 4/4) + 4)$
:= $5^5 + (5 \times 55 \times (5 + 5 + 5) - (55/5))$
:= $666/6 + (6 \times (66 \times (6 + 6 + 6)))$
:= $7/7 + (7777 - 7 \times 77)$
:= $8 + (8 \times (888 + 8 + 8) - 8/8)$
:= $999/9 + 99 \times (9 \times 9 - 9)$
- **7240** := $(1 + 1) \times (1 + (11 \times (((1 + 1 + 1) \times (111 - 1)) - 1)))$
:= $2 + (((2^{2+2} + 2) \times ((22 - 2)^2 + 2)) + 2)$
:= $(33 \times (3 + 3)^3) + ((333 + 3)/3)$
:= $4 + ((4 \times (4 \times (444 + 4 + 4))) + 4)$
:= $5 \times 5 + (555 \times (55 + 5 + 5)/5)$
:= $6 + (((6 + 6 + 6) \times (6 \times 66 + 6)) - ((6 + 6)/6))$
:= $(7 + 7)/7 + (7777 - 7 \times 77)$
:= $8 + 8 \times (888 + 8 + 8)$
:= $99 \times (9 \times 9 - 9) + ((999 + 9)/9)$
- **7241** := $(1 + 1 + 11) \times (1 + ((1 + 1111)/(1 + 1)))$
:= $2^{2+2} + (((2/2 + 2)^{2+2} + 2) + 2)^2$
:= $3 + ((33 \times ((3 + 3)^3 + 3)) + 33/3)$
:= $4 \times 4 + (((4 - 4/4)^4 + 4)^{(4+4)/4})$
:= $5 \times 5 + ((5/5 + 5)^5 - (555 + 5))$
:= $6 + (((6 + 6 + 6) \times (6 \times 66 + 6)) - 6/6)$
:= $(7 \times (7 \times 7 \times (7 + 7 + 7) + 7)) - 77/7$
:= $8 + (8 \times (888 + 8 + 8) + 8/8)$
:= $99 \times (9 \times 9 - 9) + ((999 + 9 + 9)/9)$
- **7242** := $1 + ((1 + 1 + 11) \times (1 + ((1 + 1111)/(1 + 1))))$
:= $22 + ((22 - 2) \times ((22 - (2/2 + 2))^2))$
:= $(3/3 + 33) \times ((3 + 3)^3 - 3)$
:= $(44 - 4)/4 + (4 \times (4 \times (444 + 4 + 4)))$
:= $5 + (((5/5 + 5)^5 - 555) + (55/5)) + 5$
:= $6 + ((6 + 6 + 6) \times (6 \times 66 + 6))$
:= $77/7 + (7777 - (7 \times 77 + 7))$
:= $8 + (8 \times (888 + 8 + 8) + ((8 + 8)/8))$
:= $(9 \times 9 - (9/9 + 9)) \times (999/9 - 9)$
- **7243** := $1 + (1 + ((1 + 1 + 11) \times (1 + ((1 + 1111)/(1 + 1))))))$
:= $((22/2 + 2) + 2) \times (22^2 - 2/2) - 2$
:= $3/3 + ((3/3 + 33) \times ((3 + 3)^3 - 3))$
:= $44/4 + (4 \times (4 \times (444 + 4 + 4)))$
:= $5 + (((5 + 5)/5 + 5) \times (((5 - 5/5)^5 + 5) + 5))$
:= $6 + (((6 + 6 + 6) \times (6 \times 66 + 6)) + 6/6)$
:= $7 + (7777 - (7 \times 77 + ((7 + 7)/7)))$
:= $88/8 + 8 \times (888 + 8 + 8)$
:= $99 + ((9 - 9/9) \times (((9 + 9)/9) + 9 \times 99))$
- **7244** := $1111 + (((1 + 1 + 1) \times (1 + 1)^{11}) - 11)$
:= $2 \times (((2^{2+2} + 2 \times 22)^2) + 22)$
:= $(33/3)^3 + (3^3 \times ((3 + 3)^3 + 3))$
:= $44 + ((44 - 4) \times (4 \times 44 + 4))$
:= $5^5 + (((5 - 5/5)^5 - (5 \times 5 + 5)) + 5^5)$
:= $6 + (((6 + 6 + 6) \times (6 \times 66 + 6)) + ((6 + 6)/6))$
:= $7 + (7777 - (7 \times 77 + 7/7))$
:= $((88 + 8)/8) + 8 \times (888 + 8 + 8)$
:= $9 + (((99 \times (9 \times 9 - 9) - 9/9) + 99) + 9)$
- **7245** := $(1 + 1 + 1 + 1 + 11) \times (((11 + 11)^{1+1}) - 1)$
:= $((22/2 + 2) + 2) \times (22^2 - 2/2)$
:= $3 + ((3/3 + 33) \times ((3 + 3)^3 - 3))$
:= $((4^4 - 4)/4) \times (444/4 + 4)$
:= $5^5 + (5 \times 55 \times (5 + 5 + 5) - 5)$
:= $6 + ((6 \times (66 \times (6 + 6 + 6))) + 666/6)$
:= $7 + (7777 - 7 \times 77)$
:= $88 + (8 \times (888 + 8) - (88/8))$
:= $9 + ((99 \times (9 \times 9 - 9) + 99) + 9)$
- **7246** := $1 + ((1 + 1 + 1 + 1 + 11) \times (((11 + 11)^{1+1}) - 1))$
:= $2 + (2 \times (((2^{2+2} + 2 \times 22)^2) + 22))$
:= $3 + (((3/3 + 33) \times ((3 + 3)^3 - 3)) + 3/3)$
:= $4/4 + (((4^4 - 4)/4) \times (444/4 + 4))$
:= $5 \times 5 + ((5/5 + 5)^5 - 555)$
:= $((66 - 6)/6) + ((6 + 6 + 6) \times (6 \times 66 + 6))$
:= $7 + ((7777 - 7 \times 77) + 7/7)$
:= $8 + ((8 \times (888 + 8 + 8) - ((8 + 8)/8)) + 8)$
:= $9 + (((99 \times (9 \times 9 - 9) + 99) + 9/9) + 9)$
- **7247** := $((1 + 11) \times (11 \times (111 - 1)/(1 + 1) - 1)) - 1$
:= $22 + (((2/2 + 2)^{2+2} + 2) + 2)^2$
:= $3 + ((3^3 \times ((3 + 3)^3 + 3)) + (33/3)^3)$
:= $44 + ((4 - 4/4) \times (((4 - 4/4) + 4)^4))$
:= $5 \times 5 + (((5/5 + 5)^5 - 555) + 5/5)$
:= $66/6 + ((6 + 6 + 6) \times (6 \times 66 + 6))$
:= $7 + ((7777 - 7 \times 77) + ((7 + 7)/7))$
:= $8 + ((8 \times (888 + 8 + 8) - 8/8) + 8)$
:= $9 + ((99 \times (9 \times 9 - 9) + (99/9)) + 99)$

- ▶ **7248** := $(1+11) \times (11 \times (111-1)/(1+1)-1)$
:= $(22+2) \times (((2^{2+2}+2)^2)-22)$
:= $3 + (((3/3+33) \times ((3+3)^3-3)) + 3)$
:= $4 \times ((4 \times (444+4+4)) + 4)$
:= $((55+5)/5) \times ((55 \times 55-5)/5)$
:= $6 + (((6+6+6) \times (6 \times 66+6)) + 6)$
:= $7 + ((7 \times (7 \times 7 \times (7+7+7) + 7)) - (77/7))$
:= $8 + (8 \times (888+8+8) + 8)$
:= $9 + (99 \times (9 \times 9-9) + 999/9)$
- ▶ **7249** := $11 \times (((1+1) \times ((1+1+1) \times (111-1))) - 1)$
:= $2 + (((((2/2+2)^{2+2}+2) + 2)^2) + 22)$
:= $33/3 \times (3 \times (3+3)^3 + 33/3)$
:= $4 + (((4^4-4)/4) \times (444/4+4))$
:= $5^5 + (((5-5/5)^5-5 \times 5) + 5^5)$
:= $66/6 \times (666-6/6-6)$
:= $77/7 + (7777-7 \times 77)$
:= $8 + ((8 \times (888+8+8) + 8/8) + 8)$
:= $99/9 \times (9 \times (9 \times 9-9) + (99/9))$
- ▶ **7250** := $1 + (11 \times (((1+1) \times ((1+1+1) \times (111-1))) - 1))$
:= $2 + ((22+2) \times (((2^{2+2}+2)^2)-22))$
:= $(3 \times 3 + 3/3) \times (3^{3+3} - (3/3+3))$
:= $(4+4)/4 + (4 \times ((4 \times (444+4+4)) + 4))$
:= $5 \times (5 \times ((5 \times 55+5) + 5) + 5)$
:= $((66-6)/6) \times ((66 \times 66-6)/6)$
:= $(7 \times (7 \times 7 \times (7+7+7) + 7)) - (7+7)/7$
:= $8 + ((8 \times (888+8+8) + (8+8)/8) + 8)$
:= $(9/9+9) \times (((9-9 \times 9)/(9+9)) + 9 \times 9 \times 9)$
- ▶ **7251** := $(1+1+1) \times (((1+1) \times ((11 \times (111-1)) - 1)) - 1)$
:= $2 + ((((((2/2+2)^{2+2}+2) + 2)^2) + 22) + 2)$
:= $3^3 + ((33 \times ((3+3)^3+3)) - 3)$
:= $(4-4/4) \times (((4-4/4) + 4)^4) + 4 \times 4$
:= $5 + (((5/5+5)^5-555) + 5 \times 5)$
:= $6 \times 6 + ((66-6/6) \times 666/6)$
:= $(7 \times (7 \times 7 \times (7+7+7) + 7)) - 7/7$
:= $8 + (8 \times (888+8+8) + (88/8))$
:= $9 + ((9 \times 9 - (9/9+9)) \times (999/9 - 9))$
- ▶ **7252** := $1111 + ((1+1+1) \times ((1+1)^{11} - 1))$
:= $(2 \times (2 \times ((2 \times 22)^2 - 2))) - 22^2$
:= $3 + (33/3 \times (3 \times (3+3)^3 + 33/3))$
:= $4 + (4 \times ((4 \times (444+4+4)) + 4))$
:= $5^5 + (5 \times 55 \times (5+5+5) + ((5+5)/5))$
:= $(66 \times ((666-6)/6)) - ((6+6)/6+6)$
:= $7 \times (7 \times 7 \times (7+7+7) + 7)$
:= $8 + (8 \times (888+8+8) + ((88+8)/8))$
:= $(99-9/9) \times (((9+9)/9) - 9) + 9 \times 9$
- ▶ **7253** := $1 + (1111 + ((1+1+1) \times ((1+1)^{11} - 1)))$
:= $2/2 + ((2 \times (2 \times ((2 \times 22)^2 - 2))) - 22^2)$
:= $3^3 + ((33 \times ((3+3)^3+3)) - 3/3)$
:= $4 + (((4^4-4)/4) \times (444/4+4)) + 4$
:= $5 + (((55+5)/5) \times ((55 \times 55-5)/5))$
:= $(66 \times ((666-6)/6)) - 6/6 - 6$
:= $7/7 + (7 \times (7 \times 7 \times (7+7+7) + 7))$
:= $8 + ((8 \times (888+8) - (88/8)) + 88)$
:= $99 + (9 \times (9 \times 9 \times 9 + 9) + ((9+9)/9)^9)$
- ▶ **7254** := $(1+1) \times ((1+1+1) \times ((11 \times (111-1)) - 1))$
:= $2 + ((2 \times (2 \times ((2 \times 22)^2 - 2))) - 22^2)$
:= $3^3 + (33 \times ((3+3)^3 + 3))$
:= $4 + ((4 \times ((4 \times (444+4+4)) + 4)) + (4+4)/4)$
:= $(5 \times 5 + 5/5) \times ((5 \times 55 - 5/5) + 5)$
:= $(66 \times ((666-6)/6)) - 6$
:= $(7+7)/7 + (7 \times (7 \times 7 \times (7+7+7) + 7))$
:= $88 + (8 \times (888+8) - ((8+8)/8))$
:= $9 \times 9 \times (9 \times 9 + 9) - ((9+9+9) + 9)$
- ▶ **7255** := $1111 + ((1+1+1) \times (1+1)^{11})$
:= $(2/2+2+2) \times (((2/2+2) \times 22^2) - 2/2)$
:= $3^3 + ((33 \times ((3+3)^3+3)) + 3/3)$
:= $4 + ((4-4/4) \times (((4-4/4) + 4)^4) + 4 \times 4)$
:= $5 + (5 \times 55 \times (5+5+5) + 5^5)$
:= $6 + ((66/6) \times (666-6/6-6))$
:= $(7+7+7)/7 + (7 \times (7 \times 7 \times (7+7+7) + 7))$
:= $88 + (8 \times (888+8) - 8/8)$
:= $9/9 + (9 \times 9 \times (9 \times 9 + 9) - ((9+9+9) + 9))$
- ▶ **7256** := $1 + (1111 + ((1+1+1) \times (1+1)^{11}))$
:= $(2 \times 2 \times 22)^2 - (22^2 + 2 + 2)$
:= $3 + (((33 \times ((3+3)^3+3)) - 3/3) + 3^3)$
:= $(44 \times (4 \times 44 - 44/4)) - 4$
:= $(5/5+5)^5 + ((5-5^5)/(5/5+5))$
:= $6 + (((66-6)/6) \times ((66 \times 66-6)/6))$
:= $7 + ((7777-7 \times 77) + (77/7))$
:= $88 + 8 \times (888+8)$
:= $(9-9/9) \times (((9 \times 99 - (9+9)/9) + 9) + 9)$
- ▶ **7257** := $(1+1+1) \times (((1+1) \times (11 \times (111-1))) - 1)$
:= $(2/2+2) \times (((22 \times (222-2)) - 2)/2)$
:= $3 + ((33 \times ((3+3)^3+3)) + 3^3)$
:= $((4/4-4) + 44) \times (4 \times 44 + 4/4)$
:= $(5/5+5)^5 + (((555-5^5)/5) - 5)$
:= $6 + (((66-6)/6) \times 666/6) + 6 \times 6$
:= $7 + ((7 \times (7 \times 7 \times (7+7+7) + 7)) - ((7+7)/7))$
:= $8/8 + (8 \times (888+8) + 88)$
:= $9 + ((99 \times (9 \times 9 - 9) + 999/9) + 9)$
- ▶ **7258** := $(1+1) \times ((11 \times ((1+1+1) \times (111-1))) - 1)$
:= $(2 \times 2 \times 22)^2 - (22^2 + 2)$
:= $3 + (((33 \times ((3+3)^3+3)) + 3^3) + 3/3)$
:= $(44 \times (4 \times 44 - 44/4)) - (4+4)/4$
:= $55 + (((5+5)/5+5) \times ((5-5/5)^5+5))$
:= $(66 \times ((666-6)/6)) - (6+6)/6$
:= $7 + ((7 \times (7 \times 7 \times (7+7+7) + 7)) - 7/7)$
:= $88 + (8 \times (888+8) + ((8+8)/8))$
:= $9 + ((99/9) \times (9 \times (9 \times 9 - 9) + (99/9)))$
- ▶ **7259** := $((1+1) \times (11 \times ((1+1+1) \times (111-1)))) - 1$
:= $(2 \times 2 \times 22)^2 - (22^2 + 2/2)$
:= $33 + ((33 \times ((3+3)^3+3)) - 3/3)$
:= $44 + (444/4 \times (4^4+4)/4)$
:= $5 + ((5 \times 5 + 5/5) \times ((5 \times 55 - 5/5) + 5))$
:= $(66 \times ((666-6)/6)) - 6/6$
:= $7 + (7 \times (7 \times 7 \times (7+7+7) + 7))$
:= $8 + ((8 \times (888+8+8) + (88/8)) + 8)$
:= $9 \times 9 \times (9 \times 9 + 9) - (((99+99)/9) + 9)$
- ▶ **7260** := $(1+1) \times (11 \times ((1+1+1) \times (111-1)))$
:= $22^2 \times ((22/2+2) + 2)$
:= $33 + (33 \times ((3+3)^3+3))$
:= $44 \times (4 \times 44 - 44/4)$
:= $55 \times ((5 \times 5 \times 5 + ((5+5)/5)) + 5)$
:= $66 \times ((666-6)/6)$
:= $7 + ((7 \times (7 \times 7 \times (7+7+7) + 7)) + 7/7)$
:= $(8-8/8+8) \times 88 \times 88/(8+8)$
:= $(9/9+9) \times (9 \times 9 \times 9 - ((9+9+9)/9))$
- ▶ **7261** := $1 + ((1+1) \times (11 \times ((1+1+1) \times (111-1))))$
:= $2/2 + (22^2 \times ((22/2+2) + 2))$
:= $3/3 + ((33 \times ((3+3)^3+3)) + 33)$
:= $4/4 + (44 \times (4 \times 44 - 44/4))$
:= $555/5 + (55 \times (5 \times 5 \times 5 + 5))$
:= $6/6 + (66 \times ((666-6)/6))$
:= $7 + ((7 \times (7 \times 7 \times (7+7+7) + 7)) + ((7+7)/7))$
:= $(8 \times 8 - 88/8) \times ((8 \times (8+8) + 8/8) + 8)$
:= $9 \times 9 \times (9 \times 9 + 9) - (99/9 + 9 + 9)$
- ▶ **7262** := $(1+1) \times (1 + (11 \times ((1+1+1) \times (111-1))))$
:= $2 + (22^2 \times ((22/2+2) + 2))$
:= $(3 \times (3 \times ((3^3 \times (3^3+3)) - 3))) - 3/3$
:= $(4+4)/4 + (44 \times (4 \times 44 - 44/4))$
:= $(5/5+5)^5 + (((555-5^5)/5)$
:= $(6+6)/6 + (66 \times ((666-6)/6))$
:= $((77-7)/7) + (7 \times (7 \times 7 \times (7+7+7) + 7))$
:= $8 + ((8 \times (888+8) - ((8+8)/8)) + 88)$
:= $9 \times 9 \times (9 \times 9 + 9) - ((9/9+9+9) + 9)$

- **7263** := $(1+1+1) \times (1 + ((1+1) \times (11 \times (111-1))))$
:= $2 + ((22^2 \times ((22/2+2)+2)) + 2/2)$
:= $3 \times (3 \times ((3^3 \times (3^3+3)) - 3))$
:= $4 \times ((4 \times 444 - 4) + 44)$
:= $5^5 + (((5-5/5)^5 - 55/5) + 5^5)$
:= $((6+6) \times 666) - ((6 \times 6/(6+6))^6)$
:= $77/7 + (7 \times (7 \times 7 \times (7+7+7) + 7))$
:= $8 + ((8 \times (888+8) - 8/8) + 88)$
:= $9 \times 9 \times (9 \times 9 + 9) - (9+9+9)$
- **7264** := $((11^{1+1+1+1}) - 111)/(1+1) - 1$
:= $2 + ((22^2 \times ((22/2+2)+2)) + 2)$
:= $3/3 + (3 \times (3 \times ((3^3 \times (3^3+3)) - 3)))$
:= $4 \times ((4 \times 444 - 4) + 44)$
:= $5^5 + (((5-5/5)^5 - (5+5)) + 5^5)$
:= $6 + ((66 \times ((666-6)/6)) - ((6+6)/6))$
:= $(77+7)/7 + (7 \times (7 \times 7 \times (7+7+7) + 7))$
:= $8 + (8 \times (888+8) + 88)$
:= $9/9 + (9 \times 9 \times (9 \times 9 + 9) - (9+9+9))$
- **7265** := $((11^{1+1+1+1}) - 111)/(1+1)$
:= $((2 \times 22) - 2/2) \times ((22/2+2)^2) - 2$
:= $3 + ((3 \times (3 \times ((3^3 \times (3^3+3)) - 3))) - 3/3)$
:= $4 \times 4 \times 44 + ((4-4/4)^{4+4})$
:= $5 + (55 \times ((5 \times 5 \times 5 + (5+5)/5) + 5))$
:= $6 + ((66 \times ((666-6)/6)) - 6/6)$
:= $7 + (((7 \times (7 \times 7 \times (7+7+7) + 7)) - 7/7) + 7)$
:= $8 \times 88 + (88/8 - 8)^8$
:= $(9+9)/9 + (9 \times 9 \times (9 \times 9 + 9) - (9+9+9))$
- **7266** := $1 + (((11^{1+1+1+1}) - 111)/(1+1))$
:= $2 + (((22^2 \times ((22/2+2)+2)) + 2) + 2)$
:= $3 + (3 \times (3 \times ((3^3 \times (3^3+3)) - 3)))$
:= $4/4 + (((4-4/4)^{4+4}) + 4 \times 4 \times 44)$
:= $5 + ((55 \times (5 \times 5 \times 5 + 5)) + 555/5)$
:= $6 + (66 \times ((666-6)/6))$
:= $7 + ((7 \times (7 \times 7 \times (7+7+7) + 7)) + 7)$
:= $8/8 + ((88/8 - 8)^8 + 8 \times 88)$
:= $9 + (((99 \times (9 \times 9 - 9) + 999/9) + 9) + 9)$
- **7267** := $1 + (1 + (((11^{1+1+1+1}) - 111)/(1+1)))$
:= $((2 \times 22) - 2/2) \times ((22/2+2)^2)$
:= $3 + ((3 \times (3 \times ((3^3 \times (3^3+3)) - 3))) + 3/3)$
:= $4 + ((4 \times ((4 \times 444 - 4) + 44)) - 4/4)$
:= $5 + (((555 - 5^5)/5) + (5/5 + 5^5))$
:= $6 + ((66 \times ((666-6)/6)) + 6/6)$
:= $7 + (((7 \times (7 \times 7 \times (7+7+7) + 7)) + 7/7) + 7)$
:= $88 + (8 \times (888+8) + (88/8))$
:= $9 \times 9 \times (9 \times 9 + 9) - (99+99+9)/9$
- **7268** := $(1+1) \times (1 + ((1+1+1) \times (1 + (11 \times (111-1))))$
:= $(2 \times (2 \times ((2 \times 22)^2 + 2))) - 22^2$
:= $((33/3 + 3 \times 3)^3) - (3^{3+3} + 3)$
:= $4 + (4 \times ((4 \times 444 - 4) + 44))$
:= $5^5 + (((5-5/5)^5 - (5/5+5)) + 5^5)$
:= $6 + ((66 \times ((666-6)/6)) + ((6+6)/6))$
:= $((7+7)/7 + 77) \times ((7/7 + 77 + 7) + 7)$
:= $8 + ((8-8/8+8) \times 88 \times 88/(8+8))$
:= $(9 \times 9 - ((9+9)/9)) \times ((99/9) + 9 \times 9)$
- **7269** := $(1+1+1) \times (1 + ((1+1) \times (1 + (11 \times (111-1))))$
:= $2 + (((2 \times 22) - 2/2) \times ((22/2+2)^2))$
:= $3 + ((3 \times (3 \times ((3^3 \times (3^3+3)) - 3))) + 3)$
:= $4 + (((4-4/4)^{4+4}) + 4 \times 4 \times 44)$
:= $5^5 + (((5-5/5)^5 - 5) + 5^5)$
:= $6 + (((6+6) \times 666) - ((6 \times 6/(6+6))^6))$
:= $77 + ((7 \times 7 \times 7 \times (7+7+7)) - (77/7))$
:= $88 + ((8 \times 888 - (88/8)) + 88)$
:= $9 \times 9 \times (9 \times 9 + 9) - ((99+9)/9+9)$
- **7270** := $(11-1) \times ((11-1-1)^{1+1+1} - (1+1))$
:= $2 + ((2 \times (2 \times ((2 \times 22)^2 + 2))) - 22^2)$
:= $(3 \times 3 + 3/3) \times ((3^{3+3} - 3) + 3/3)$
:= $(4-44)/4 + (4 \times (4 \times 444 + 44))$
:= $(5 \times (5 \times (5 \times 55 + 5) + 55)) - 5$
:= $((66-6)/6) \times ((66 \times 66 + 6)/6)$
:= $7 + ((7 \times (7 \times 7 \times (7+7+7) + 7)) + (77/7))$
:= $8 \times (888+8) + ((888-8)/8-8)$
:= $(9/9+9) \times (9 \times 9 \times 9 - ((9+9)/9))$
- **7271** := $11 \times (1 + ((1+1) \times ((1+1+1) \times (111-1))))$
:= $22/2 + (22^2 \times ((22/2+2)+2))$
:= $((33/3 + 3 \times 3)^3) - 3^{3+3}$
:= $4^4 + (44444/4 - (4+4)^4)$
:= $55 + ((5/5+5)^5 - (555+5))$
:= $66/6 \times ((666-6) + 6/6)$
:= $7 + ((7 \times (7 \times 7 \times (7+7+7) + 7)) + (77+7)/7)$
:= $888/8 + (8 \times (888+8) - 8)$
:= $9 \times 9 \times (9 \times 9 + 9) - (9/9+9+9)$
- **7272** := $(1+11) \times (1+11 \times (111-1)/(1+1))$
:= $(2^{2+2} + 2) \times (((22-2)^2 + 2) + 2)$
:= $3 \times ((3 \times ((3^3 \times (3^3+3)) - 3)) + 3)$
:= $(4 \times (4 \times 444 + 44)) - 4 - 4$
:= $((55+5)/5) \times ((55 \times 55 + 5)/5)$
:= $(6+6) \times ((666-66) + 6)$
:= $77 + ((7 \times 7 \times 7 \times (7+7+7)) - (7/7+7))$
:= $8 + ((8 \times (888+8) + 88) + 8)$
:= $9 \times 9 \times (9 \times 9 + 9) - (9+9)$
- **7273** := $1 + ((1+11) \times (1+11 \times (111-1)/(1+1)))$
:= $((2 \times 2 \times 22 - 2)^2) - ((22/2)^2 + 2)$
:= $3 + ((3 \times 3 + 3/3) \times ((3^{3+3} - 3) + 3/3))$
:= $((4-4/4) + 4) \times (4 \times (4^4 + 4) - 4/4)$
:= $5^5 + (((5-5/5)^5 - 5/5) + 5^5)$
:= $6/6 + ((6+6) \times ((666-66) + 6))$
:= $77 + ((7 \times 7 \times 7 \times (7+7+7)) - 7)$
:= $8 + ((88/8 - 8)^8 + 8 \times 88)$
:= $9/9 + (9 \times 9 \times (9 \times 9 + 9) - (9+9))$
- **7274** := $1 + (1 + ((1+11) \times (1+11 \times (111-1)/(1+1))))$
:= $2 + ((2^{2+2} + 2) \times (((22-2)^2 + 2) + 2))$
:= $3 + (((33/3 + 3 \times 3)^3) - 3^{3+3})$
:= $4 \times 4^4 + ((44-4)/4 \times (4/4 + 4)^4)$
:= $5^5 + ((5-5/5)^5 + 5^5)$
:= $((66-6/6) \times (666+6)/6) - 6$
:= $7 \times 7 + ((7/7 + 77 + 7)^{(7+7)/7})$
:= $8 + (((88/8 - 8)^8 + 8 \times 88) + 8/8)$
:= $(9+9)/9 + (9 \times 9 \times (9 \times 9 + 9) - (9+9))$
- **7275** := $(1+1+1+1+11) \times (1 + ((11+11)^{1+1+1}))$
:= $((22/2+2)+2) \times (22^2 + 2/2)$
:= $3 + (3 \times (3 \times ((3^3 \times (3^3+3)) - 3)) + 3)$
:= $(44/4+4) \times ((44 \times 44 + 4)/4)$
:= $5 \times (5 \times (5 \times 55 + 5) + 55)$
:= $66 + (((66-6/6) \times 666/6) - 6)$
:= $(77 - (7+7)/7) \times (7 \times (7+7) - 7/7)$
:= $((8/8+88) + 8) \times (88/8 + 8 \times 8)$
:= $((9+9+9)/9) + (9 \times 9 \times (9 \times 9 + 9) - (9+9))$
- **7276** := $11 + (((11^{1+1+1+1}) - 111)/(1+1))$
:= $222 + (((2 \times ((2 \times 22) - 2))^2) - 2)$
:= $(3/3 + 33) \times (((3+3)^3 - 3) + 3/3)$
:= $(4 \times (4 \times 444 + 44)) - 4$
:= $55 + ((5/5+5)^5 - 555)$
:= $6 + (((66-6)/6) \times ((66 \times 66 + 6)/6))$
:= $7777 + ((7 \times (7-77)) - (77/7))$
:= $88/8 + ((88/8 - 8)^8 + 8 \times 88)$
:= $((9-99)/(9+9)) + (9 \times 9 \times (9 \times 9 + 9) - 9)$
- **7277** := $1111 + ((11 + (111^{1+1+1}))/ (1+1))$
:= $2 + (((22/2+2)+2) \times (22^2 + 2/2))$
:= $((3 \times 3 + 3/3) \times (3^{3+3} - 3/3)) - 3$
:= $4/4 + ((4 \times (4 \times 444 + 44)) - 4)$
:= $5 + (((55+5)/5) \times ((55 \times 55 + 5)/5))$
:= $6 + ((66/6) \times ((666-6) + 6/6))$
:= $(777/7 \times (77-77/7)) - 7 \times 7$
:= $(88/8+8) \times ((8 \times (8 \times 8 - 8) - 8) - 8/8)$
:= $9 \times 9 \times (9 \times 9 + 9) - (99+9+9)/9$

- ▶ **7278** := $((11-1) \times (11-1-1)^{1+1+1}) - 1 - 11$
:= $222 + ((2 \times ((2 \times 22) - 2))^2)$
:= $(3 \times ((3 \times (3^3 \times (3^3 + 3))) - 3)) - 3$
:= $(4 \times (4 \times 444 + 44)) - (4 + 4)/4$
:= $5 + (((5 - 5/5)^5 - 5/5) + 5^5) + 5^5$
:= $6 + ((6 + 6) \times ((666 - 66) + 6))$
:= $77 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) - ((7 + 7)/7))$
:= $8 \times (888 + 8) + (888 - 8)/8$
:= $9 \times 9 \times (9 \times 9 + 9) - (99 + 9)/9$
- ▶ **7279** := $((11-1) \times (11-1-1)^{1+1+1}) - 11$
:= $2/2 + (((2 \times ((2 \times 22) - 2))^2) + 222)$
:= $(3 \times (3 \times (3^3 \times (3^3 + 3)))) - 33/3$
:= $(4 \times (4 \times 444 + 44)) - 4/4$
:= $5 + (((5 - 5/5)^5 + 5^5) + 5^5)$
:= $((66/6) \times (666 - 6/6)) - 6 \times 6$
:= $77 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) - 7/7)$
:= $888/8 + 8 \times (888 + 8)$
:= $9 \times 9 \times (9 \times 9 + 9) - 99/9$
- ▶ **7280** := $(11-1) \times ((11-1-1)^{1+1+1} - 1)$
:= $2 + (((2 \times ((2 \times 22) - 2))^2) + 222)$
:= $(3 \times 3 + 3/3) \times (3^{3+3} - 3/3)$
:= $4 \times (4 \times 444 + 44)$
:= $(5 \times 5 + 5/5) \times (5 \times 55 + 5)$
:= $(66 - 6/6) \times (666 + 6)/6$
:= $77 + (7 \times 7 \times 7 \times (7 + 7 + 7))$
:= $88 + (8 \times 888 + 88)$
:= $(9/9 + 9) \times (9 \times 9 \times 9 - 9/9)$
- ▶ **7281** := $1 + ((11-1) \times ((11-1-1)^{1+1+1} - 1))$
:= $2 + (((2 \times ((2 \times 22) - 2))^2) + 222) + 2/2$
:= $3 \times ((3 \times (3^3 \times (3^3 + 3))) - 3)$
:= $4/4 + (4 \times (4 \times 444 + 44))$
:= $5 + (((5/5 + 5)^5 - 555) + 55)$
:= $66 + ((66 - 6/6) \times 666/6)$
:= $7/7 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) + 77)$
:= $8 + (((88/8 - 8)^8 + 8 \times 88) + 8)$
:= $9 \times 9 \times (9 \times 9 + 9) - 9$
- ▶ **7282** := $(1+1) \times (11 \times (1 + ((1+1+1) \times (111-1))))$
:= $22 + (22^2 \times ((22/2 + 2) + 2))$
:= $3/3 + (3 \times ((3 \times (3^3 \times (3^3 + 3))) - 3))$
:= $(4 + 4)/4 + (4 \times (4 \times 444 + 44))$
:= $(5 + 5)/5 + ((5 \times 5 + 5/5) \times (5 \times 55 + 5))$
:= $66/6 \times (((6 + 6)/6 - 6) + 666)$
:= $7 + ((77 - (7 + 7)/7) \times (7 \times (7 + 7) - 7/7))$
:= $88 + ((8 \times 888 + ((8 + 8)/8)) + 88)$
:= $9/9 + (9 \times 9 \times (9 \times 9 + 9) - 9)$
- ▶ **7283** := $1 + ((1+1) \times (11 \times (1 + ((1+1+1) \times (111-1))))$
:= $((2 \times 2 \times 22 - 2)^2) - (222/2 + 2)$
:= $3 + ((3 \times 3 + 3/3) \times (3^{3+3} - 3/3))$
:= $4 + ((4 \times (4 \times 444 + 44)) - 4/4)$
:= $5 + (((5 - 5/5)^5 - 5/5) + 5^5) + 5^5$
:= $6 + (((66/6) \times ((666 - 6) + 6/6)) + 6)$
:= $((7 + 7 + 7)/7)^7 + (7 \times (777 - 7 \times 7))$
:= $8 + (((8/8 + 88) + 8) \times (88/8 + 8 \times 8))$
:= $(9 + 9)/9 + (9 \times 9 \times (9 \times 9 + 9) - 9)$
- ▶ **7284** := $(1+1) \times (1 + (11 \times (1 + ((1+1+1) \times (111-1))))$
:= $2 + ((22^2 \times ((22/2 + 2) + 2)) + 22)$
:= $3 + (3 \times ((3 \times (3^3 \times (3^3 + 3))) - 3))$
:= $4 + (4 \times (4 \times 444 + 44))$
:= $5 + (((5 - 5/5)^5 + 5^5) + 5^5) + 5$
:= $66 \times 666/6 - (6 \times 6 + 6)$
:= $(7 - 7/7) \times (77/7 \times 777/7 - 7)$
:= $(8 \times ((888 + 8 + 8) + 8)) - (88 + 8)/8$
:= $((9 + 9 + 9)/9) + (9 \times 9 \times (9 \times 9 + 9) - 9)$
- ▶ **7285** := $1 + ((1+1) \times (1 + (11 \times (1 + ((1+1+1) \times (111-1))))$
:= $((2 \times 2 \times 22 - 2)^2) - 222/2$
:= $3 + ((3 \times ((3 \times (3^3 \times (3^3 + 3))) - 3)) + 3/3)$
:= $4 + ((4 \times (4 \times 444 + 44)) + 4/4)$
:= $5 + ((5 \times 5 + 5/5) \times (5 \times 55 + 5))$
:= $6 + (((66/6) \times (666 - 6/6)) - 6 \times 6)$
:= $7777 + ((7 \times (7 - 77)) - ((7 + 7)/7))$
:= $(8 \times ((888 + 8 + 8) + 8)) - 88/8$
:= $((9 - 99)/(9 + 9)) + 9 \times 9 \times (9 \times 9 + 9)$
- ▶ **7286** := $(1+1) \times (1 + (1 + (11 \times (1 + ((1+1+1) \times (111-1))))$
:= $222 + (2 \times (2 \times ((2 \times 22 - 2)^2 + 2)))$
:= $(3 \times (3 \times (3^3 \times (3^3 + 3)))) - (3/3 + 3)$
:= $4 + ((4 \times (4 \times 444 + 44)) + (4 + 4)/4)$
:= $5 + (((5/5 + 5)^5 - 555) + 55) + 5$
:= $6 + ((66 - 6/6) \times (666 + 6)/6)$
:= $7777 + ((7 \times (7 - 77)) - 7/7)$
:= $8 + (8 \times (888 + 8) + (888 - 8)/8)$
:= $((9 - 9 \times 9)/(9 + 9)) + 9 \times 9 \times (9 \times 9 + 9)$
- ▶ **7287** := $(1+1+1) \times ((11 \times ((1+1) \times 111 - 1)) - (1+1))$
:= $2 + (((2 \times 2 \times 22 - 2)^2) - 222/2)$
:= $(3 \times (3 \times (3^3 \times (3^3 + 3)))) - 3$
:= $((4 - 4/4) + 4) \times (4 \times (4^4 + 4) + 4/4)$
:= $5 + (((5 \times 5 + 5/5) \times (5 \times 55 + 5)) + ((5 + 5)/5))$
:= $6 + (((66 - 6/6) \times 666/6) + 66)$
:= $7777 + (7 \times (7 - 77))$
:= $8 + (8 \times (888 + 8) + 888/8)$
:= $9 \times 9 \times (9 \times 9 + 9) - (9 + 9 + 9)/9$
- ▶ **7288** := $((11-1) \times (11-1-1)^{1+1+1}) - 1 - 1$
:= $2 \times (2 \times ((2 \times (22 - 2))^2 + 222))$
:= $3/3 + ((3 \times (3 \times (3^3 \times (3^3 + 3))) - 3)$
:= $4 + ((4 \times (4 \times 444 + 44)) + 4)$
:= $((5 \times 5 + 5) \times ((5 - (5 + 5)/5)^5)) - (5 + 5)/5$
:= $6 + ((66/6) \times (((6 + 6)/6 - 6) + 666))$
:= $7/7 + (7777 + (7 \times (7 - 77)))$
:= $(8 \times ((888 + 8 + 8) + 8)) - 8$
:= $9 \times 9 \times (9 \times 9 + 9) - (9 + 9)/9$
- ▶ **7289** := $((11-1) \times (11-1-1)^{1+1+1}) - 1$
:= $(22 - 2)^2 + (((2/2 + 2)^{2+2} + 2)^2)$
:= $(3 \times (3 \times (3^3 \times (3^3 + 3)))) - 3/3$
:= $4 + (((4 \times (4 \times 444 + 44)) + 4/4) + 4)$
:= $((5 \times 5 + 5) \times ((5 - (5 + 5)/5)^5)) - 5/5$
:= $66 \times 666/6 - (6 \times 6 + 6/6)$
:= $((7 + 7)/7)^7 \times ((7/7 + 7 \times 7) + 7) - 7$
:= $8/8 + ((8 \times ((888 + 8 + 8) + 8)) - 8)$
:= $9 \times 9 \times (9 \times 9 + 9) - 9/9$
- ▶ **7290** := $(11-1) \times (11-1-1)^{1+1+1}$
:= $(22^2 + 2) \times ((22/2 + 2) + 2)$
:= $3 \times (3 \times (3^3 \times (3^3 + 3)))$
:= $(4 + 4)/4 \times ((44 + 4/4) \times (4 - 4/4)^4)$
:= $(5 \times 5 + 5) \times ((5 - (5 + 5)/5)^5)$
:= $66 \times 666/6 - 6 \times 6$
:= $((7 + 7)/7) \times (7 \times 7 \times 77 - ((7 + 7)/7)^7)$
:= $((8 + 8)/8 + 88) \times ((8/8 - 8) + 88)$
:= $9 \times 9 \times (9 \times 9 + 9)$
- ▶ **7291** := $1 + ((11-1) \times (11-1-1)^{1+1+1})$
:= $2/2 + ((22^2 + 2) \times ((22/2 + 2) + 2))$
:= $3/3 + (3 \times (3 \times (3^3 \times (3^3 + 3))))$
:= $44/4 + (4 \times (4 \times 444 + 44))$
:= $5/5 + ((5 \times 5 + 5) \times ((5 - (5 + 5)/5)^5))$
:= $6/6 + (66 \times 666/6 - 6 \times 6)$
:= $77 + ((7 \times 7 \times 7 \times (7 + 7 + 7)) + (77/7))$
:= $88 + ((8 \times 888 + (88/8)) + 88)$
:= $9/9 + 9 \times 9 \times (9 \times 9 + 9)$
- ▶ **7292** := $1 + (1 + ((11-1) \times (11-1-1)^{1+1+1}))$
:= $2 + ((22^2 + 2) \times ((22/2 + 2) + 2))$
:= $3 + ((3 \times (3 \times (3^3 \times (3^3 + 3)))) - 3/3)$
:= $4^4 + ((4 \times 4 \times (444 - 4)) - 4)$
:= $(5 + 5)/5 + ((5 \times 5 + 5) \times ((5 - (5 + 5)/5)^5))$
:= $6 + (((66 - 6/6) \times (666 + 6)/6) + 6)$
:= $7 + ((7777 - ((7 + 7)/7)) + (7 \times (7 - 77)))$
:= $88 \times 88 - (888 / ((8 + 8)/8) + 8)$
:= $(9 + 9)/9 + 9 \times 9 \times (9 \times 9 + 9)$

$$\begin{aligned}
\blacktriangleright 7293 &:= 11 \times ((1+1+1) \times ((1+1) \times 111 - 1)) \\
&:= (22/2 + 22) \times (222 - 2/2) \\
&:= 3 + (3 \times (3 \times (3^3 \times (3^3 + 3)))) \\
&:= 4/4 + (((4 \times 4 \times (444 - 4)) - 4) + 4^4) \\
&:= 5 \times 5 \times 5 + (((5+5)/5 + 5) \times (5 - 5/5)^5) \\
&:= 66/6 \times (666 - (6 \times 6/(6+6))) \\
&:= 7 + ((7777 - 7/7) + (7 \times (7 - 77))) \\
&:= 8 + ((8 \times ((888 + 8 + 8) + 8)) - (88/8)) \\
&:= ((9+9+9)/9) + 9 \times 9 \times (9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7294 &:= 1 + (11 \times ((1+1+1) \times ((1+1) \times 111 - 1))) \\
&:= 2 + (((22^2 + 2) \times ((22/2 + 2) + 2)) + 2) \\
&:= 3 + ((3 \times (3 \times (3^3 \times (3^3 + 3)))) + 3/3) \\
&:= 4^4 + ((4 \times 4 \times (444 - 4)) - (4 + 4)/4) \\
&:= 5 + (((5 \times 5 + 5) \times ((5 - (5+5)/5)^5)) - 5/5) \\
&:= 6 + (((66/6) \times (((6+6)/6 - 6) + 666)) + 6) \\
&:= 7 + (7777 + (7 \times (7 - 77))) \\
&:= (8 \times ((888 + 8 + 8) + 8)) - (8 + 8)/8 \\
&:= 9 \times 9 \times (9 \times 9 + 9) + ((9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7295 &:= 1 + (1 + (11 \times ((1+1+1) \times ((1+1) \times 111 - 1)))) \\
&:= 2 + ((22/2 + 22) \times (222 - 2/2)) \\
&:= 3 + (((3 \times (3 \times (3^3 \times (3^3 + 3)))) - 3/3) + 3) \\
&:= 4^4 + ((4 \times 4 \times (444 - 4)) - 4/4) \\
&:= 5 + ((5 \times 5 + 5) \times ((5 - (5+5)/5)^5)) \\
&:= 6 + (66 \times 666/6 - (6 \times 6 + 6/6)) \\
&:= 7 + ((7777 + (7 \times (7 - 77))) + 7/7) \\
&:= (8 \times ((888 + 8 + 8) + 8)) - 8/8 \\
&:= 9 \times 9 \times (9 \times 9 + 9) + ((9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7296 &:= (1+1+1) \times (1 + (11 \times ((1+1) \times 111 - 1))) \\
&:= 2 \times ((2 \times (22 - 2))^2 + 2^{22/2}) \\
&:= 3 + ((3 \times (3 \times (3^3 \times (3^3 + 3)))) + 3) \\
&:= 4 \times ((4 \times 444 + 44) + 4) \\
&:= 5 + (((5 \times 5 + 5) \times ((5 - (5+5)/5)^5)) + 5/5) \\
&:= 6 + (66 \times 666/6 - 6 \times 6) \\
&:= ((7+7)/7)^7 \times ((7/7 + 7 \times 7) + 7) \\
&:= 8 \times ((888 + 8 + 8) + 8) \\
&:= 9 + (9 \times 9 \times (9 \times 9 + 9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7297 &:= 1 + ((1+1+1) \times (1 + (11 \times ((1+1) \times 111 - 1)))) \\
&:= (22^2 - 2)/2 + ((2 \times ((2 \times 22) - 2))^2) \\
&:= ((3 \times 3 + 3/3) \times (3^{3+3} + 3/3)) - 3 \\
&:= 4/4 + ((4 \times 4 \times (444 - 4)) + 4^4) \\
&:= 5 + (((5 \times 5 + 5) \times ((5 - (5+5)/5)^5)) + ((5+5)/5)) \\
&:= 6 + ((66 \times 666/6 - 6 \times 6) + 6/6) \\
&:= 7/7 + (((7+7)/7)^7 \times ((7/7 + 7 \times 7) + 7)) \\
&:= 8/8 + (8 \times ((888 + 8 + 8) + 8)) \\
&:= 9 + (9 \times 9 \times (9 \times 9 + 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7298 &:= (1+1) \times (((1+1+1) \times (11 \times 111 - 1)) - 11) \\
&:= 22^2/2 + ((2 \times ((2 \times 22) - 2))^2) \\
&:= (3 \times ((3 \times (3^3 \times (3^3 + 3))) + 3)) - 3/3 \\
&:= 4^4 + ((4 \times 4 \times (444 - 4)) + (4 + 4)/4) \\
&:= (5+5)/5 \times (55 \times 55 + (5^5 - 5)/5) \\
&:= ((66/6) \times (666 - ((6+6)/6))) - 6 \\
&:= 77/7 + (7777 + (7 \times (7 - 77))) \\
&:= (8+8)/8 + (8 \times ((888 + 8 + 8) + 8)) \\
&:= 9 + (9 \times 9 \times (9 \times 9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7299 &:= ((11 - 1) \times (1 + (11 - 1 - 1)^{1+1+1})) - 1 \\
&:= (22^2 + 2)/2 + ((2 \times ((2 \times 22) - 2))^2) \\
&:= 3 \times ((3 \times (3^3 \times (3^3 + 3))) + 3) \\
&:= (4 \times 44 \times 44) - (444 + 4/4) \\
&:= 5 \times 5 + (((5 - 5/5)^5 + 5^5) + 5^5) \\
&:= 6 + ((66/6) \times (666 - (6 \times 6/(6+6)))) \\
&:= (7 \times ((7 \times 7 \times (7 + 7 + 7) + 7) + 7)) - (7 + 7)/7 \\
&:= 88/8 + ((8 \times ((888 + 8 + 8) + 8)) - 8) \\
&:= 9 + 9 \times 9 \times (9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7300 &:= (11 - 1) \times (1 + (11 - 1 - 1)^{1+1+1}) \\
&:= 2 \times ((2 \times (2 \times 22)^2) - 222) \\
&:= (3 \times 3 + 3/3) \times (3^{3+3} + 3/3) \\
&:= (4 \times 44 \times 44) - 444 \\
&:= 5 \times ((5 \times (5 \times 55 + 5) + 55) + 5) \\
&:= ((6+6)/6)^6 + ((6+6+6) \times (6 \times 66 + 6)) \\
&:= (7/7 + 7 \times 7) \times (7 \times (7 + 7 + 7) - 7/7) \\
&:= 88 \times 88 - 888/((8+8)/8) \\
&:= 9 + (9 \times 9 \times (9 \times 9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7301 &:= 1 + ((11 - 1) \times (1 + (11 - 1 - 1)^{1+1+1})) \\
&:= 2/2 + (2 \times ((2 \times (2 \times 22)^2) - 222)) \\
&:= 33/3 + (3 \times (3 \times (3^3 \times (3^3 + 3)))) \\
&:= 4/4 + ((4 \times 44 \times 44) - 444) \\
&:= (5/5 + 5)^5 + (5 \times ((5 \times (5 - 5 \times 5)) + 5)) \\
&:= ((66/6) \times (666 + 6/6)) - 6 \times 6 \\
&:= 7 \times ((7 \times 7 \times (7 + 7 + 7) + 7) + 7) \\
&:= (8 - 8/8) \times ((8 \times 8 \times (8 + 8) + (88/8)) + 8) \\
&:= 99/9 + 9 \times 9 \times (9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7302 &:= (1+1) \times ((11 \times ((1+1+1) \times 111 - 1)) - 1) \\
&:= 2 + (2 \times ((2 \times (2 \times 22)^2) - 222)) \\
&:= 3 + (3 \times ((3 \times (3^3 \times (3^3 + 3))) + 3)) \\
&:= (4 + 4)/4 + ((4 \times 44 \times 44) - 444) \\
&:= (5+5)/5 \times (55 \times 55 + (5^5 + 5)/5) \\
&:= 66 + ((6+6+6) \times (6 \times 66 + 6)) \\
&:= 7/7 + (7 \times ((7 \times 7 \times (7 + 7 + 7) + 7) + 7)) \\
&:= 8 + ((8 \times ((888 + 8 + 8) + 8)) - ((8+8)/8)) \\
&:= (99+9)/9 + 9 \times 9 \times (9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7303 &:= ((1+1) \times (11 \times ((1+1+1) \times 111 - 1))) - 1 \\
&:= (2 \times 2 \times 22)^2 - ((22 - 2/2)^2) \\
&:= 3 + ((3 \times 3 + 3/3) \times (3^{3+3} + 3/3)) \\
&:= 4 + ((4 \times 44 \times 44) - (444 + 4/4)) \\
&:= (((55+5)/5) \times (((5^5 - 55)/5) - 5)) - 5 \\
&:= (66 + 6/6) \times (6 \times (6 + 6 + 6) + 6/6) \\
&:= 7 + (((7+7)/7)^7 \times ((7/7 + 7 \times 7) + 7)) \\
&:= 8 + ((8 \times ((888 + 8 + 8) + 8)) - 8/8) \\
&:= 9 \times 9 \times (9 \times 9 + 9) + ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7304 &:= (1+1) \times (11 \times ((1+1+1) \times 111 - 1)) \\
&:= 2 \times (2 \times (2^{22/2} - 222)) \\
&:= (33 - 33/3) \times (333 - 3/3) \\
&:= 4 + ((4 \times 44 \times 44) - 444) \\
&:= 5 + (((5 - 5/5)^5 + 5^5) + 5^5) + 5 \times 5 \\
&:= 66/6 \times (666 - ((6+6)/6)) \\
&:= (77 - 7/7 + 7) \times (77/7 + 77) \\
&:= 8 + (8 \times ((888 + 8 + 8) + 8)) \\
&:= (((9+9)/9) + 9 \times 9) \times (99 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7305 &:= 1 + ((1+1) \times (11 \times ((1+1+1) \times 111 - 1))) \\
&:= 2 + ((2 \times 2 \times 22)^2 - ((22 - 2/2)^2)) \\
&:= 3 + ((3 \times ((3 \times (3^3 \times (3^3 + 3))) + 3)) + 3) \\
&:= 4 + (((4 \times 44 \times 44) - 444) + 4/4) \\
&:= 555 + (5 \times 5 \times (5 \times 55 - 5)) \\
&:= 6/6 + ((66/6) \times (666 - ((6+6)/6))) \\
&:= 7 + ((7777 + (7 \times (7 - 77))) + (77/7)) \\
&:= 8 + ((8 \times ((888 + 8 + 8) + 8)) + 8/8) \\
&:= 9 + ((9 \times 9 \times (9 \times 9 + 9) - ((9+9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7306 &:= (1+1) \times (1 + (11 \times ((1+1+1) \times 111 - 1))) \\
&:= 2 + (2 \times (2 \times (2^{22/2} - 222))) \\
&:= 3 + (((3 \times 3 + 3/3) \times (3^{3+3} + 3/3)) + 3) \\
&:= (4 + 4)/4 \times (((4 + 4)^4 - 444) + 4/4) \\
&:= (5 \times 5 + 5/5) \times ((5 \times 55 + 5/5) + 5) \\
&:= (6 \times ((6 \times (6 \times 6 \times 6 - (6+6))) - 6)) - (6+6)/6 \\
&:= 7777 - (((7+7)/7)^7 + 7 \times 7 \times 7) \\
&:= 8 + ((8 \times ((888 + 8 + 8) + 8)) + ((8+8)/8)) \\
&:= 9 + ((9 \times 9 \times (9 \times 9 + 9) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7307 &:= 1 + ((1+1) \times (1 + (11 \times ((1+1+1) \times 111 - 1)))) \\
&:= 2 + (((2 \times 2 \times 22)^2 - ((22 - 2/2)^2)) + 2) \\
&:= ((3/3 + 33) \times ((3+3)^3 - 3/3)) - 3 \\
&:= 4^4 + ((4 \times 4 \times (444 - 4)) + 44/4) \\
&:= 555 + ((5/5 + 5)^5 - (5 - 5/5)^5) \\
&:= (6 \times ((6 \times (6 \times 6 \times 6 - (6+6))) - 6)) - 6/6 \\
&:= 7 + ((7/7 + 7 \times 7) \times (7 \times (7 + 7 + 7) - 7/7)) \\
&:= 88/8 + (8 \times ((888 + 8 + 8) + 8)) \\
&:= 9 + ((9 \times 9 \times (9 \times 9 + 9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7308 &:= (1+11) \times ((11 \times 111 - 1)/(1+1) - 1) \\
&:= 2 \times (2 \times (2^{22/2} - 222)) + 2) \\
&:= 3 \times (((3 \times (3^3 \times (3^3 + 3))) + 3) + 3) \\
&:= ((4+4) + 4) \times ((4/4 + 4)^4 - 4 \times 4) \\
&:= ((55+5)/5) \times (((5^5 - 55)/5) - 5) \\
&:= 6 \times ((6 \times (6 \times 6 \times 6 - (6+6))) - 6) \\
&:= 7 + (7 \times ((7 \times 7 \times (7+7+7) + 7) + 7)) \\
&:= (8/8 - 88) \times (8 \times 8/(8+8) - 88) \\
&:= 9 + (9 \times 9 \times (9 \times 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7309 &:= (((11^{1+1+1+1}) - 1)/(1+1)) - 11 \\
&:= 2/2 + (2 \times ((2 \times (2^{22/2} - 222)) + 2)) \\
&:= 3 \times 3 + ((3 \times 3 + 3/3) \times (3^{3+3} + 3/3)) \\
&:= 44 + (((4 - 4/4)^{4+4}) + 4 \times 4 \times 44) \\
&:= 555 + (55/5 \times ((5^5 - 55)/5)) \\
&:= ((66/6) \times (666 - 6/6)) - 6 \\
&:= 7 + ((7 \times ((7 \times 7 \times (7+7+7) + 7) + 7)) + 7/7) \\
&:= 88 + (8 \times (888 + 8 + 8) - (88/8)) \\
&:= 9 + ((9 \times 9 \times (9 \times 9 + 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7310 &:= ((1 + (11^{1+1+1+1}))/ (1+1)) - 11 \\
&:= 2 + (2 \times ((2 \times (2^{22/2} - 222)) + 2)) \\
&:= (3/3 + 33) \times ((3+3)^3 - 3/3) \\
&:= (44 - 4/4) \times (4 \times 44 - ((4+4)/4 + 4)) \\
&:= (5+5) \times ((555 + 5^5)/5 - 5) \\
&:= 6 + ((66/6) \times (666 - ((6+6)/6))) \\
&:= 7 + (((7+7)/7)^7 \times ((7/7 + 7 \times 7) + 7) + 7) \\
&:= (88 - ((8+8)/8)) \times ((88 - 88/8) + 8) \\
&:= 9 + (9 \times 9 \times (9 \times 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7311 &:= 1 + (((1 + (11^{1+1+1+1}))/ (1+1)) - 11) \\
&:= 22/2 + (2 \times ((2 \times (2 \times 22^2) - 222)) \\
&:= ((3+3)^3 \times (3/3 + 33)) - 33 \\
&:= (44 \times (4 \times 44 - 4)) - (4/4 + 4^4) \\
&:= 5 + ((5 \times 5 + 5/5) \times ((5 \times 55 + 5/5) + 5)) \\
&:= 666/6 + ((6+6) \times (666 - 6/6)) \\
&:= 7 + ((77 - 7/7 + 7) \times (77/7 + 77)) \\
&:= 8 + (((8 \times (888 + 8 + 8) + 8) - 8/8) + 8) \\
&:= 9 + (9 \times 9 \times (9 \times 9 + 9) + (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7312 &:= 1 + (1 + (((1 + (11^{1+1+1+1}))/ (1+1)) - 11)) \\
&:= 2 \times (2 \times ((2^{22/2} - 222) + 2)) \\
&:= 3/3 + (((3+3)^3 \times (3/3 + 33)) - 33) \\
&:= (44 \times (4 \times 44 - 4)) - 4^4 \\
&:= (5^5 - 5)/(5+5) + 5 \times 5 \times (5 \times 55 + 5) \\
&:= 66 \times 666/6 - ((6+6)/6 + 6 + 6) \\
&:= 77/7 + (7 \times ((7 \times 7 \times (7+7+7) + 7) + 7)) \\
&:= 8 + ((8 \times (888 + 8 + 8) + 8) + 8) \\
&:= ((99 + 99)/9) + 9 \times 9 \times (9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7313 &:= (11 \times ((11^{1+1+1} - 1)/(1+1))) - 1 - 1 \\
&:= ((2 \times 2 \times 22 - 2/2)^2) - 2^{2 \times (2+2)} \\
&:= 3 + ((3/3 + 33) \times ((3+3)^3 - 3/3)) \\
&:= 4/4 + ((44 \times (4 \times 44 - 4)) - 4^4) \\
&:= 5 + (((55+5)/5) \times (((5^5 - 55)/5) - 5)) \\
&:= 66 \times 666/6 - (6/6 + 6 + 6) \\
&:= (777 - 7)/7 + (7 \times 7 \times 7 \times (7+7+7)) \\
&:= (888/8 - 8) \times ((8 \times 8 - 8/8) + 8) \\
&:= 9 + (((9+9)/9) + 9 \times 9) \times (99 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7314 &:= (11 \times ((11^{1+1+1} - 1)/(1+1))) - 1 \\
&:= 2 + (((2 \times ((2 \times 22) - 2))^2) + 2^{2 \times (2+2)}) \\
&:= (3 \times (3 \times ((3^3 \times (3^3 + 3)) + 3))) - 3 \\
&:= (4+4)/4 + ((44 \times (4 \times 44 - 4)) - 4^4) \\
&:= (5 - 5/5)^5 + ((5+5) \times ((5^5 - 5)/5 + 5)) \\
&:= 66 \times 666/6 - 6 - 6 \\
&:= 777/7 + (7 \times 7 \times 7 \times (7+7+7)) \\
&:= 8 + (((8 \times (888 + 8 + 8) + 8) + ((8+8)/8)) + 8) \\
&:= 9 + (((9 \times 9 \times (9 \times 9 + 9) - ((9+9+9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7315 &:= 11 \times ((11^{1+1+1} - 1)/(1+1)) \\
&:= 22/2 \times (((22 + 2 + 2)^2) - 22/2) \\
&:= 33/3 \times (3^{3+3} - ((3/3 + 3)^3)) \\
&:= 44/4 \times (((4/4 + 4)^4 - 4) + 44) \\
&:= 5 + ((5+5) \times ((555 + 5^5)/5 - 5)) \\
&:= 66/6 \times (666 - 6/6) \\
&:= 77 \times ((77/7 + 77) + 7) \\
&:= (88/8 - 88) \times (8/8 - (88 + 8)) \\
&:= 9 + (((9 \times 9 \times (9 \times 9 + 9) - ((9+9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7316 &:= 1 + (11 \times ((11^{1+1+1} - 1)/(1+1))) \\
&:= 2 \times (2 \times ((2^{22/2} - 222) + 2)) + 2 \\
&:= (3 \times (3 \times ((3^3 \times (3^3 + 3)) + 3))) - 3/3 \\
&:= 4 + ((44 \times (4 \times 44 - 4)) - 4^4) \\
&:= (5 \times 5 \times 5 - 5/5) \times (55 - 5/5 + 5) \\
&:= 6/6 + ((66/6) \times (666 - 6/6)) \\
&:= 7/7 + (77 \times ((77/7 + 77) + 7)) \\
&:= 8 + ((8/8 - 88) \times (8 \times 8/(8+8) - 88)) \\
&:= 9 + (((9 \times 9 \times (9 \times 9 + 9) - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7317 &:= 1 + (1 + (11 \times ((11^{1+1+1} - 1)/(1+1)))) \\
&:= (2/2 + 2) \times (((22 \times 222 - 2)/2) - 2) \\
&:= 3 \times (3 \times ((3^3 \times (3^3 + 3)) + 3)) \\
&:= 4 + (((44 \times (4 \times 44 - 4)) - 4^4) + 4/4) \\
&:= ((5+5)/5 + 5 \times 5) \times ((5 \times 55 - 5) + 5/5) \\
&:= (6+6)/6 + ((66/6) \times (666 - 6/6)) \\
&:= (7+7)/7 + (77 \times ((77/7 + 77) + 7)) \\
&:= (8/8 + 8) \times (888 - (88/8 + 8 \times 8)) \\
&:= 9 + ((9 \times 9 \times (9 \times 9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7318 &:= (((11^{1+1+1+1}) - 1)/(1+1)) - 1 - 1 \\
&:= (222 \times (22/2 + 22)) - 2 \times (2+2) \\
&:= 3/3 + (3 \times (3 \times ((3^3 \times (3^3 + 3)) + 3))) \\
&:= (444/4 \times ((4^4 + 4 + 4)/4)) - 4 - 4 \\
&:= 5 + (((55+5)/5) \times (((5^5 - 55)/5) - 5) + 5) \\
&:= 66 \times 666/6 - ((6+6)/6 + 6) \\
&:= 7 + (((77 - 7/7 + 7) \times (77/7 + 77)) + 7) \\
&:= (888/8 \times (((8+8)/8) + 8 \times 8)) - 8 \\
&:= 9 + (((9 \times 9 \times (9 \times 9 + 9) + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7319 &:= (((11^{1+1+1+1}) - 1)/(1+1)) - 1 \\
&:= 2 + ((2/2 + 2) \times (((22 \times 222 - 2)/2) - 2)) \\
&:= ((3^3 + 3) \times ((3^{3+3} + 3)/3)) - 3/3 \\
&:= 444 + (44/4 \times (4/4 + 4)^4) \\
&:= (5 - 5/5)^5 + ((5+5) \times (5^5/5 + 5) - 5) \\
&:= 66 \times 666/6 - 6/6 - 6 \\
&:= (777/7 \times (77 - 77/7)) - 7 \\
&:= 88 + (8 \times (888 + 8 + 8) - 8/8) \\
&:= 9 + ((9 \times 9 \times (9 \times 9 + 9) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7320 &:= ((11^{1+1+1+1}) - 1)/(1+1) \\
&:= (2/2 + 2) \times ((22 \times 222/2) - 2) \\
&:= (3^3 + 3) \times ((3^{3+3} + 3)/3) \\
&:= (44/4 + 4) \times (444 + 44) \\
&:= (55 + 5) \times ((555 + 55)/5) \\
&:= 66 \times 666/6 - 6 \\
&:= ((7+7) \times (7 \times 77 - 7)) - ((7+7)/7)^7 \\
&:= 88 + 8 \times (888 + 8 + 8) \\
&:= (9/9 + 9) \times (((9+9+9)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7321 &:= (1 + (11^{1+1+1+1}))/ (1+1) \\
&:= ((2/2 + 2) \times ((22 \times 222 - 2)/2)) - 2 \\
&:= 3/3 + ((3^3 + 3) \times ((3^{3+3} + 3)/3)) \\
&:= 4/4 + ((44/4 + 4) \times (444 + 44)) \\
&:= (555/5 \times (55/5 + 55)) - 5 \\
&:= 6 + ((66/6) \times (666 - 6/6)) \\
&:= 7 + ((7 \times 7 \times 7 \times (7+7+7)) + 777/7) \\
&:= 8/8 + (8 \times (888 + 8 + 8) + 88) \\
&:= 9 + (((99 + 99)/9) + 9 \times 9 \times (9 \times 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7322 &:= 1 + (1 + (11^{1+1+1+1}))/ (1+1) \\
&:= (222 \times (22/2 + 22)) - 2 - 2 \\
&:= (33 \times (((3+3)^3 + 3) + 3)) - (3/3 + 3) \\
&:= (444/4 \times ((4^4 + 4 + 4)/4)) - 4 \\
&:= 5 + (((5+5)/5 + 5 \times 5) \times ((5 \times 55 - 5) + 5/5)) \\
&:= (6+6)/6 + (66 \times 666/6 - 6) \\
&:= 7 + (77 \times ((77/7 + 77) + 7)) \\
&:= 88 + (8 \times (888 + 8 + 8) + ((8+8)/8)) \\
&:= 9 + (((9+9)/9) + 9 \times 9) \times (99 - (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7323 &:= 1 + (1 + ((1 + (11^{1+1+1+1}))/ (1 + 1))) \\
&:= (2/2 + 2) \times ((22 \times 222 - 2)/2) \\
&:= (33 \times (((3 + 3)^3 + 3) + 3)) - 3 \\
&:= 4 + ((44/4 \times (4/4 + 4)^4) + 444) \\
&:= 5^5 + ((5 + 5 + 5) \times (5 \times 55 + 5) - ((5 + 5)/5)) \\
&:= 66 \times 666/6 - 6 \times 6/(6 + 6) \\
&:= 7 + ((77 \times ((77/7 + 77) + 7)) + 7/7) \\
&:= 8 + ((88/8 - 88) \times (8/8 - (88 + 8))) \\
&:= 9 \times 9 \times (9 \times 9 + 9) + (99/((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7324 &:= (1 + 1) \times ((11 \times (1 + 1 + 1) \times 111) - 1) \\
&:= (222 \times (22/2 + 22)) - 2 \\
&:= 3/3 + ((33 \times (((3 + 3)^3 + 3) + 3)) - 3) \\
&:= 44 + (4 \times (4 \times 444 + 44)) \\
&:= (5 - 5/5)^5 + ((5 + 5) \times (5^5/5 + 5)) \\
&:= 66 \times 666/6 - (6 + 6)/6 \\
&:= ((7 + 7)/7) \times (7 \times 7 \times 77 - 777/7) \\
&:= ((88 - ((8 + 8)/8))^{(8+8)/8}) - (8 \times 8 + 8) \\
&:= (99 \times (((9 + 9)/9) - 9) + 9 \times 9) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7325 &:= ((1 + 1) \times (11 \times (1 + 1 + 1) \times 111)) - 1 \\
&:= (222 \times (22/2 + 22)) - 2/2 \\
&:= (33 \times (((3 + 3)^3 + 3) + 3)) - 3/3 \\
&:= 44 + ((4 \times (4 \times 444 + 44)) + 4/4) \\
&:= 5 \times (5 \times (5 \times (55 + 5) - 5) - (5 + 5)) \\
&:= 66 \times 666/6 - 6/6 \\
&:= (77/7 + 7 + 7) \times (7 \times (7 \times 7 - 7) - 7/7) \\
&:= (888/8 \times (((8 + 8)/8) + 8 \times 8)) - 8/8 \\
&:= (99 \times (((9 + 9)/9) - 9) + 9 \times 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7326 &:= (1 + 1) \times (11 \times (1 + 1 + 1) \times 111) \\
&:= 222 \times (22/2 + 22) \\
&:= 33 \times (((3 + 3)^3 + 3) + 3) \\
&:= 444/4 \times ((4^4 + 4 + 4)/4) \\
&:= 555/5 \times (55/5 + 55) \\
&:= 66 \times 666/6 \\
&:= 777/7 \times (77 - 77/7) \\
&:= 888/8 \times (((8 + 8)/8) + 8 \times 8) \\
&:= 99 \times (((9 + 9)/9) - 9) + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7327 &:= 1 + ((1 + 1) \times (11 \times (1 + 1 + 1) \times 111)) \\
&:= 2/2 + (222 \times (22/2 + 22)) \\
&:= 3/3 + (33 \times (((3 + 3)^3 + 3) + 3)) \\
&:= 4/4 + (444/4 \times ((4^4 + 4 + 4)/4)) \\
&:= 5^5 + ((5 + 5)/5 \times (5^5 - (5 - 5/5)^5)) \\
&:= 6/6 + 66 \times 666/6 \\
&:= 7 + (((7 + 7) \times (7 \times 77 - 7)) - ((7 + 7)/7)^7) \\
&:= 8 + ((8 \times (888 + 8 + 8) - 8/8) + 88) \\
&:= 9/9 + (99 \times (((9 + 9)/9) - 9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7328 &:= (1 + 1) \times (1 + (11 \times (1 + 1 + 1) \times 111)) \\
&:= 2 + (222 \times (22/2 + 22)) \\
&:= 3 + ((33 \times (((3 + 3)^3 + 3) + 3)) - 3/3) \\
&:= 4 \times (((4 \times (444 + 4)) - 4) + 44) \\
&:= 55 + (((5 - 5/5)^5 - 5/5) + 5^5) + 5^5 \\
&:= (6 + 6)/6 + 66 \times 666/6 \\
&:= 77 + ((7 \times (7 \times 7 \times (7 + 7 + 7) + 7)) - 7/7) \\
&:= 8 + (8 \times (888 + 8 + 8) + 88) \\
&:= 9 + (((9 \times 9 \times (9 \times 9 + 9) + (99/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7329 &:= (1 + 1 + 1) \times (1 + ((1 + 1) \times 11 \times 111)) \\
&:= (2/2 + 2) \times ((22 \times 222 + 2)/2) \\
&:= 3 + (33 \times (((3 + 3)^3 + 3) + 3)) \\
&:= 4 \times 4^4 + (((4 - 4/4)^{4+4}) - 4^4) \\
&:= 55 + (((5 - 5/5)^5 + 5^5) + 5^5) \\
&:= (6 \times 6/(6 + 6)) + 66 \times 666/6 \\
&:= 77 + (7 \times (7 \times 7 \times (7 + 7 + 7) + 7)) \\
&:= 8 \times (88 + 8) + (88/8 - 8)^8 \\
&:= 9 + (9 \times (9 \times (9 \times 9 + 9) - 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7330 &:= 1 + ((1 + 1 + 1) \times (1 + ((1 + 1) \times 11 \times 111))) \\
&:= 2 + (222 \times (22/2 + 22)) + 2 \\
&:= 3 + ((33 \times (((3 + 3)^3 + 3) + 3)) + 3/3) \\
&:= 4 + (444/4 \times ((4^4 + 4 + 4)/4)) \\
&:= 5 + ((5 + 5 + 5) \times (5 \times 55 + 5) + 5^5) \\
&:= 6 + (66 \times 666/6 - ((6 + 6)/6)) \\
&:= 7/7 + ((7 \times (7 \times 7 \times (7 + 7 + 7) + 7)) + 77) \\
&:= 8/8 + ((88/8 - 8)^8 + 8 \times (88 + 8)) \\
&:= (9/9 + 9) \times (((9 \times 9 - 9)/9 + 9)) + 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7331 &:= 11 + (((11^{1+1+1+1}) - 1)/(1 + 1)) \\
&:= 2 + ((2/2 + 2) \times ((22 \times 222 + 2)/2)) \\
&:= 3 + (((33 \times (((3 + 3)^3 + 3) + 3)) - 3/3) + 3) \\
&:= ((4 - 4/4) \times (((4 - 4/4) + 4)^4) + 44) - 4 \\
&:= 5 + (555/5 \times (55/5 + 55)) \\
&:= 6 + (66 \times 666/6 - 6/6) \\
&:= ((7 + 7)/7)^7 + (7 \times 7 \times 7 \times (7 + 7 + 7)) \\
&:= 88 + (8 \times (888 + 8 + 8) + (88/8)) \\
&:= 9 \times 9 \times (9 \times 9 + 9) + ((9 \times 9 \times 9 + 9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7332 &:= 11 + ((1 + (11^{1+1+1+1}))/ (1 + 1)) \\
&:= (2/2 + 2) \times ((22 \times 222/2) + 2) \\
&:= 3 + ((33 \times (((3 + 3)^3 + 3) + 3)) + 3) \\
&:= 4 + ((4 \times (4 \times 444 - (4 + 4))) + 4^4) \\
&:= (5/5 + 5) \times (((55 \times 555/5) + 5)/5) \\
&:= 6 + 66 \times 666/6 \\
&:= (7 - 7/7) \times ((77 \times 777/7 + 7)/7) \\
&:= ((88 - ((8 + 8)/8))^{(8+8)/8}) - 8 \times 8 \\
&:= (99 + 9)/9 \times (((9 + 9)/9)^9) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7333 &:= 1 + (11 + ((1 + (11^{1+1+1+1}))/ (1 + 1))) \\
&:= 2 \times 222 + (((2/2 + 2)^{2+2} + 2)^2) \\
&:= ((3 + 3)^3 \times (3/3 + 33)) - 33/3 \\
&:= 4 + (((4 - 4/4)^{4+4}) - 4^4) + 4 \times 4^4 \\
&:= 5 \times 5 + (((55 + 5)/5) \times (((5^5 - 55)/5) - 5)) \\
&:= 6 + (66 \times 666/6 + 6/6) \\
&:= 7 + (777/7 \times (77 - 77/7)) \\
&:= 8 + ((888/8 \times (((8 + 8)/8) + 8 \times 8)) - 8/8) \\
&:= ((9 - 9/9) \times (999 - 9 \times 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7334 &:= (1 + 1) \times (1 + ((1 + 1 + 1) \times (1 + 11 \times 111))) \\
&:= 2 + ((2/2 + 2) \times ((22 \times 222/2) + 2)) \\
&:= 3 \times 3 + ((33 \times (((3 + 3)^3 + 3) + 3)) - 3/3) \\
&:= 4 + ((444/4 \times ((4^4 + 4 + 4)/4)) + 4) \\
&:= 5 + (((5 - 5/5)^5 + 5^5) + 5^5) + 55 \\
&:= 6 + (66 \times 666/6 + ((6 + 6)/6)) \\
&:= 7 + (((7 + 7) \times (7 \times 77 - 7)) - ((7 + 7)/7)^7) + 7 \\
&:= 8 + (888/8 \times (((8 + 8)/8) + 8 \times 8)) \\
&:= 9 + (99 \times (((9 + 9)/9) - 9) + 9 \times 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7335 &:= (1 + 1 + 1) \times (1 + ((1 + 1) \times (1 + 11 \times 111))) \\
&:= (2/2 + 2) \times (((22 \times 222 + 2)/2) + 2) \\
&:= 3 \times ((3^3 - 3) \times (3 \times 33 + 3)) - 3 \\
&:= (4 - 4/4) \times (((4 - 4/4) + 4)^4) + 44 \\
&:= 55 + ((5 \times 5 + 5/5) \times (5 \times 55 + 5)) \\
&:= 6 + (66 \times 666/6 + (6 \times 6/(6 + 6))) \\
&:= (7/7 + 7 + 7) \times (7 \times (77 - 7) - 7/7) \\
&:= (8/8 + 8) \times (888/8 + 8 \times 88) \\
&:= 9 + (99 \times (((9 + 9)/9) - 9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7336 &:= ((11 \times (1 + 11)) - 1) \times (1 + 111)/(1 + 1) \\
&:= 2 \times ((2^{2+2} - 2) \times (22^2 - 222)) \\
&:= 3 + (((3 + 3)^3 \times (3/3 + 33)) - 33/3) \\
&:= 4^4 + ((44 - 4) \times (4 \times 44 + 4/4)) \\
&:= (55 + 5/5) \times ((5 \times 5 \times 5 + 5/5) + 5) \\
&:= ((66 - 6)/6) + 66 \times 666/6 \\
&:= (7 + 7) \times (7 \times 77 - (7/7 + 7 + 7)) \\
&:= 8 + ((8 \times (888 + 8 + 8) + 88) + 8) \\
&:= (9 - 9/9) \times (999 - (9/9 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7337 &:= 11 \times (1 + (1 + 1) \times (1 + 1 + 1) \times 111) \\
&:= 22/2 + (222 \times (22/2 + 22)) \\
&:= 33/3 + (33 \times (((3 + 3)^3 + 3) + 3)) \\
&:= 44/4 \times (4444/4 - 444) \\
&:= 55/5 \times ((555 + 5)/5 + 555) \\
&:= 66/6 \times (666 + 6/6) \\
&:= 77/7 \times (((7 + 7)/7)^7 + 7 \times 77) \\
&:= 8 + ((88/8 - 8)^8 + 8 \times (88 + 8)) \\
&:= 99/9 + (99 \times (((9 + 9)/9) - 9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7338 &:= 1 + (11 \times (1 + (1 + 1) \times (1 + 1 + 1) \times 111)) \\
&:= (2/2 + 2) \times (((22 \times 222/2) + 2) + 2) \\
&:= ((3 + 3)^3 \times (3/3 + 33)) - 3 - 3 \\
&:= 4 + (((444/4 \times ((4^4 + 4 + 4)/4)) + 4) + 4) \\
&:= (5 + 5)/5 \times ((555 - (55/5)) + 5^5) \\
&:= 6 + (66 \times 666/6 + 6) \\
&:= 777 + (((7 + 7 + 7)/7)^{7+7/7}) \\
&:= 88 \times (88 + 8) + ((8 - 8888)/8) \\
&:= 99 + (99 \times (9 \times 9 - 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7343 &:= 11 + (11 + ((1 + (11^{1+1+1+1}))/ (1 + 1))) \\
&:= 22^2 + ((22 - (2/2 + 2))^{2/2+2}) \\
&:= ((3 + 3)^3 \times (3/3 + 33)) - 3/3 \\
&:= 4^4 + ((4 \times (4 \times 444 - 4)) - 4/4) \\
&:= ((5 + 5)/5 + 5) \times ((5 - 5/5)^5 + 5 \times 5) \\
&:= 6 + ((66/6) \times (666 + 6/6)) \\
&:= ((7 + 7) \times (7 \times 77 - (7 + 7))) - 7 \\
&:= 888/8 + 8 \times (888 + 8 + 8) \\
&:= ((9 - 9/9) \times (999 - 9 \times 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7348 &:= (1 + 1) \times (11 \times (1 + (1 + 1 + 1) \times 111)) \\
&:= 2 \times (22 \times (((22/2 + 2)^2) - 2)) \\
&:= 3 + (((3 + 3)^3 \times (3/3 + 33)) + 3/3) \\
&:= 4 + ((4 \times (4 \times 444 - 4)) + 4^4) \\
&:= 5 + (((5 + 5)/5 + 5) \times ((5 - 5/5)^5 + 5 \times 5)) \\
&:= 66/6 \times (666 + (6 + 6)/6) \\
&:= ((7 + 7) \times (7 \times 77 - (7 + 7))) - (7 + 7)/7 \\
&:= 88 \times 88 - (88 \times (8 \times 8 + 8)/(8 + 8)) \\
&:= 99/9 \times ((9 \times (9 \times 9 - 9) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7339 &:= 1 + (1 + (11 \times (1 + (1 + 1) \times (1 + 1 + 1) \times 111))) \\
&:= 2 + ((222 \times (22/2 + 22)) + 22/2) \\
&:= 3/3 + (((3 + 3)^3 \times (3/3 + 33)) - (3 + 3)) \\
&:= 4 + ((4 - 4/4) \times (((4 - 4/4) + 4)^4 + 44)) \\
&:= (5 \times (5 \times (5 \times (55 + 5) - 5) - 5)) - 55/5 \\
&:= 6 + ((66 \times 666/6 + 6/6) + 6) \\
&:= ((7 + 7) \times (7 \times 77 - (7 + 7))) - 77/7 \\
&:= 8 + ((8 \times (888 + 8 + 8) + (88/8)) + 88) \\
&:= 9 \times 9 \times (9 \times 9 + 9) + ((9 \times 99 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7344 &:= (1 + 11) \times (1 + (1 + 11 \times 111)/(1 + 1)) \\
&:= (2 \times 2 \times 22)^2 - (22 - 2)^2 \\
&:= (3 + 3)^3 \times (3/3 + 33) \\
&:= 4 \times ((4 \times (444 + 4)) + 44) \\
&:= (55 - 5/5) \times (555/5 + 5 \times 5) \\
&:= 6 \times (6 \times (6 \times 6 \times 6 - (6 + 6))) \\
&:= 7/7 + (((7 + 7) \times (7 \times 77 - (7 + 7))) - 7) \\
&:= 88 + (8 \times (888 + 8) + 88) \\
&:= (9 - 9/9) \times (999 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7349 &:= 1 + ((1 + 1) \times (11 \times (1 + (1 + 1 + 1) \times 111))) \\
&:= 2 + (((2 \times 2 \times 22 - 2/2)^2) - 222) \\
&:= 3 + (((3 + 3)^3 \times (3/3 + 33)) - 3/3 + 3) \\
&:= 4^4 + 4 \times (4 \times 444) - 44/4 \\
&:= (5 \times (5 \times (5 \times (55 + 5) - 5) - 5)) - 5/5 \\
&:= 6 + (((66/6) \times (666 + 6/6)) + 6) \\
&:= ((7 + 7) \times (7 \times 77 - (7 + 7))) - 7/7 \\
&:= 8 \times 888 + ((8 + 8) \times (8 + 8) - (88/8)) \\
&:= (9 \times (9 \times (9 \times 9 + 9) + 9)) - ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7340 &:= 11 + ((1 + 1 + 1) \times (1 + ((1 + 1) \times 11 \times 111))) \\
&:= 2 \times (22 \times (((22/2 + 2)^2) - 2)) - (2 + 2) \\
&:= ((3 + 3)^3 \times (3/3 + 33)) - (3/3 + 3) \\
&:= 4^4 + ((4 \times (4 \times 444 - 4)) - 4) \\
&:= 5 \times ((5 \times 5 \times (55 + 5)) - ((5 + 5)/5)^5) \\
&:= 6 + ((66 \times 666/6 + ((6 + 6)/6)) + 6) \\
&:= 7 + (((777/7 \times (77 - 77/7)) + 7) \\
&:= 8 + (((88 - ((8 + 8)/8))^{(8+8)/8}) - 8 \times 8) \\
&:= (9/9 + 9) \times (((9 \times 9 + 9)/(9 + 9)) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7345 &:= 1 + ((1 + 11) \times (1 + (1 + 11 \times 111)/(1 + 1))) \\
&:= 2/2 + ((2 \times 2 \times 22)^2 - (22 - 2)^2) \\
&:= 3/3 + (((3 + 3)^3 \times (3/3 + 33)) \\
&:= 4/4 + ((4 \times (4 \times 444 - 4)) + 4^4) \\
&:= (5 \times (5 \times (5 \times (55 + 5) - 5) - 5)) - 5 \\
&:= 6/6 + 6 \times 6 \times (6 \times 6 \times 6 - 6 - 6) \\
&:= 7 + (((7 + 7 + 7)/7)^{7+7/7}) + 777 \\
&:= (8/8 + 8 \times 8) \times ((888 + 8 + 8)/8) \\
&:= 9/9 + ((9 - 9/9) \times (999 - 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7350 &:= (1 + 1) \times (1 + (11 \times (1 + (1 + 1 + 1) \times 111))) \\
&:= 2 + (2 \times (22 \times (((22/2 + 2)^2) - 2))) \\
&:= 3 + (((3 + 3)^3 \times (3/3 + 33)) + 3) \\
&:= (44 - (4 + 4)/4) \times (4 \times 44 - 4/4) \\
&:= 5 \times (5 \times (5 \times (55 + 5) - 5) - 5) \\
&:= 6 + 6 \times 6 \times (6 \times 6 \times 6 - 6 - 6) \\
&:= (7 + 7) \times (7 \times 77 - (7 + 7)) \\
&:= (88/8 + 8 \times 8) \times (((8 + 8)/8 + 88) + 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 99) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7341 &:= (1 + 1 + 1) \times (1 + ((1 + 1) \times (1 + (1 + 11 \times 111)))) \\
&:= 22^2 + (((22 - (2/2 + 2))^{2/2+2}) - 2) \\
&:= ((3 + 3)^3 \times (3/3 + 33)) - 3 \\
&:= 4/4 + (((4 \times (4 \times 444 - 4)) - 4) + 4^4) \\
&:= 5 + ((55 + 5/5) \times ((5 \times 5 \times 5 + 5/5) + 5)) \\
&:= 6 \times 6 \times (6 \times 6 \times 6 - 6 - 6) - 6 \times 6/(6 + 6) \\
&:= (7 \times 77 \times (7 + 7)) - (((7 + 7)/7)^7 + 77) \\
&:= 8 \times 888 + ((8 + 8) \times (8 + 8) - (88/8 + 8)) \\
&:= 9 \times (9 \times 9 \times 9 + 99) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7346 &:= (1 + 1) \times ((11 \times (1 + (1 + 1 + 1) \times 111)) - 1) \\
&:= 2 + ((2 \times 2 \times 22)^2 - (22 - 2)^2) \\
&:= 3 + (((3 + 3)^3 \times (3/3 + 33)) - 3/3) \\
&:= 4^4 + ((4 \times (4 \times 444 - 4)) + (4 + 4)/4) \\
&:= 5 \times 5 \times 5 + ((5/5 + 5)^5 - 555) \\
&:= (6 + 6)/6 + 6 \times 6 \times (6 \times 6 \times 6 - 6 - 6) \\
&:= 7 + (((7 + 7) \times (7 \times 77 - (7 + 7))) - (77/7)) \\
&:= 8 + (((8 - 8888)/8) + 88 \times (88 + 8)) \\
&:= (9 + 9)/9 + ((9 - 9/9) \times (999 - 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7351 &:= 1 + ((1 + 1) \times (1 + (11 \times (1 + (1 + 1 + 1) \times 111)))) \\
&:= ((2 \times 2 \times 22 - 2)^2) - (2 \times 22 + 2/2) \\
&:= 3 + (((3 + 3)^3 \times (3/3 + 33)) + 3/3 + 3) \\
&:= 4^4 + (4 \times 4 \times 444) - (4/4 + 4 + 4) \\
&:= 5/5 + (5 \times (5 \times (5 \times (55 + 5) - 5) - 5)) \\
&:= 6 + (6 \times 6 \times (6 \times 6 \times 6 - 6 - 6) + 6/6) \\
&:= 7/7 + ((7 + 7) \times (7 \times 77 - (7 + 7))) \\
&:= 8 + (8 \times (888 + 8 + 8) + 888/8) \\
&:= (9 \times (9 \times (9 \times 9 + 9) + 9)) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7342 &:= 11 + (11 + (((11^{1+1+1+1}) - 1)/(1 + 1))) \\
&:= (2 \times 2 \times 22)^2 - ((22 - 2)^2 + 2) \\
&:= 3/3 + (((3 + 3)^3 \times (3/3 + 33)) - 3) \\
&:= 4 \times 4 + (444/4 \times ((4^4 + 4 + 4)/4)) \\
&:= 5 + (55/5 \times ((555 + 5)/5 + 555)) \\
&:= 6 \times 6 \times (6 \times 6 \times 6 - 6 - 6) - (6 + 6)/6 \\
&:= ((7 + 7) \times (7 \times 77 - (7 + 7))) - (7/7 + 7) \\
&:= 8 + ((888/8 \times ((8 + 8)/8) + 8 \times 8) + 8) \\
&:= ((9 - 999)/9) + 9 \times (9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7347 &:= ((1 + 1) \times (11 \times (1 + (1 + 1 + 1) \times 111))) - 1 \\
&:= ((2 \times 2 \times 22 - 2/2)^2) - 222 \\
&:= 3 + ((3 + 3)^3 \times (3/3 + 33)) \\
&:= 4 + (((4 \times (4 \times 444 - 4)) - 4/4) + 4^4) \\
&:= 5/5 + (((5/5 + 5)^5 - 555) + 5 \times 5 \times 5) \\
&:= 666/6 + ((6 + 6 + 6) \times (6 \times 66 + 6)) \\
&:= ((7 + 7 + 7)/7) \times (7 \times (7 \times 7 \times 7 + 7) - 7/7) \\
&:= 8 \times 888 + ((8/8 + 8) \times (88/8 + 8 + 8)) \\
&:= (9 \times 9 - ((9 + 9)/9)) \times ((99 + 9)/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7352 &:= (1 + 1) \times (1 + (1 + (11 \times (1 + (1 + 1 + 1) \times 111)))) \\
&:= ((2 \times 2 \times 22 - 2)^2) - (2 \times 22) \\
&:= (((33/3 + 3 \times 3)^3) - 3 \times (3 + 3)^3) \\
&:= 4^4 + (4 \times 4 \times 444) - (4 + 4) \\
&:= (5 + 5)/5 + (5 \times (5 \times (5 \times (55 + 5) - 5) - 5)) \\
&:= 6 + (6 \times 6 \times (6 \times 6 \times 6 - 6 - 6) + ((6 + 6)/6)) \\
&:= (7 + 7)/7 + ((7 + 7) \times (7 \times 77 - (7 + 7))) \\
&:= 8 \times 888 + ((8 + 8) \times (8 + 8) - 8) \\
&:= (9 - 9/9) \times ((999 - 9 \times 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7353 &:= (1+1+1) \times (11 + ((1+1) \times (11 \times 111 - 1))) \\
&:= 2/2 + (((2 \times 2 \times 22 - 2)^2) - (2 \times 22)) \\
&:= 3 \times (((3^3 - 3) \times (3 \times 33 + 3)) + 3) \\
&:= (44 - 4/4) \times (4 \times 44 - (4/4 + 4)) \\
&:= ((5+5)/5 + 55) \times ((5 \times 5 \times 5 - 5/5) + 5) \\
&:= ((66/6) \times ((6 \times 6/(6+6))^6)) - 666 \\
&:= (7+7+7)/7 + ((7+7) \times (7 \times 77 - (7+7))) \\
&:= 88 + ((88/8 - 8)^8 + 8 \times 88) \\
&:= (9 \times (9 \times (9 \times 9 + 9) + 9)) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7358 &:= (11 \times ((1+1+1) \times (1 + (1+1) \times 111))) - 1 \\
&:= (2^{2+2} \times (22^2 - (22+2))) - 2 \\
&:= 3 + (((3+3)^3 \times (3/3 + 33)) + 33/3) \\
&:= 4^4 + (4 \times 4 \times 444) - (4+4)/4 \\
&:= (5+5)/5 \times ((555 - 5/5) + 5^5) \\
&:= ((66+6/6) \times ((666 - 6)/6)) - 6 - 6 \\
&:= 7 + (((7+7) \times (7 \times 77 - (7+7))) + 7/7) \\
&:= 8 \times 888 + ((8+8) \times (8+8) - ((8+8)/8)) \\
&:= (9 \times (9 \times (9 \times 9 + 9) + 9)) - (99+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7363 &:= 1 + ((1+1+1) \times (1 + (11 \times (1 + (1+1) \times 111)))) \\
&:= ((2 \times 2 \times 22 - 2)^2) - (22/2 + 22) \\
&:= (3 \times 33 \times 33) + (3/3 + 3)^{3+3} \\
&:= 4 + (4 \times 4 \times 444) - 4/4 + 4^4 \\
&:= (((55+5)/5) \times ((5^5 - 55)/5)) - 5 \\
&:= 6 \times 6 + (66 \times 666/6 + 6/6) \\
&:= 7 + (((7+7) \times (7 \times 77 - (7+7))) - 7/7) + 7 \\
&:= ((8/8 - 8 \times 8) \times (88/8 - 8 \times (8+8))) - 8 \\
&:= 9/9 + ((9 \times (9 \times (9 \times 9 + 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7354 &:= (1+1) \times (11 + ((1+1+1) \times (1 + 11 \times 111))) \\
&:= 2 + (((2 \times 2 \times 22 - 2)^2) - (2 \times 22)) \\
&:= 3^3 + ((33 \times (((3+3)^3 + 3) + 3)) + 3/3) \\
&:= 4 + ((44 - (4+4)/4) \times (4 \times 44 - 4/4)) \\
&:= 5 + ((5 \times (5 \times (5 \times (55+5) - 5) - 5)) - 5/5) \\
&:= 6 + ((66/6) \times (666 + (6+6)/6)) \\
&:= 77/7 + (((7+7) \times (7 \times 77 - (7+7))) - 7) \\
&:= 8/8 + (((88/8 - 8)^8 + 8 \times 88) + 88) \\
&:= 9/9 + ((9 \times (9 \times (9 \times 9 + 9) + 9)) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7359 &:= 11 \times ((1+1+1) \times (1 + (1+1) \times 111)) \\
&:= (22/2 + 22) \times (222 + 2/2) \\
&:= 33 + (33 \times (((3+3)^3 + 3) + 3)) \\
&:= 4^4 + (4 \times 4 \times 444) - 4/4 \\
&:= 55/5 \times (((5^5 - 55)/5) + 55) \\
&:= 66/6 \times ((6 \times 6/(6+6)) + 666) \\
&:= 7 + (((7+7) \times (7 \times 77 - (7+7))) + ((7+7)/7)) \\
&:= 8 \times 888 + ((8+8) \times (8+8) - 8/8) \\
&:= (9 \times (9 \times (9 \times 9 + 9) + 9)) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7364 &:= 11 \times 111 + (((1+1+1) \times (1+1)^{11}) - 1) \\
&:= (2^{2+2} - 2) \times ((22 \times (22+2)) - 2) \\
&:= (3^3 + 3/3) \times (((33 \times (3^3 - 3)) - 3)/3) \\
&:= 4 + (4 \times 4 \times 444) + 4^4 \\
&:= (5 \times 5 \times (5 \times (55+5) - 5)) - 55/5 \\
&:= ((66+6/6) \times ((666 - 6)/6)) - 6 \\
&:= 7 + (((7+7) \times (7 \times 77 - (7+7))) + 7) \\
&:= 8 \times 888 + ((8 \times 8 \times 8 + 8)/(8+8)/8) \\
&:= (9+9)/9 + ((9 \times (9 \times (9 \times 9 + 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7355 &:= ((1+1+1) \times ((11 \times (1 + (1+1) \times 111)) - 1)) - 1 \\
&:= 2 + (((2 \times 2 \times 22 - 2)^2) - (2 \times 22)) + 2/2 \\
&:= 33/3 + ((3+3)^3 \times (3/3 + 33)) \\
&:= 4^4 + (4 \times 4 \times 444) - (4/4 + 4) \\
&:= 5 + (5 \times (5 \times (5 \times (55+5) - 5) - 5)) \\
&:= 66/6 + 6 \times 6 \times (6 \times 6 \times 6 - 6 - 6) \\
&:= 7 + (((7+7) \times (7 \times 77 - (7+7))) - ((7+7)/7)) \\
&:= 88 + ((8 \times (888 + 8) + (88/8)) + 88) \\
&:= (9+9)/9 + ((9 \times (9 \times (9 \times 9 + 9) + 9)) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7360 &:= 1 + (11 \times ((1+1+1) \times (1 + (1+1) \times 111))) \\
&:= 2^{2+2} \times (22^2 - (22+2)) \\
&:= ((3/3 + 3)^3) \times (((333 + 3)/3) + 3) \\
&:= 4 \times (4 \times (444 + 4 \times 4)) \\
&:= (5+5) \times (555 + 5^5)/5 \\
&:= 6 + (((66/6) \times (666 + (6+6)/6)) + 6) \\
&:= ((77 - 7)/7) + ((7+7) \times (7 \times 77 - (7+7))) \\
&:= 8 \times ((888 + 8 + 8) + 8) + 8 \\
&:= (9 \times 9 - 9/9) \times ((99/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7365 &:= 11 \times 111 + ((1+1+1) \times (1+1)^{11}) \\
&:= 2 + (((2 \times 2 \times 22 - 2)^2) - (22/2 + 22)) \\
&:= 3 + ((33 \times ((3+3)^3 - 3)) + 333) \\
&:= 4 + 4 \times 4 \times 444 + 4^4 + 4/4 \\
&:= 5 + ((5+5) \times (555 + 5^5)/5) \\
&:= 6 + ((66/6) \times ((6 \times 6/(6+6)) + 666)) \\
&:= (7/7 + 7 + 7) \times (7 \times (77 - 7) + 7/7) \\
&:= 8 \times 8 \times 8 + ((8/8 + 88) \times (88 - 88/8)) \\
&:= ((9+9+9)/9) + ((9 \times (9 \times (9 \times 9 + 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7356 &:= (1+1+1) \times ((11 \times (1 + (1+1) \times 111)) - 1) \\
&:= (2 \times (2 - 22)) + ((2 \times 2 \times 22 - 2)^2) \\
&:= 3 + (((3+3)^3 \times (3/3 + 33)) + 3 \times 3) \\
&:= 4^4 + (4 \times 4 \times 444) - 4 \\
&:= 5^5 + ((5555/5 - 5) + 5^5) \\
&:= 6 + (6 \times 6 \times (6 \times 6 \times 6 - 6 - 6) + 6) \\
&:= 7 + (((7+7) \times (7 \times 77 - (7+7))) - 7/7) \\
&:= 8 \times 888 + ((8 \times 8 \times 8 - 8)/(8+8)/8) \\
&:= 9 + ((9 \times 9 - (9+9)/9) \times ((99+9)/9 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7361 &:= 1 + (1 + (11 \times ((1+1+1) \times (1 + (1+1) \times 111)))) \\
&:= 2 + ((22/2 + 22) \times (222 + 2/2)) \\
&:= 333 + ((33 \times ((3+3)^3 - 3)) - 3/3) \\
&:= 4/4 + (4 \times 4 \times 444) + 4^4 \\
&:= 5^5 + (5555/5 + 5^5) \\
&:= 6 \times 6 + (66 \times 666/6 - 6/6) \\
&:= 77/7 + ((7+7) \times (7 \times 77 - (7+7))) \\
&:= 8/8 + (8 \times 888 + (8+8) \times (8+8)) \\
&:= (9 \times (9 \times (9 \times 9 + 9) + 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7366 &:= 1 + (11 \times 111 + ((1+1+1) \times (1+1)^{11})) \\
&:= 2 + ((2^{2+2} - 2) \times ((22 \times (22+2)) - 2)) \\
&:= 3 + ((3 \times 33 \times 33) + (3/3 + 3)^{3+3}) \\
&:= 4 + 4 \times 4 \times 444 + (4+4)/4 + 4^4 \\
&:= 5 + ((5555/5 + 5^5) + 5^5) \\
&:= 6 + (((66/6) \times (666 + (6+6)/6)) + 6) + 6 \\
&:= 7777 + (((7+7)/7)^7 - 7 \times 77) \\
&:= (8 \times (8+8) - 8/8) \times (((8+8)/8) - 8) + 8 \times 8 \\
&:= ((9 - 99)/(9+9)) + (9 \times (9 \times (9 \times 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7357 &:= 1 + ((1+1+1) \times ((11 \times (1 + (1+1) \times 111)) - 1)) \\
&:= ((22/2 + 22) \times (222 + 2/2)) - 2 \\
&:= (((3/3 + 3)^3) \times (((333 + 3)/3) + 3)) - 3 \\
&:= 4/4 + (4 \times 4 \times 444) - 4 + 4^4 \\
&:= 5^5 + (((5555 + 5)/5 - 5) + 5^5) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 \times 6 - 6 - 6) + 6/6) + 6) \\
&:= 7 + ((7+7) \times (7 \times 77 - (7+7))) \\
&:= 8 + ((8 \times 888 - (88/8)) + (8+8) \times (8+8)) \\
&:= 9 + (99 \times (9 \times 9 - 9 - 9) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7362 &:= (1+1+1) \times (1 + (11 \times (1 + (1+1) \times 111))) \\
&:= 2 + (2^{2+2} \times (22^2 - (22+2))) \\
&:= 3 \times (((3 \times 3 + 3)^3 - 3) + 3^{3+3}) \\
&:= 4^4 + (4 \times 4 \times 444) + (4+4)/4 \\
&:= 5^5 + ((5555 + 5)/5 + 5^5) \\
&:= 6 \times 6 + 66 \times 666/6 \\
&:= (77 + 7)/7 + ((7+7) \times (7 \times 77 - (7+7))) \\
&:= (8+8)/8 + (8 \times 888 + (8+8) \times (8+8)) \\
&:= (9 \times (9 \times (9 \times 9 + 9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7367 &:= 1 + (1 + (11 \times 111 + ((1+1+1) \times (1+1)^{11}))) \\
&:= 2 \times 22^2 + (((2 \times 2 \times (22 - 2))^2) - 2/2) \\
&:= (33 \times (3+3)^3) + (((3^{3+3} - 3)/3) - 3) \\
&:= 4 + 4 \times 4 \times 444 - 4/4 + 4^4 + 4 \\
&:= 5 + (((5555 + 5)/5 + 5^5) + 5^5) \\
&:= 6 + ((66 \times 666/6 - 6/6) + 6 \times 6) \\
&:= 7 + (((7+7) \times (7 \times 77 - (7+7))) + ((77 - 7)/7)) \\
&:= 8 + ((8 \times 888 - 8/8) + (8+8) \times (8+8)) \\
&:= ((9 - 9 \times 9)/(9+9)) + (9 \times (9 \times (9 \times 9 + 9) + 9))
\end{aligned}$$

- ▶ **7368** := $(1+1) \times ((11 \times (1+(1+(1+1+1) \times 111))) - 1)$
:= $2 \times ((2 \times (2 \times (22-2))^2) + 22^2)$
:= $3 \times ((3 \times 3 + 3)^3 + 3^{3+3}) - 3$
:= $4 + 4 \times 4 \times 444 + 4^4 + 4$
:= $((55+5)/5) \times ((5^5 - 55)/5)$
:= $6 + (66 \times 666/6 + 6 \times 6)$
:= $7 + (((7+7) \times (7 \times 77 - (7+7))) + (77/7))$
:= $8 + (8 \times 888 + (8+8) \times (8+8))$
:= $(9 \times (9 \times (9 \times 9 + 9) + 9)) - (9+9+9)/9$
- ▶ **7369** := $((1+1) \times (11 \times (1+(1+(1+1+1) \times 111)))) - 1$
:= $22 + (((2 \times 2 \times 22 - 2/2)^2) - 222)$
:= $3/3 + ((3 \times ((3 \times 3 + 3)^3 + 3^{3+3})) - 3)$
:= $4 + 4 \times 4 \times 444 + 4^4 + 4/4 + 4$
:= $(5 \times 5 \times (5 \times (55+5) - 5)) - (5/5 + 5)$
:= $(6^{6-6/6}) - (6 \times 66 + (66/6))$
:= $(7 \times (77 \times (7+7) - 7)) - ((7+7)/7)^7$
:= $8 + ((8 \times 888 + (8+8) \times (8+8)) + 8/8)$
:= $(9 \times (9 \times (9 \times 9 + 9) + 9)) - (9+9)/9$
- ▶ **7370** := $(1+1) \times (11 \times (1+(1+(1+1+1) \times 111)))$
:= $22 \times ((222/2 + 222) + 2)$
:= $(33 \times (3+3)^3) + ((3^{3+3} - 3)/3)$
:= $((4^4 - 4)/4 + 4) \times (444 - 4)/4$
:= $(5 \times 5 \times (5 \times (55+5) - 5)) - 5$
:= $(66 + 6/6) \times ((666 - 6)/6)$
:= $((7+7) \times (7 \times 77 - 7)) - 7/7 - 77$
:= $(888 - 8)/8 \times ((88/8 - 8) + 8 \times 8)$
:= $(9 \times (9 \times (9 \times 9 + 9) + 9)) - 9/9$
- ▶ **7371** := $1 + ((1+1) \times (11 \times (1+(1+(1+1+1) \times 111))))$
:= $22^2 + (((2/2 + 2)^{2+2} + 2)^2) - 2$
:= $3 \times ((3 \times 3 + 3)^3 + 3^{3+3})$
:= $4^4 + (4 \times 4 \times 444) + 44/4$
:= $5/5 + ((5 \times 5 \times (5 \times (55+5) - 5)) - 5)$
:= $((66 + 6/6) \times 666/6) - 66$
:= $((7+7) \times (7 \times 77 - 7)) - 77$
:= $(8/8 - 8 \times 8) \times (88/8 - 8 \times (8+8))$
:= $9 \times (9 \times (9 \times 9 + 9) + 9)$
- ▶ **7372** := $(1+1)^{11} + (11 \times ((11+11)^{1+1}))$
:= $((2 \times 2 \times 22 - 2)^2) - 22 - 2$
:= $3/3 + (3 \times ((3 \times 3 + 3)^3 + 3^{3+3}))$
:= $4^4 + ((4 \times (4 \times 444 + 4)) - 4)$
:= $5^5 + (((5555 + 55)/5) + 5^5)$
:= $(6^{6-6/6}) - (((6+6)/6) + 6 \times 66) + 6$
:= $(7/7 - 77) \times (7/7 - 7 \times (7+7))$
:= $((8/8 + 88) + 8) \times (((88+8)/8) + 8 \times 8)$
:= $9/9 + (9 \times (9 \times (9 \times 9 + 9) + 9))$
- ▶ **7373** := $1 + ((1+1)^{11} + (11 \times ((11+11)^{1+1})))$
:= $22^2 + (((2/2 + 2)^{2+2} + 2)^2)$
:= $3 + ((33 \times (3+3)^3) + ((3^{3+3} - 3)/3))$
:= $4/4 + (((4 \times (4 \times 444 + 4)) - 4) + 4^4)$
:= $5 + (((55+5)/5) \times ((5^5 - 55)/5))$
:= $6 \times 6 + ((66/6) \times (666 + 6/6))$
:= $7/7 + ((7/7 - 77) \times (7/7 - 7 \times (7+7)))$
:= $((8/8 + 8 \times 8) + 8) \times (8888/88)$
:= $(9+9)/9 + (9 \times (9 \times (9 \times 9 + 9) + 9))$
- ▶ **7374** := $((111 + (11^{1+1+1+1}))/ (1+1)) - 1 - 1$
:= $((2 \times 2 \times 22 - 2)^2) - 22$
:= $3 + (3 \times ((3 \times 3 + 3)^3 + 3^{3+3}))$
:= $4 + (((4^4 - 4)/4 + 4) \times (444 - 4)/4)$
:= $(5 \times 5 \times (5 \times (55+5) - 5)) - 5/5$
:= $(6^{6-6/6}) - (6 \times 66 + 6)$
:= $7777 - (7 \times (7 \times 7 + 7) + (77/7))$
:= $8 + ((8 \times (8+8) - 8/8) \times (((8+8)/8) - 8) + 8 \times 8)$
:= $((9+9+9)/9) + (9 \times (9 \times (9 \times 9 + 9) + 9))$
- ▶ **7375** := $((111 + (11^{1+1+1+1}))/ (1+1)) - 1$
:= $2/2 + (((2 \times 2 \times 22 - 2)^2) - 22)$
:= $((3/3 + 33) \times ((3+3)^3 + 3/3)) - 3$
:= $4^4 + ((4 \times (4 \times 444 + 4)) - 4/4)$
:= $5 \times 5 \times (5 \times (55+5) - 5)$
:= $6/6 + ((6^{6-6/6}) - (6 \times 66 + 6))$
:= $7 \times 7 + (777/7 \times (77 - 77/7))$
:= $8 + (((8 \times 888 - 8/8) + (8+8) \times (8+8)) + 8)$
:= $((9 \times 9 - 9)/ (9+9)) + (9 \times (9 \times (9 \times 9 + 9) + 9))$
- ▶ **7376** := $(111 + (11^{1+1+1+1}))/ (1+1)$
:= $2 + (((2 \times 2 \times 22 - 2)^2) - 22)$
:= $33 + (((3+3)^3 \times (3/3 + 33)) - 3/3)$
:= $4 \times ((4 \times (444 + 4 \times 4)) + 4)$
:= $5/5 + (5 \times 5 \times (5 \times (55+5) - 5))$
:= $6 + ((66 + 6/6) \times ((666 - 6)/6))$
:= $7 + ((7 \times (77 \times (7+7) - 7)) - ((7+7)/7)^7)$
:= $8 + ((8 \times 888 + (8+8) \times (8+8)) + 8)$
:= $((9 \times 9 + 9)/ (9+9)) + (9 \times (9 \times (9 \times 9 + 9) + 9))$
- ▶ **7377** := $1 + ((111 + (11^{1+1+1+1}))/ (1+1))$
:= $2 + (((2 \times 2 \times 22 - 2)^2) - 22) + 2/2$
:= $33 + ((3+3)^3 \times (3/3 + 33))$
:= $4/4 + ((4 \times (4 \times 444 + 4)) + 4^4)$
:= $(5+5)/5 + (5 \times 5 \times (5 \times (55+5) - 5))$
:= $6 + (((66 + 6/6) \times 666/6) - 66)$
:= $7 + (((7+7) \times (7 \times 77 - 7)) - (7/7 + 77))$
:= $888 + ((88/8 - 8)^8 - (8 \times 8 + 8))$
:= $9 + ((9 \times (9 \times (9 \times 9 + 9) + 9)) - ((9+9+9)/9))$
- ▶ **7378** := $1 + (1 + ((111 + (11^{1+1+1+1}))/ (1+1)))$
:= $2 + (((2 \times 2 \times 22 - 2)^2) - 22) + 2$
:= $(3/3 + 33) \times ((3+3)^3 + 3/3)$
:= $4^4 + ((4 \times (4 \times 444 + 4)) + (4+4)/4)$
:= $5 + (((55+5)/5) \times ((5^5 - 55)/5)) + 5$
:= $(6^{6-6/6}) - (((6+6)/6) + 6 \times 66)$
:= $7 + (((7+7) \times (7 \times 77 - 7)) - 77)$
:= $(8 \times 8 - ((8+8)/8)) \times (888/8 + 8)$
:= $9 + ((9 \times (9 \times (9 \times 9 + 9) + 9)) - ((9+9)/9))$
- ▶ **7379** := $(11 \times (11 \times ((1 + 11^{1+1}))/ (1+1))) - 1 - 1$
:= $((2 \times 2 \times 22 - 2)^2) - (2^{2+2} + 2/2)$
:= $((3^3 + 3) \times (3 \times 3 \times 3^3 + 3)) - 3/3$
:= $4 + (((4 \times (4 \times 444 + 4)) - 4/4) + 4^4)$
:= $5 + ((5 \times 5 \times (5 \times (55+5) - 5)) - 5/5)$
:= $(6^{6-6/6}) - (6 \times 66 + 6/6)$
:= $7 + ((7/7 - 77) \times (7/7 - 7 \times (7+7)))$
:= $8 + ((8/8 - 8 \times 8) \times (88/8 - 8 \times (8+8)))$
:= $9 + ((9 \times (9 \times (9 \times 9 + 9) + 9)) - 9/9)$
- ▶ **7380** := $(1 + 11) \times (11 \times (1 + 111))/ (1+1) - 1$
:= $((2 \times 2 \times 22 - 2)^2) - 2^{2+2}$
:= $(3^3 + 3) \times (3 \times 3 \times 3^3 + 3)$
:= $4 + ((4 \times (4 \times 444 + 4)) + 4^4)$
:= $5 + (5 \times 5 \times (5 \times (55+5) - 5))$
:= $6 \times (6 \times 6 \times 6 \times 6 - 66)$
:= $((7+7)/7)^7 + (7 \times (7 \times 7 \times (7+7+7) + 7))$
:= $((88 - ((8+8)/8))^{(8+8)/8}) - 8 - 8$
:= $9 + (9 \times (9 \times (9 \times 9 + 9) + 9))$
- ▶ **7381** := $11 \times (11 \times ((1 + 11^{1+1}))/ (1+1))$
:= $2/2 + (((2 \times 2 \times 22 - 2)^2) - 2^{2+2})$
:= $3 + ((3/3 + 33) \times ((3+3)^3 + 3/3))$
:= $(44 \times (4 \times 44 - (4+4))) - 44/4$
:= $5 + ((5 \times 5 \times (5 \times (55+5) - 5)) + 5/5)$
:= $6/6 + (6 \times (6 \times 6 \times 6 \times 6 - 66))$
:= $77/7 \times ((7 \times 7 \times (7+7)) - (7/7 + 7 + 7))$
:= $88/8 \times (((88+8) \times (8 - 8/8)) - 8/8)$
:= $9 + ((9 \times (9 \times (9 \times 9 + 9) + 9)) + 9/9)$
- ▶ **7382** := $1 + (11 \times (11 \times ((1 + 11^{1+1}))/ (1+1)))$
:= $2 + (((2 \times 2 \times 22 - 2)^2) - 2^{2+2})$
:= $3 + (((3^3 + 3) \times (3 \times 3 \times 3^3 + 3)) - 3/3)$
:= $(4 - 44)/4 + (44 \times (4 \times 44 - (4+4)))$
:= $5 + ((5 \times 5 \times (5 \times (55+5) - 5)) + ((5+5)/5))$
:= $(6+6)/6 + (6 \times (6 \times 6 \times 6 \times 6 - 66))$
:= $77/7 + (((7+7) \times (7 \times 77 - 7)) - 77)$
:= $8 \times 8 + ((888/8 \times (((8+8)/8) + 8 \times 8)) - 8)$
:= $99/9 + (9 \times (9 \times (9 \times 9 + 9) + 9))$

- ▶ **7383** := $1111 + (((1 + 111)^{1+1}) / (1 + 1))$
:= $((2 \times 2 \times 22 - 2)^2) - (22/2 + 2)$
:= $3 + ((3^3 + 3) \times (3 \times 3 \times 3^3 + 3))$
:= $((4^4 + 4) / 4 + 4) \times (444/4 - 4)$
:= $5 + (((55 + 5) / 5) \times ((5^5 - 55) / 5) + 5) + 5$
:= $(6^{6-6/6}) + ((6 \times 6 / (6 + 6)) - 6 \times 66)$
:= $7777 - (7 \times (7 \times 7 + 7) + ((7 + 7) / 7))$
:= $88 + ((8 \times ((888 + 8 + 8) + 8)) - 8/8)$
:= $(99 + 9) / 9 + (9 \times (9 \times (9 \times 9 + 9) + 9))$
- ▶ **7384** := $1 + (1111 + (((1 + 111)^{1+1}) / (1 + 1)))$
:= $2 \times (2 \times ((2 \times (2 \times (22^2 - 22))) - 2))$
:= $3 + (((3/3 + 33) \times ((3 + 3)^3 + 3/3)) + 3)$
:= $(44 \times (4 \times 44 - (4 + 4))) - 4 - 4$
:= $5 + (((5 \times 5 \times (5 \times (55 + 5) - 5)) - 5/5) + 5)$
:= $6 + ((6^{6-6/6}) - (((6 + 6) / 6) + 6 \times 66))$
:= $(7/7 + 7) \times ((77 \times (77 + 7) - 7) / 7)$
:= $88 + (8 \times ((888 + 8 + 8) + 8))$
:= $99 \times (9 \times 9 - 9) + (((9 + 9) / 9)^{9-9/9})$
- ▶ **7385** := $((1 + 1) \times ((1 + 1) \times (11 + 11) - 1))^{1+1} - 11$
:= $((2 \times 2 \times 22 - 2)^2) - 22/2$
:= $3 + (((3^3 + 3) \times (3 \times 3 \times 3^3 + 3)) - 3/3 + 3)$
:= $4 + ((44 \times (4 \times 44 - (4 + 4))) - 44/4)$
:= $5 + ((5 \times 5 \times (5 \times (55 + 5) - 5)) + 5)$
:= $6 + ((6^{6-6/6}) - (6 \times 66 + 6/6))$
:= $7777 - 7 \times (7 \times 7 + 7)$
:= $888 + ((88/8 - 8)^8 - 8 \times 8)$
:= $9 + ((9 \times (9 \times (9 \times 9 + 9) + 9)) + ((9 \times 9 + 9) / (9 + 9)))$
- ▶ **7386** := $(1 + 1) \times ((1 + 1 + 1) \times ((11 \times (1 + 111)) - 1))$
:= $((2 - 22) / 2) + ((2 \times 2 \times 22 - 2)^2)$
:= $3 + (((3^3 + 3) \times (3 \times 3 \times 3^3 + 3)) + 3)$
:= $(44 \times (4 \times 44 - (4 + 4))) - ((4 + 4) / 4 + 4)$
:= $55/5 + (5 \times 5 \times (5 \times (55 + 5) - 5))$
:= $6 + (6 \times (6 \times 6 \times 6 - 66))$
:= $7/7 + (7777 - 7 \times (7 \times 7 + 7))$
:= $8 + ((8 \times 8 - ((8 + 8) / 8)) \times (888/8 + 8))$
:= $99 + (9 \times 9 \times (9 \times 9 + 9) - ((9 + 9 + 9) / 9))$
- ▶ **7387** := $1 + ((1 + 1) \times ((1 + 1 + 1) \times ((11 \times (1 + 111)) - 1)))$
:= $2 + (((2 \times 2 \times 22 - 2)^2) - 22/2)$
:= $3 \times 3 + ((3/3 + 33) \times ((3 + 3)^3 + 3/3))$
:= $(44 \times (4 \times 44 - (4 + 4))) - 4/4 - 4$
:= $((55 + 5) / 5) + (5 \times 5 \times (5 \times (55 + 5) - 5))$
:= $6 + ((6 \times (6 \times 6 \times 6 - 66)) + 6/6)$
:= $(7 + 7) / 7 + (7777 - 7 \times (7 \times 7 + 7))$
:= $(8/8 + 88) \times ((88/8 + 8 \times 8) + 8)$
:= $99 + (9 \times 9 \times (9 \times 9 + 9) - ((9 + 9) / 9))$
- ▶ **7388** := $(1 + 1) \times (1 + ((1 + 1 + 1) \times ((11 \times (1 + 111)) - 1)))$
:= $2 \times (2 \times (((2 \times 22) - 2/2)^2) - 2)$
:= $(3 \times ((3 \times (3^3 \times (3^3 + 3))) + 33)) - 3/3$
:= $(44 \times (4 \times 44 - (4 + 4))) - 4$
:= $(5 + 5) / 5 \times (((5^5 - 5) / 5 - 55) + 5^5)$
:= $6 + ((6 \times (6 \times 6 \times 6 - 66)) + ((6 + 6) / 6))$
:= $7777 - ((7 \times 777 + 7) / (7 + 7))$
:= $((88 - ((8 + 8) / 8))^{(8+8)/8}) - 8$
:= $99 + (9 \times 9 \times (9 \times 9 + 9) - 9/9)$
- ▶ **7389** := $(1 + 1 + 1) \times (((1 + 1) \times (11 \times (1 + 111))) - 1)$
:= $2 + (((2 \times 2 \times 22 - 2)^2) - 22/2 + 2)$
:= $3 \times ((3 \times (3^3 \times (3^3 + 3))) + 33)$
:= $4/4 + ((44 \times (4 \times 44 - (4 + 4))) - 4)$
:= $(5 \times (5 \times 5 \times (55 + 5))) - 555/5$
:= $6666 + (((6 \times 6 / (6 + 6))^6) - 6)$
:= $((((7 + 7) / 7 + 77) + 7)^{(7+7)/7}) - 7$
:= $8/8 + (((88 - ((8 + 8) / 8))^{(8+8)/8}) - 8)$
:= $99 + 9 \times 9 \times (9 \times 9 + 9)$
- ▶ **7390** := $(1 + 1) \times ((11 \times ((1 + 1 + 1) \times (1 + 111))) - 1)$
:= $((2 \times 2 \times 22 - 2)^2) - 2 - 2 - 2$
:= $3/3 + (3 \times ((3 \times (3^3 \times (3^3 + 3))) + 33))$
:= $(44 \times (4 \times 44 - (4 + 4))) - (4 + 4) / 4$
:= $5 + (((5 \times 5 \times (5 \times (55 + 5) - 5)) + 5) + 5)$
:= $((6 + 6) / 6)^5 + 66 \times 666/6$
:= $((7 + 7) / 7) \times (7 \times 7 \times 77 - (7/7 + 77))$
:= $8 \times 8 + (888/8 \times ((8 + 8) / 8) + 8 \times 8)$
:= $9/9 + (9 \times 9 \times (9 \times 9 + 9) + 99)$
- ▶ **7391** := $((1 + 1) \times (11 \times ((1 + 1 + 1) \times (1 + 111)))) - 1$
:= $((2 \times 2 \times 22 - 2)^2) - 2/2 - 2 - 2$
:= $33/3 + ((3^3 + 3) \times (3 \times 3 \times 3^3 + 3))$
:= $(44 \times (4 \times 44 - (4 + 4))) - 4/4$
:= $(5/5 + 5)^5 - (55 \times ((5 + 5) / 5 + 5))$
:= $(66 \times (666 + 6) / 6) - 6/6$
:= $(77 \times (7 \times (7 + 7) - ((7 + 7) / 7))) - 7/7$
:= $(88 \times (88 - 8 \times 8 / (8 + 8))) - 8/8$
:= $9 + ((9 \times (9 \times (9 \times 9 + 9) + 9)) + (99/9))$
- ▶ **7392** := $(1 + 1) \times (11 \times ((1 + 1 + 1) \times (1 + 111)))$
:= $2^{2+2} \times (22^2 - 22)$
:= $33 \times (((3 + 3)^3 - 3/3) + 3 \times 3)$
:= $44 \times (4 \times 44 - (4 + 4))$
:= $((55 + 5) / 5) \times ((5^5 + 5) / 5 - (5 + 5))$
:= $66 \times (666 + 6) / 6$
:= $77 \times (7 \times (7 + 7) - ((7 + 7) / 7))$
:= $88 \times (88 - 8 \times 8 / (8 + 8))$
:= $999/9 + (9 \times 9 \times (9 \times 9 + 9) - 9)$
- ▶ **7393** := $1 + ((1 + 1) \times (11 \times ((1 + 1 + 1) \times (1 + 111))))$
:= $((2 \times 2 \times 22 - 2)^2) - 2/2 - 2$
:= $3/3 + (33 \times (((3 + 3)^3 - 3/3) + 3 \times 3))$
:= $4/4 + (44 \times (4 \times 44 - (4 + 4)))$
:= $5 \times 5 + (((55 + 5) / 5) \times ((5^5 - 55) / 5))$
:= $6/6 + (66 \times (666 + 6) / 6)$
:= $7/7 + (77 \times (7 \times (7 + 7) - ((7 + 7) / 7)))$
:= $8/8 + (88 \times (88 - 8 \times 8 / (8 + 8)))$
:= $((99 + 99) / 9) + (9 \times (9 \times (9 \times 9 + 9) + 9))$
- ▶ **7394** := $(1 + 1) \times (1 + (11 \times ((1 + 1 + 1) \times (1 + 111))))$
:= $((2 \times 2 \times 22 - 2)^2) - 2$
:= $(3 - 3/3) \times (((33 \times (333 + 3)) + 3) / 3)$
:= $(4 + 4) / 4 + (44 \times (4 \times 44 - (4 + 4)))$
:= $5 + ((5 \times (5 \times 5 \times (55 + 5))) - 555/5)$
:= $(6 + 6) / 6 + (66 \times (666 + 6) / 6)$
:= $(7 + 7) / 7 + (77 \times (7 \times (7 + 7) - ((7 + 7) / 7)))$
:= $(8 + 8) / 8 + (88 \times (88 - 8 \times 8 / (8 + 8)))$
:= $99 + (9 \times 9 \times (9 \times 9 + 9) + ((9 \times 9 + 9) / (9 + 9)))$
- ▶ **7395** := $(1 + 1 + 1) \times (1 + ((1 + 1) \times (11 \times (1 + 111))))$
:= $((2 \times 2 \times 22 - 2)^2) - 2/2$
:= $3 + (33 \times (((3 + 3)^3 - 3/3) + 3 \times 3))$
:= $4 + ((44 \times (4 \times 44 - (4 + 4))) - 4/4)$
:= $(5 \times (5 \times (5 \times (55 + 5) - 5) + 5)) - 5$
:= $6666 + ((6 \times 6 / (6 + 6))^6)$
:= $(7/7 + 77 + 7) \times (((77 - 7) / 7) + 77)$
:= $(8/8 - 88) \times (88/8 - (88 + 8))$
:= $9 + ((9 \times 9 \times (9 \times 9 + 9) - ((9 + 9 + 9) / 9)) + 99)$
- ▶ **7396** := $((1 + 1) \times ((1 + 1) \times (11 + 11) - 1))^{1+1}$
:= $(2 \times 2 \times 22 - 2)^2$
:= $((3 \times 3^3 - 3/3) + 3 + 3)^{3-3/3}$
:= $4 + (44 \times (4 \times 44 - (4 + 4)))$
:= $(555/5 - 5 \times 5)^{(5+5)/5}$
:= $6 + (66 \times 666/6 + ((6 + 6) / 6)^6)$
:= $((7 + 7) / 7 + 77) + 7)^{(7+7)/7}$
:= $(88 - ((8 + 8) / 8))^{(8+8)/8}$
:= $((9 \times 9 + 9) / (9 + 9)) + 9 \times 9)^{(9+9)/9}$
- ▶ **7397** := $1 + (((1 + 1) \times ((1 + 1) \times (11 + 11) - 1))^{1+1})$
:= $2/2 + ((2 \times 2 \times 22 - 2)^2)$
:= $(33 \times ((3 + 3)^3 + 3 \times 3)) - (3^3 + 3/3)$
:= $4 + ((44 \times (4 \times 44 - (4 + 4))) + 4/4)$
:= $5 + (((55 + 5) / 5) \times ((5^5 + 5) / 5 - (5 + 5)))$
:= $6 + ((66 \times (666 + 6) / 6) - 6/6)$
:= $7/7 + (((7 + 7) / 7 + 77) + 7)^{(7+7)/7}$
:= $8/8 + ((88 - ((8 + 8) / 8))^{(8+8)/8})$
:= $9 + ((9 \times 9 \times (9 \times 9 + 9) - 9/9) + 99)$

$$\begin{aligned}
\blacktriangleright 7398 &:= (1+1) \times ((1+1+1) \times (1+(11 \times (1+111)))) \\
&:= 2 + ((2 \times 2 \times 22 - 2)^2) \\
&:= (33 \times ((3+3)^3 + 3 \times 3)) - 3^3 \\
&:= 4 + ((44 \times (4 \times 44 - (4+4))) + (4+4)/4) \\
&:= ((5+5)/5 + 5 \times 5) \times (5 \times 55 - 5/5) \\
&:= 6 + (66 \times (666+6)/6) \\
&:= ((7+7) \times (7 \times 77 - 7)) - (7/7 + 7 \times 7) \\
&:= (8+8)/8 + ((88 - ((8+8)/8))^{(8+8)/8}) \\
&:= 9 + (9 \times 9 \times (9 \times 9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7403 &:= 11 \times (1 + ((1+1) \times ((1+1+1) \times (1+111)))) \\
&:= 2 + (((((2 \times 2 \times 22 - 2)^2) + 2/2) + 2) + 2) \\
&:= 3 + ((3 \times 3 + 3/3) \times (3^{3+3} + 33/3)) \\
&:= 44/4 + (44 \times (4 \times 44 - (4+4))) \\
&:= 5 + (((5+5)/5 + 5 \times 5) \times (5 \times 55 - 5/5)) \\
&:= 66/6 \times (666 + 6/6 + 6) \\
&:= 7 + (((7+7)/7 + 77) + 7)^{(7+7)/7} \\
&:= 8 + ((8/8 - 88) \times (88/8 - (88+8))) \\
&:= 9 \times 9 \times (9 \times 9 + 9) + ((999 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7408 &:= (1+1) \times ((1+11111)/(1+1+1)) \\
&:= 2 + ((2^{2+2} - 2) \times ((22 + 2/2)^2)) \\
&:= ((3/3 + 3)^3) + ((3+3)^3 \times (3/3 + 33)) \\
&:= 4 \times ((44 \times (44 - (4+4)/4)) + 4) \\
&:= 555 + (55/5 \times (5^5 - 5 - 5)/5) \\
&:= ((6+6)/6)^6 + 6 \times 6 \times (6 \times 6 \times 6 - 6 - 6) \\
&:= (7/7 + 7) \times (((77 \times (77 + 7) + 7) + 7)/7) \\
&:= ((8/8 + 8) \times (888 - 8 \times 8)) - 8 \\
&:= 9 \times 9 \times 99 - (((9+9)/9)^9) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7399 &:= 1 + ((1+1) \times ((1+1+1) \times (1+(11 \times (1+111)))))) \\
&:= 2 + (((2 \times 2 \times 22 - 2)^2) + 2/2) \\
&:= 3 + (((3 \times 3^3 - 3/3) + 3) + 3)^{3-3/3} \\
&:= 4 + (((44 \times (4 \times 44 - (4+4))) - 4/4) + 4) \\
&:= (5 \times (5 \times (5 \times (55 + 5) - 5) + 5)) - 5/5 \\
&:= 6 + ((66 \times (666 + 6)/6) + 6/6) \\
&:= 7 \times (7 + 7) \times (77 - 7) + 77 \\
&:= (8 - 8/8) \times ((88 \times (88 + 8) + 8)/8) \\
&:= 9 + ((9 \times 9 \times (9 \times 9 + 9) + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7404 &:= (1+11) \times (1+11 \times (1+111)/(1+1)) \\
&:= 2 \times (2 \times (((2 \times 22) - 2/2)^2) + 2) \\
&:= 33 + (3 \times ((3 \times 3 + 3)^3 + 3^{3+3})) \\
&:= 44 + (4 \times 4 \times 444) + 4^4 \\
&:= 5 + ((5 \times (5 \times (5 \times (55 + 5) - 5) + 5)) - 5/5) \\
&:= 6 + ((66 \times (666 + 6)/6) + 6) \\
&:= (77 + 7)/7 \times ((7 \times 77 + 7/7) + 77) \\
&:= 8 + ((88 - ((8+8)/8))^{(8+8)/8}) \\
&:= (99 + 9)/9 \times (9 \times 9 \times 9 - ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7409 &:= 1 + ((1+1) \times ((1+11111)/(1+1+1))) \\
&:= 2 + (((2 \times 2 \times 22 - 2)^2) + 22/2) \\
&:= ((3^3 + 3/3) + 3) \times (((3^{3+3} - 3)/3) - 3) \\
&:= 4 \times (4^4 - 44) + ((4 - 4/4)^{4+4}) \\
&:= (5/5 + 5)^5 + (((5 - 5^5)/(5 + 5)) - 55) \\
&:= 6 + ((66/6) \times (666 + 6/6 + 6)) \\
&:= (7 \times (77 \times (7 + 7) - 7)) - (77/7 + 77) \\
&:= ((8/8 + 88)^{(8+8)/8}) - 8 \times 8 \times 8 \\
&:= 9 + ((9/9 + 9) \times (9 \times 9 \times 9 + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7400 &:= (1+1) \times ((11111 - 11)/(1+1+1)) \\
&:= 2 + (((2 \times 2 \times 22 - 2)^2) + 2) \\
&:= (3 \times 3 + 3/3) \times (3^{3+3} + 33/3) \\
&:= 4 + ((44 \times (4 \times 44 - (4+4))) + 4) \\
&:= 5 \times (5 \times (5 \times (55 + 5) - 5) + 5) \\
&:= 6 + ((66 \times (666 + 6)/6) + ((6+6)/6)) \\
&:= 7/7 + (7 \times ((7+7) \times (77 - 7) + 77)) \\
&:= 8 + (88 \times (88 - 8 \times 8/(8+8))) \\
&:= (9/9 + 9) \times (9 \times 9 \times 9 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7405 &:= 1 + ((1+11) \times (1+11 \times (1+111)/(1+1))) \\
&:= 22/2 + (((2 \times 2 \times 22 - 2)^2) - 2) \\
&:= 3^3 + ((3/3 + 33) \times ((3+3)^3 + 3/3)) \\
&:= 44 + (4 \times 4 \times 444) + 4^4 + 4/4 \\
&:= 5 + (5 \times (5 \times (5 \times (55 + 5) - 5) + 5)) \\
&:= 6 + (((66 \times (666 + 6)/6) + 6/6) + 6) \\
&:= 7 + (((7+7) \times (7 \times 77 - 7)) - (7/7 + 7 \times 7)) \\
&:= 8 + (((88 - ((8+8)/8))^{(8+8)/8}) + 8/8) \\
&:= 9 + (((9 \times 9 + 9)/(9 + 9)) + 9 \times 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7410 &:= (1+1) \times (1 + ((1+11111)/(1+1+1))) \\
&:= 2^{2+2} + (((2 \times 2 \times 22 - 2)^2) - 2) \\
&:= (3^3 + 3) \times (((3^{3+3} + 3)/3) + 3) \\
&:= (4^4 + 4)/4 \times ((444 - 4)/4 + 4) \\
&:= (5 + 5) \times ((555 + 5^5)/5 + 5) \\
&:= 66 + 6 \times 6 \times (6 \times 6 \times 6 - 6 - 6) \\
&:= (7/7 + 77) \times ((77/7 + 77) + 7) \\
&:= (8/8 + 8 \times 8) \times (((888 + 88)/8) - 8) \\
&:= 9 + (9 \times 9 \times (9 \times 9 + 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7401 &:= 1 + ((1+1) \times ((11111 - 11)/(1+1+1))) \\
&:= 2 + (((2 \times 2 \times 22 - 2)^2) + 2/2) + 2) \\
&:= 3 + ((33 \times ((3+3)^3 + 3 \times 3)) - 3^3) \\
&:= 4 + (((44 \times (4 \times 44 - (4+4))) + 4/4) + 4) \\
&:= (5/5 + 5)^5 - (5 \times (5 \times (5 + 5 + 5))) \\
&:= 6 + (((6 \times 6/(6+6))^6) + 6666) \\
&:= (7+7)/7 + (7 \times ((7+7) \times (77 - 7) + 77)) \\
&:= 8 + ((88 \times (88 - 8 \times 8/(8+8))) + 8/8) \\
&:= 999/9 + 9 \times 9 \times (9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7406 &:= (1+1) \times ((11111 - (1+1))/(1+1+1)) \\
&:= (2^{2+2} - 2) \times ((22 + 2/2)^2) \\
&:= (33/3)^3 + (3^3 \times ((3+3)^3 + 3 \times 3)) \\
&:= 4^4 + ((4^4 + 4)/4 \times (444 - 4)/4) \\
&:= 5 + ((5/5 + 5)^5 - (5 \times (5 \times (5 + 5 + 5)))) \\
&:= 6 \times 6 + ((66 + 6/6) \times ((666 - 6)/6)) \\
&:= 7 + (7 \times ((7+7) \times (77 - 7) + 77)) \\
&:= (8 - 8/8) \times (((88 \times (88 + 8) + 8) + 8)/8) \\
&:= 9 + (((9 \times 9 \times (9 \times 9 + 9) - 9/9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7411 &:= (11 + ((1+1) \times 11111))/(1+1+1) \\
&:= 2 + (((2 \times 2 \times 22 - 2)^2) + 22/2) + 2) \\
&:= 3/3 + ((3^3 + 3) \times (((3^{3+3} + 3)/3) + 3)) \\
&:= (4 \times (((44 - 4/4)^{(4+4)/4}) + 4)) - 4/4 \\
&:= 5 + (((5/5 + 5)^5 - (5 \times (5 \times (5 + 5 + 5)))) + 5) \\
&:= 66 + (6 \times 6 \times (6 \times 6 \times 6 - 6 - 6) + 6/6) \\
&:= (7 \times 77 \times (7 + 7)) - (((7+7)/7)^7 + 7) \\
&:= 8 + (((8/8 - 88) \times (88/8 - (88 + 8))) + 8) \\
&:= 9 + (9 \times 9 \times (9 \times 9 + 9) + (999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7402 &:= (1+1) \times (1 + ((11111 - 11)/(1+1+1))) \\
&:= 2 + (((2 \times 2 \times 22 - 2)^2) + 2) + 2) \\
&:= 3333 + ((3/3 + 3)^{3+3} - 3^3) \\
&:= (44 - 4)/4 + (44 \times (4 \times 44 - (4+4))) \\
&:= 5/5 + ((5/5 + 5)^5 - (5 \times (5 \times (5 + 5 + 5)))) \\
&:= ((66 - 6)/6) + (66 \times (666 + 6)/6) \\
&:= 7 + ((7/7 + 77 + 7) \times (((77 - 7)/7) + 77)) \\
&:= 8 + ((88 \times (88 - 8 \times 8/(8+8))) + ((8+8)/8)) \\
&:= 9 \times 9 \times (9 \times 9 + 9) + ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7407 &:= (((1+1) \times 11111) - 1)/(1+1+1) \\
&:= 22/2 + ((2 \times 2 \times 22 - 2)^2) \\
&:= 3 \times ((33 \times ((3 \times (3^3 - 3)) + 3)) - (3+3)) \\
&:= 4 + ((44 \times (4 \times 44 - (4+4))) + 44/4) \\
&:= ((5+5)/5)^5 + (5 \times 5 \times (5 \times (55 + 5) - 5)) \\
&:= 6 + (((6 \times 6/(6+6))^6) + 6666) + 6) \\
&:= 7 + ((7 \times ((7+7) \times (77 - 7) + 77)) + 7/7) \\
&:= (8/8 + 8) \times (888 - (8/8 + 8 \times 8)) \\
&:= 9 + ((9 \times 9 \times (9 \times 9 + 9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7412 &:= 1 + ((11 + ((1+1) \times 11111))/(1+1+1)) \\
&:= 2^{2+2} + ((2 \times 2 \times 22 - 2)^2) \\
&:= (3/3 + 33) \times (((3+3)^3 - 3/3) + 3) \\
&:= 4 \times (((44 - 4/4)^{(4+4)/4}) + 4) \\
&:= 5 + ((5 \times 5 \times (5 \times (55 + 5) - 5)) + ((5+5)/5)^5) \\
&:= (6 \times 6 - ((6+6)/6)) \times (6 \times 6 \times 6 + (6+6)/6) \\
&:= (7 \times (77 \times (7 + 7) - 7)) - (7/7 + 77 + 7) \\
&:= 8 + (((88 - ((8+8)/8))^{(8+8)/8}) + 8) \\
&:= 9 \times 9 \times (9 \times 9 + 9) + (999 + 99)/9
\end{aligned}$$

- **7413** := $((1+1) \times (11 \times (1 + ((1+1+1) \times (1+111)))) - 1)$
:= $2/2 + (((2 \times 2 \times 22 - 2)^2) + 2^{2+2})$
:= $3 + ((3^3 + 3) \times (((3^{3+3} + 3)/3) + 3))$
:= $4 + (4 \times (4^4 - 44) + ((4 - 4/4)^{4+4}))$
:= $(55 \times ((5 \times 5 \times 5 + 5) + 5)) - (55 + 5)/5$
:= $(6^{6-6/6}) - 66 \times 66/(6+6)$
:= $(7 \times (77 \times (7+7) - 7)) - 77 - 7$
:= $(8 \times (8 \times 8 \times (8+8) - (88+8))) - 88/8$
:= $9 \times 9 + ((99+9)/9 \times (((9+9)/9)^9 + 99))$
- **7418** := $11 + (((1+1) \times 11111) - 1)/(1+1+1)$
:= $22 + ((2 \times 2 \times 22 - 2)^2)$
:= $(33 \times ((3+3)^3 + 3 \times 3)) - (3/3 + 3 + 3)$
:= $4 + (((4^4 + 4)/4 \times ((444 - 4)/4 + 4)) + 4)$
:= $(55 \times ((5 \times 5 \times 5 + 5) + 5)) - ((5+5)/5 + 5)$
:= $(6+6)/6 + ((6^{6-6/6}) + (6 \times (6 - 66)))$
:= $(7 \times 77 \times (7+7)) - ((7+7)/7)^7$
:= $(8+8)/8 + ((8/8+8) \times (888 - 8 \times 8))$
:= $9 + (((9/9+9) \times (9 \times 9 \times 9 + (99/9))) + 9)$
- **7423** := $(11 \times (((1+1) \times (1+1+11))^{1+1}) - 1) - 1 - 1$
:= $(2^{2+2} \times ((22^2 - 22) + 2)) - 2/2$
:= $3/3 + ((33 \times ((3+3)^3 + 3 \times 3)) - 3)$
:= $4^4 + ((4 \times (4 \times (444 + 4))) - 4/4)$
:= $(55 \times ((5 \times 5 \times 5 + 5) + 5)) - (5+5)/5$
:= $6 + (((6^{6-6/6}) + (6 \times (6 - 66))) + 6/6)$
:= $7777 - (7 \times 7 \times 7 + (77/7))$
:= $(8 \times (8 \times 8 \times (8+8) - (88+8))) - 8/8$
:= $9 + ((99/9) \times (((9+9)/9)^9 + 9 \times (9+9)))$
- **7414** := $(1+1) \times (11 \times (1 + ((1+1+1) \times (1+111))))$
:= $22 \times (((22+2+2)^2) - 2/2)$
:= $(33 \times ((3+3)^3 + 3 \times 3)) - 33/3$
:= $4 + ((4^4 + 4)/4 \times ((444 - 4)/4 + 4))$
:= $55/5 \times (((5^5 - 5)/5 - 5) + 55)$
:= $66/6 \times ((666 + (6+6)/6) + 6)$
:= $7/7 + ((7 \times (77 \times (7+7) - 7)) - (77+7))$
:= $88 + (888/8 \times ((8+8)/8 + 8 \times 8))$
:= $99/9 \times (((9+9)/9)^9 + 9 \times (9+9))$
- **7419** := $11 + ((1+1) \times ((1+11111)/(1+1+1)))$
:= $22 + (((2 \times 2 \times 22 - 2)^2) + 2/2)$
:= $(33 \times ((3+3)^3 + 3 \times 3)) - 3 - 3$
:= $4^4 + 4 \times 4 \times (444 + 4) - 4/4 - 4$
:= $555 + (55/5 \times (5^5 - 5)/5)$
:= $6 + ((6^{6-6/6}) - 66 \times 66/(6+6))$
:= $(7 \times (77 \times (7+7) - 7)) - 7/7 - 77$
:= $88/8 + (((8/8+8) \times (888 - 8 \times 8)) - 8)$
:= $9 + (9 \times 9 \times (9 \times 9 + 9) + 999/9 + 9)$
- **7424** := $(11 \times (((1+1) \times (1+1+11))^{1+1}) - 1) - 1$
:= $2^{2+2} \times ((22^2 - 22) + 2)$
:= $(33 \times ((3+3)^3 + 3 \times 3)) - 3/3$
:= $4 \times (4 \times ((444 + 4 \times 4) + 4))$
:= $(55 \times ((5 \times 5 \times 5 + 5) + 5)) - 5/5$
:= $((6+6)/6)^6 \times (((666 - 6)/6) + 6)$
:= $((7+7)/7)^7 \times (((7+7)/7 + 7 \times 7) + 7)$
:= $8 \times (8 \times 8 \times (8+8) - (88+8))$
:= $(9 - 9/9) \times (((999 - 9 \times 9) + 9/9) + 9)$
- **7415** := $1 + ((1+1) \times (11 \times (1 + ((1+1+1) \times (1+111))))$
:= $22 + (((2 \times 2 \times 22 - 2)^2) - (2/2 + 2))$
:= $3 + ((3/3 + 33) \times (((3+3)^3 - 3/3) + 3))$
:= $4 + ((4 \times (((44 - 4/4)^{(4+4)/4}) + 4)) - 4/4)$
:= $(55 \times ((5 \times 5 \times 5 + 5) + 5)) - 5 - 5$
:= $(6^{6-6/6}) + ((6 \times (6 - 66)) - 6/6)$
:= $((7+7)/7)^{7-7/7+7} - 777$
:= $((8/8+8) \times (888 - 8 \times 8)) - 8/8$
:= $(9 - 9/9) \times (999 - 9 \times 9 + 9) - 9/9$
- **7420** := $(1+1) \times (((1+11^{1+1})/(1+1))^{1+1}) - 11$
:= $2 + (((2 \times 2 \times 22 - 2)^2) + 22)$
:= $3 + (((3 \times 3 + 3) \times 3^{3+3}) - (33/3)^3)$
:= $4 \times (44 \times 44 - (4 - 4/4)^4)$
:= $(55 \times ((5 \times 5 \times 5 + 5) + 5)) - 5$
:= $6 + ((66/6) \times ((666 + (6+6)/6) + 6))$
:= $(7 \times (77 \times (7+7) - 7)) - 77$
:= $8 + (((88 - ((8+8)/8))^{(8+8)/8}) + 8) + 8$
:= $(9/9+9) \times (((99+9+9)/9) + 9 \times 9 \times 9)$
- **7425** := $11 \times (((1+1) \times (1+1+11))^{1+1}) - 1$
:= $22/2 \times (((22+2+2)^2) - 2/2)$
:= $33 \times ((3+3)^3 + 3 \times 3)$
:= $4/4 + ((4 \times (4 \times (444 + 4))) + 4^4)$
:= $55 \times ((5 \times 5 \times 5 + 5) + 5)$
:= $((66+6/6) \times 666/6) - 6 - 6$
:= $7 + ((7 \times 77 \times (7+7)) - ((7+7)/7)^7)$
:= $8/8 + (8 \times (8 \times 8 \times (8+8) - (88+8)))$
:= $99 \times (((9+9+9)/9) - 9) + 9 \times 9$
- **7416** := $(1+1) \times (1 + (11 \times (1 + ((1+1+1) \times (1+111))))$
:= $22 + (((2 \times 2 \times 22 - 2)^2) - 2)$
:= $3 \times ((33 \times ((3 \times (3^3 - 3)) + 3)) - 3)$
:= $4 + (4 \times (((44 - 4/4)^{(4+4)/4}) + 4))$
:= $((55+5)/5) \times ((5^5 - 5 - 5)/5 - 5)$
:= $6 \times ((6 \times 6 \times 6 \times 6 - 66) + 6)$
:= $7777 - ((7 \times 7 \times 7 + (77/7)) + 7)$
:= $(8/8+8) \times (888 - 8 \times 8)$
:= $(9 - 9/9) \times (999 - 9 \times 9 + 9)$
- **7421** := $1 + ((1+1) \times (((1+11^{1+1})/(1+1))^{1+1}) - 11)$
:= $2 + (((2 \times 2 \times 22 - 2)^2) + 22) + 2/2)$
:= $(33 \times ((3+3)^3 + 3 \times 3)) - (3/3 + 3)$
:= $4/4 + (((4 \times (4 \times (444 + 4))) - 4) + 4^4)$
:= $5/5 + ((55 \times ((5 \times 5 \times 5 + 5) + 5)) - 5)$
:= $6 + (((6 \times (6 - 66)) - 6/6) + (6^{6-6/6}))$
:= $7/7 + ((7 \times (77 \times (7+7) - 7)) - 77)$
:= $8 + ((8 \times (8 \times 8 \times (8+8) - (88+8))) - (88/8))$
:= $9 + ((999+99)/9 + 9 \times 9 \times (9 \times 9 + 9))$
- **7426** := $1 + (11 \times (((1+1) \times (1+1+11))^{1+1}) - 1)$
:= $2 + (2^{2+2} \times ((22^2 - 22) + 2))$
:= $3/3 + (33 \times ((3+3)^3 + 3 \times 3))$
:= $4^4 + ((4 \times (4 \times (444 + 4))) + (4+4)/4)$
:= $5/5 + (55 \times ((5 \times 5 \times 5 + 5) + 5))$
:= $((6+6)/6)^{6+6} + (6 - 6/6) \times 666$
:= $7777 - ((7 \times 7 \times 7 + 7/7) + 7)$
:= $(8+8)/8 + (8 \times (8 \times 8 \times (8+8) - (88+8)))$
:= $9 \times (9 \times 99 - 9) - ((9+9)/9)^9$
- **7417** := $1 + ((1+1) \times (1 + (11 \times (1 + ((1+1+1) \times (1+111))))$
:= $22 + (((2 \times 2 \times 22 - 2)^2) - 2/2)$
:= $((3 \times 3 + 3) \times 3^{3+3}) - (33/3)^3$
:= $4^4 + (((4 - 4/4) + 4) \times (4 \times 4^4 - 4/4))$
:= $5 \times 5 + (((55+5)/5) \times ((5^5+5)/5 - (5+5)))$
:= $6/6 + ((6^{6-6/6}) + (6 \times (6 - 66)))$
:= $7 + ((7/7+77) \times ((77/7+77) + 7))$
:= $8/8 + ((8/8+8) \times (888 - 8 \times 8))$
:= $9 \times (9 \times 99 - 9) - ((9+9)/9)^9 + 9$
- **7422** := $(1+1+1) \times ((11 \times (1 + ((1+1) \times (1+111)))) - 1)$
:= $2 + (((2 \times 2 \times 22 - 2)^2) + 22) + 2)$
:= $(33 \times ((3+3)^3 + 3 \times 3)) - 3$
:= $4^4 + ((4 \times (4 \times (444 + 4))) - (4+4)/4)$
:= $(5+5)/5 + ((55 \times ((5 \times 5 \times 5 + 5) + 5)) - 5)$
:= $6 + ((6^{6-6/6}) + (6 \times (6 - 66)))$
:= $7 + (((7+7)/7)^{7-7/7+7} - 777)$
:= $(8 \times (8 \times 8 \times (8+8) - (88+8))) - (8+8)/8$
:= $9 \times (9 \times 9 \times 9 + 99 + 9) - 999/9$
- **7427** := $1 + (1 + (11 \times (((1+1) \times (1+1+11))^{1+1}) - 1))$
:= $2 + (22/2 \times (((22+2+2)^2) - 2/2))$
:= $3 + ((33 \times ((3+3)^3 + 3 \times 3)) - 3/3)$
:= $4 + (((4 \times (4 \times (444 + 4))) - 4/4) + 4^4)$
:= $(5+5)/5 + (55 \times ((5 \times 5 \times 5 + 5) + 5))$
:= $6 \times 6 + ((66 \times (666 + 6)/6) - 6/6)$
:= $7777 - (7 \times 7 \times 7 + 7)$
:= $88/8 + ((8/8+8) \times (888 - 8 \times 8))$
:= $9/9 + (9 \times (9 \times 99 - 9) - ((9+9)/9)^9)$

- **7428** := $(1+1+1) \times (1+(11 \times (1+((1+1) \times (1+111))))$ ► **7433** := $1+(1+(((1+11^{1+1})^{1+1})/(1+1))-11)$
:= $2 \times ((22 \times ((22/2+2)^2)) - (2+2))$:= $2/2 + (2 \times ((22 \times ((22/2+2)^2)) - 2))$
:= $3 + (33 \times ((3+3)^3 + 3 \times 3))$:= $3 \times 3 + ((33 \times ((3+3)^3 + 3 \times 3)) - 3/3)$
:= $4 + ((4 \times (4 \times (444+4))) + 4^4)$:= $(444/4 \times (((4^4-4)/4) + 4)) - 4$
:= $((55+5)/5) \times ((5^5-5)/5-5)$:= $5 + (((55+5)/5) \times ((5^5-5)/5-5))$
:= $6 \times 6 + (66 \times (666+6)/6)$:= $(6^{6-6/6}) - ((6/6+6)^{6 \times 6/(6+6)})$
:= $7/7 + (7777 - (7 \times 7 \times 7 + 7))$:= $7777 - (7 \times 7 \times 7 + 7/7)$
:= $8 + (((88 - ((8+8)/8))^{(8+8)/8}) + 8) + 8)$:= $888 + ((88/8 - 8)^8 - (8+8))$
:= $9 + (((9 \times 9 \times (9 \times 9 + 9) + 999/9) + 9) + 9)$:= $9 \times (9 \times 9 \times 9 + 99) - (9/9 + 9 + 9)$
- **7429** := $((1+1)^{1+11}) + ((1+1+1) \times 1111)$ ► **7434** := $(11 \times (((1+1) \times (1+1+11))^{1+1})) - 1 - 1$
:= $22 + (((2 \times 2 \times 22 - 2)^2) + 22/2)$:= $(2 \times (22 \times ((22/2+2)^2))) - 2$
:= $3333 + (3/3+3)^{3+3}$:= $3 \times ((33 \times ((3 \times (3^3-3)) + 3)) + 3)$
:= $4 + (((4 \times (4 \times (444+4))) + 4^4) + 4/4)$:= $(44 - (4+4)/4) \times (4 \times 44 + 4/4)$
:= $5 + ((55 \times ((5 \times 5 \times 5 + 5) + 5)) - 5/5)$:= $(5/5+5) \times (((5^5-55) + 5^5)/5)$
:= $6 \times 6 + ((66 \times (666+6)/6) + 6/6)$:= $(6/6+6) \times (666+6 \times 66)$
:= $(7+7)/7 + (7777 - (7 \times 7 \times 7 + 7))$:= $7777 - 7 \times 7 \times 7$
:= $(8/8+8+8) \times (8 \times (8 \times 8 - 8) - (88/8))$:= $(8/8 - 8 \times 8) \times (((8-888)/8) - 8)$
:= $9 + ((9/9+9) \times (((99+9+9)/9) + 9 \times 9 \times 9))$:= $(9+9) \times (((9+9)/9)^9) - 99$
- **7430** := $((1+11^{1+1})^{1+1})/(1+1) - 1 - 11$ ► **7435** := $(11 \times (((1+1) \times (1+1+11))^{1+1})) - 1$
:= $(2 \times ((22 \times ((22/2+2)^2)) - 2)) - 2$:= $(2 \times (22 \times ((22/2+2)^2))) - 2/2$
:= $3 + (((33 \times ((3+3)^3 + 3 \times 3)) - 3/3) + 3)$:= $3 + (((3/3+3)^{3+3} + 3333) + 3)$
:= $((44 - (4+4)/4) \times (4 \times 44 + 4/4)) - 4$:= $44 + ((44 \times (4 \times 44 - (4+4))) - 4/4)$
:= $5 + (55 \times ((5 \times 5 \times 5 + 5) + 5))$:= $5 + ((55 \times ((5 \times 5 \times 5 + 5) + 5)) + 5)$
:= $6 + (((6+6)/6)^6 \times (((666-6)/6) + 6))$:= $6/6 + ((6/6+6) \times (666+6 \times 66))$
:= $((7+7) \times (7 \times 77 - 7)) - (77/7 + 7)$:= $7/7 + (7777 - 7 \times 7 \times 7)$
:= $8 + ((8 \times (8 \times 8 \times (8+8) - (88+8))) - ((8+8)/8))$:= $88/8 + (8 \times (8 \times 8 \times (8+8) - (88+8)))$
:= $9 \times (9 \times 9 \times 9 + 99) - ((99+99)/9)$:= $9 + (9 \times (9 \times 99 - 9) - ((9+9)/9)^9)$
- **7431** := $((1+11^{1+1})^{1+1})/(1+1) - 11$ ► **7436** := $11 \times (((1+1) \times (1+1+11))^{1+1})$
:= $(2 \times ((22 \times ((22/2+2)^2)) - 2)) - 2/2$:= $2 \times (22 \times ((22/2+2)^2))$
:= $3 + ((33 \times ((3+3)^3 + 3 \times 3)) + 3)$:= $33/3 + (33 \times ((3+3)^3 + 3 \times 3))$
:= $4^4 + (((4-4)/4) + 4) \times (4 \times 4^4 + 4/4)$:= $44 + (44 \times (4 \times 44 - (4+4)))$
:= $5 + ((55 \times ((5 \times 5 \times 5 + 5) + 5)) + 5/5)$:= $55/5 + (55 \times ((5 \times 5 \times 5 + 5) + 5))$
:= $((66+6/6) \times 666/6) - 6$:= $66/6 \times ((66-6)/6 + 666)$
:= $7 + (((7+7)/7)^7 \times (((7+7)/7 + 7 \times 7) + 7))$:= $(7+7)/7 + (7777 - 7 \times 7 \times 7)$
:= $8 + ((8 \times (8 \times 8 \times (8+8) - (88+8))) - 8/8)$:= $88 \times 88 + ((88 \times (8-8 \times 8))/(8+8))$
:= $9 \times (9 \times 9 \times 9 + 99) - ((99+9)/9 + 9)$:= $(9+9)/9 + ((9+9) \times (((9+9)/9)^9) - 99)$
- **7432** := $1 + (((1+11^{1+1})^{1+1})/(1+1)) - 11$ ► **7437** := $1 + (11 \times (((1+1) \times (1+1+11))^{1+1}))$
:= $2 \times ((22 \times ((22/2+2)^2)) - 2)$:= $2/2 + (2 \times (22 \times ((22/2+2)^2)))$
:= $3 + ((3/3+3)^{3+3} + 3333)$:= $333/3 \times (((3/3+3)^3) + 3)$
:= $4 + (((4 \times (4 \times (444+4))) + 4^4) + 4)$:= $444/4 \times (((4^4-4)/4) + 4)$
:= $5 + ((55 \times ((5 \times 5 \times 5 + 5) + 5)) + ((5+5)/5))$:= $555/5 \times (((55+5)/5) + 55)$
:= $6/6 + (((66+6/6) \times 666/6) - 6)$:= $(66+6/6) \times 666/6$
:= $7777 - (7 \times 7 \times 7 + ((7+7)/7))$:= $((7+7) \times (7 \times 77 - 7)) - 77/7$
:= $8 + (8 \times (8 \times 8 \times (8+8) - (88+8)))$:= $888/8 \times ((88/8 - 8) + 8 \times 8)$
:= $9 \times (9 \times 9 \times 9 + 99) - (99/9 + 9)$:= $((9/9 - 9) + 9 \times 9) \times (999/9 - 9) - 9$
- **7438** := $1 + (1 + (11 \times (((1+1) \times (1+1+11))^{1+1})))$
:= $2 + (2 \times (22 \times ((22/2+2)^2)))$
:= $3 \times 3 + ((3/3+3)^{3+3} + 3333)$
:= $4 + ((44 - (4+4)/4) \times (4 \times 44 + 4/4))$
:= $5 + (((55+5)/5) \times ((5^5-5)/5-5)) + 5$
:= $6/6 + ((66+6/6) \times 666/6)$
:= $((7-77)/7) + ((7+7) \times (7 \times 77 - 7))$
:= $888 + ((88/8 - 8)^8 - (88/8))$
:= $((9-99)/(9+9)) + (9 \times (9 \times 9 \times 9 + 99) - 9)$
- **7439** := $((1+11^{1+1})^{1+1})/(1+1) - 1 - 1 - 1$
:= $2 + ((2 \times (22 \times ((22/2+2)^2))) + 2/2)$
:= $3 + ((33 \times ((3+3)^3 + 3 \times 3)) + 33/3)$
:= $(44 - 4/4) \times ((4 \times 44 - 4) + 4/4)$
:= $((55+5) \times (5 \times 5 \times 5 - 5/5)) - 5/5$
:= $6 \times 6 + ((66/6) \times (666+6/6+6))$
:= $((7+7) \times (7 \times 77 - 7)) - ((7+7)/7 + 7)$
:= $8888/8 + (88 \times (8 \times 8 + 8) - 8)$
:= $9 \times (9 \times 9 \times 9 + 99) - (99+9+9)/9$
- **7440** := $((1+11^{1+1})^{1+1})/(1+1) - 1 - 1$
:= $2 \times ((22 \times ((22/2+2)^2)) + 2)$
:= $3 + (333/3 \times (((3/3+3)^3) + 3))$
:= $4 \times ((4 \times ((444+4 \times 4) + 4)) + 4)$
:= $(55+5) \times (5 \times 5 \times 5 - 5/5)$
:= $6 + ((6/6+6) \times (666+6 \times 66))$
:= $((7+7) \times (7 \times 77 - 7)) - (7/7 + 7)$
:= $(8-8/8+8) \times (8 \times 8 \times 8 - 8 - 8)$
:= $(9/9 - 9 \times 9) \times ((9-999/9) + 9)$
- **7441** := $((1+11^{1+1})^{1+1})/(1+1) - 1$
:= $2/2 + (((2 \times 2 \times 22 - 2)^2) + 2 \times 22)$
:= $(3 \times (3 \times (3 \times 33 + 3^{3+3}))) - 33/3$
:= $4 + (444/4 \times (((4^4-4)/4) + 4))$
:= $5/5 + ((55+5) \times (5 \times 5 \times 5 - 5/5))$
:= $((66/6) \times (666 + (66/6))) - 6$
:= $((7+7) \times (7 \times 77 - 7)) - 7$
:= $888 + ((88/8 - 8)^8 - 8)$
:= $9 \times (9 \times 9 \times 9 + 99) - 99/9$
- **7442** := $((1+11^{1+1})^{1+1})/(1+1)$
:= $2 \times ((2^{2+2+2} - (2/2+2)^2)$
:= $(3+3)^3 + ((33 \times ((3+3)^3 + 3)) - 3/3)$
:= $4^4 + (((4-4/4)^{4+4}) + (4/4+4)^4)$
:= $5 + (555/5 \times (((55+5)/5) + 55))$
:= $6 + ((66/6) \times ((66-6)/6 + 666))$
:= $7/7 + (((7+7) \times (7 \times 77 - 7)) - 7)$
:= $8 + ((8/8 - 8 \times 8) \times (((8-888)/8) - 8))$
:= $9 \times (9 \times 9 \times 9 + 99) - 9/9 - 9$

$$\begin{aligned}
\blacktriangleright 7443 &:= 1 + (((1 + 11^{1+1})^{1+1}) / (1 + 1)) \\
&:= 2/2 + (2 \times ((2^{2+2+2} - (2/2 + 2)^2)) \\
&:= 3 \times ((3 \times (3 \times 33 + 3^{3+3})) - 3) \\
&:= 4 + ((44 - 4/4) \times ((4 \times 44 - 4) + 4/4)) \\
&:= 5 \times 55 + (((5 + 5)/5 + 5) \times (5 - 5/5)^5) \\
&:= 6 + ((66 + 6/6) \times 666/6) \\
&:= (7 + 7)/7 + (((7 + 7) \times (7 \times 77 - 7)) - 7) \\
&:= 8 + ((8 \times (8 \times 8 \times (8 + 8) - (88 + 8))) + (88/8)) \\
&:= 9 \times (9 \times 9 \times 9 + 99) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7444 &:= 1 + (1 + (((1 + 11^{1+1})^{1+1}) / (1 + 1))) \\
&:= 2 + (2 \times ((2^{2+2+2} - (2/2 + 2)^2)) \\
&:= 3/3 + ((33 \times ((3 + 3)^3 + 3)) + (3 + 3)^3) \\
&:= (4 \times 44 \times 44) - (44 + 4^4) \\
&:= (5 \times (5 \times 5 \times (55 + 5))) - (55 + 5/5) \\
&:= 6 + (((66 + 6/6) \times 666/6) + 6/6) \\
&:= 7 + (((7 + 7) \times (7 \times 77 - 7)) - (77/7)) \\
&:= 8 + (((88 \times (8 - 8 \times 8)) / (8 + 8)) + 88 \times 88) \\
&:= 9/9 + (9 \times (9 \times 9 \times 9 + 99) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7445 &:= 1 + (1 + (1 + (((1 + 11^{1+1})^{1+1}) / (1 + 1)))) \\
&:= (22/2 \times (((22 + 2 + 2)^2) + 2/2)) - 2 \\
&:= ((3/3 + 33) \times ((3 + 3)^3 + 3)) - 3/3 \\
&:= 4 + ((444/4 \times (((4^4 - 4)/4) + 4) + 4) \\
&:= (5 \times (5 \times 5 \times (55 + 5))) - 55 \\
&:= 66 + ((6^{6-6/6}) - (6 \times 66 + 6/6)) \\
&:= 77/7 + (7777 - 7 \times 7 \times 7) \\
&:= 8 + (888/8 \times ((88/8 - 8) + 8 \times 8)) \\
&:= (9 + 9)/9 + (9 \times (9 \times 9 \times 9 + 99) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7446 &:= (11 \times (1 + (((1 + 1) \times (1 + 1 + 11))^{1+1}))) - 1 \\
&:= 2 \times (((2^{2+2+2} - (2/2 + 2)^2) + 2) \\
&:= (3/3 + 33) \times ((3 + 3)^3 + 3) \\
&:= (4 \times 4 + 4/4) \times (444 - ((4 + 4)/4 + 4)) \\
&:= (5/5 + 5)^5 - (5 \times 55 + 55) \\
&:= 66 + (6 \times (6 \times 6 \times 6 - 66)) \\
&:= ((7 + 7) \times (7 \times 77 - 7)) - (7 + 7)/7 \\
&:= 88 \times (8 \times 8 + 8) + (8888 - 8)/8 \\
&:= ((9/9 - 9) + 9 \times 9) \times (999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7447 &:= 11 \times (1 + (((1 + 1) \times (1 + 1 + 11))^{1+1})) \\
&:= 22/2 \times (((22 + 2 + 2)^2) + 2/2) \\
&:= 3/3 + ((3/3 + 33) \times ((3 + 3)^3 + 3)) \\
&:= 4^4 + ((4 - 4/4) \times (((4 - 4/4) + 4)^4 - 4)) \\
&:= (((55 + 5)/5) \times ((5^5 + 5)/5 - 5)) - 5 \\
&:= 66/6 \times (666 + (66/6)) \\
&:= ((7 + 7) \times (7 \times 77 - 7)) - 7/7 \\
&:= 8888/8 + 88 \times (8 \times 8 + 8) \\
&:= ((9 - 99)/(9 + 9)) + 9 \times (9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7448 &:= 1 + (11 \times (1 + (((1 + 1) \times (1 + 1 + 11))^{1+1}))) \\
&:= ((2^{2+2} - 2)^2) \times ((2 + 2 + 2)^2 + 2) \\
&:= 3 + (((3/3 + 33) \times ((3 + 3)^3 + 3)) - 3/3) \\
&:= (((4 + 4) + 4) \times ((4/4 + 4)^4 - 4)) - 4 \\
&:= (5 + 5)/5 \times (((5^5 - 5)/5 - 5 \times 5) + 5^5) \\
&:= 6/6 + ((66/6) \times (666 + (66/6))) \\
&:= (7 + 7) \times (7 \times 77 - 7) \\
&:= 8 + ((8 - 8/8 + 8) \times (8 \times 8 \times 8 - 8 - 8)) \\
&:= (99 - 9/9) \times (((9 - 99)/(9 + 9)) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7449 &:= 1 + (1 + (11 \times (1 + (((1 + 1) \times (1 + 1 + 11))^{1+1})))) \\
&:= 2 + (22/2 \times (((22 + 2 + 2)^2) + 2/2)) \\
&:= 3 + ((3/3 + 33) \times ((3 + 3)^3 + 3)) \\
&:= 4/4 + (((4 + 4) + 4) \times ((4/4 + 4)^4 - 4)) - 4 \\
&:= (5 \times ((5 \times 5 \times (55 + 5)) - (5 + 5))) - 5/5 \\
&:= 6 + (((66 + 6/6) \times 666/6) + 6) \\
&:= 7/7 + ((7 + 7) \times (7 \times 77 - 7)) \\
&:= 888 + (88/8 - 8)^8 \\
&:= 9 \times (9 \times 9 \times 9 + 99) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7450 &:= 1 + (1 + (1 + (11 \times (1 + (((1 + 1) \times (1 + 1 + 11))^{1+1})))) \\
&:= ((22 + 2/2) \times ((2^{2+2} + 2)^2)) - 2 \\
&:= 3 + (((3/3 + 33) \times ((3 + 3)^3 + 3)) + 3/3) \\
&:= (((4 + 4) + 4) \times ((4/4 + 4)^4 - 4)) - (4 + 4)/4 \\
&:= 5 \times ((5 \times 5 \times (55 + 5)) - (5 + 5)) \\
&:= ((6 - 666)/6) + (6 \times (6 \times (6 \times 6 \times 6 - 6))) \\
&:= (7 + 7)/7 + ((7 + 7) \times (7 \times 77 - 7)) \\
&:= 8/8 + ((88/8 - 8)^8 + 888) \\
&:= 9 \times (9 \times 9 \times 9 + 99) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7451 &:= 11 + (((1 + 11^{1+1})^{1+1}) / (1 + 1)) - (1 + 1) \\
&:= ((22 + 2/2) \times ((2^{2+2} + 2)^2)) - 2/2 \\
&:= (3 \times (3 \times (3 \times 33 + 3^{3+3}))) - 3/3 \\
&:= (((4 + 4) + 4) \times ((4/4 + 4)^4 - 4)) - 4/4 \\
&:= (5/5 + 5)^5 - (5 \times (55 + 5 + 5)) \\
&:= 66 \times (6 + 6) + (6666 - (6/6 + 6)) \\
&:= (7 + 7 + 7)/7 + ((7 + 7) \times (7 \times 77 - 7)) \\
&:= 888 + ((88/8 - 8)^8 + ((8 + 8)/8)) \\
&:= 9 \times (9 \times 9 \times 9 + 99) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7452 &:= 11 + (((1 + 11^{1+1})^{1+1}) / (1 + 1)) - 1 \\
&:= (22 + 2/2) \times ((2^{2+2} + 2)^2) \\
&:= 3 \times (3 \times (3 \times 33 + 3^{3+3})) \\
&:= ((4 + 4) + 4) \times ((4/4 + 4)^4 - 4) \\
&:= ((55 + 5)/5) \times ((5^5 + 5)/5 - 5) \\
&:= 6 \times (((6 \times 6 \times 6 \times 6 - 66) + 6) + 6) \\
&:= 77/7 + (((7 + 7) \times (7 \times 77 - 7)) - 7) \\
&:= 8 \times 8 + (((88 - ((8 + 8)/8))^{(8+8)/8}) - 8) \\
&:= 9 \times (9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7453 &:= 11 + (((1 + 11^{1+1})^{1+1}) / (1 + 1)) \\
&:= 2/2 + ((22 + 2/2) \times ((2^{2+2} + 2)^2)) \\
&:= 3/3 + (3 \times (3 \times (3 \times 33 + 3^{3+3}))) \\
&:= 4/4 + (((4 + 4) + 4) \times ((4/4 + 4)^4 - 4)) \\
&:= 5 \times 5 + (((55 + 5)/5) \times ((5^5 - 5)/5 - 5)) \\
&:= 6 + ((66/6) \times (666 + (66/6))) \\
&:= 7 + (((7 + 7) \times (7 \times 77 - 7)) - ((7 + 7)/7)) \\
&:= 8 + ((888/8 \times ((88/8 - 8) + 8 \times 8)) + 8) \\
&:= 9/9 + 9 \times (9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7454 &:= 1 + (11 + (((1 + 11^{1+1})^{1+1}) / (1 + 1))) \\
&:= 2 + ((22 + 2/2) \times ((2^{2+2} + 2)^2)) \\
&:= 3 + ((3 \times (3 \times (3 \times 33 + 3^{3+3}))) - 3/3) \\
&:= (4 + 4)/4 + (((4 + 4) + 4) \times ((4/4 + 4)^4 - 4)) \\
&:= 5 + ((5 \times ((5 \times 5 \times (55 + 5)) - (5 + 5))) - 5/5) \\
&:= 6 + (((66/6) \times (666 + (66/6))) + 6/6) \\
&:= 7 + (((7 + 7) \times (7 \times 77 - 7)) - 7/7) \\
&:= 8 + ((8888 - 8)/8 + 88 \times (8 \times 8 + 8)) \\
&:= (9 + 9)/9 + 9 \times (9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7455 &:= 1 + (1 + (11 + (((1 + 11^{1+1})^{1+1}) / (1 + 1)))) \\
&:= (2 \times 2 \times 22)^2 - ((2^{2+2} + 2/2)^2) \\
&:= 3 + (3 \times (3 \times (3 \times 33 + 3^{3+3}))) \\
&:= 4 + (((4 + 4) + 4) \times ((4/4 + 4)^4 - 4)) - 4/4 \\
&:= 5 + (5 \times ((5 \times 5 \times (55 + 5)) - (5 + 5))) \\
&:= ((66 - 6/6) + 6) \times (666/6 - 6) \\
&:= 7 + ((7 + 7) \times (7 \times 77 - 7)) \\
&:= 8 + (8888/8 + 88 \times (8 \times 8 + 8)) \\
&:= ((9 + 9 + 9)/9) + 9 \times (9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7456 &:= (1 + 1) \times ((11 \times ((1 + 1 + 1) \times (1 + 1 + 11))) - 1) \\
&:= 2^{2+2} \times (2 \times 222 + 22) \\
&:= 3 + ((3 \times (3 \times (3 \times 33 + 3^{3+3}))) + 3/3) \\
&:= 4 + (((4 + 4) + 4) \times ((4/4 + 4)^4 - 4)) \\
&:= 5 + ((5/5 + 5)^5 - (5 \times (55 + 5 + 5))) \\
&:= 66 \times (6 + 6) + (6666 - ((6 + 6)/6)) \\
&:= 7 + (((7 + 7) \times (7 \times 77 - 7)) + 7/7) \\
&:= 8 \times ((88/((8 + 8)/8)) + 888) \\
&:= ((9 \times 9 - 9)/(9 + 9)) + 9 \times (9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7457 &:= ((1 + 1) \times (11 \times ((1 + 1 + 1) \times (1 + 1 + 11)))) - 1 \\
&:= 2/2 + (2^{2+2} \times (2 \times 222 + 22)) \\
&:= 33 + ((33 \times ((3 + 3)^3 + 3 \times 3)) - 3/3) \\
&:= (44 \times (4 \times 44 - 4)) - 444/4 \\
&:= 5 + (((55 + 5)/5) \times ((5^5 + 5)/5 - 5)) \\
&:= 66 \times (6 + 6) + (6666 - 6/6) \\
&:= 7 + (((7 + 7) \times (7 \times 77 - 7)) + ((7 + 7)/7)) \\
&:= 8 + ((88/8 - 8)^8 + 888) \\
&:= ((9 \times 9 + 9)/(9 + 9)) + 9 \times (9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7458 &:= (1+1) \times (11 \times ((1+1+1) \times (1+1+111))) \\
&:= 22 \times (((22+2+2)^2) + 2)/2 \\
&:= 33 + (33 \times ((3+3)^3 + 3 \times 3)) \\
&:= ((4-444)/4) + (44 \times (4 \times 44 - 4)) \\
&:= 55/5 \times ((5^5 - 5 - 5)/5 + 55) \\
&:= 66 \times (((666+6) + 6)/6) \\
&:= 77/7 \times ((7 \times 7 \times (7+7)) - (7/7+7)) \\
&:= 8 + (((88/8 - 8)^8 + 888) + 8/8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 99) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7463 &:= ((1+1)^{1+1+11}) - (11-1-1)^{1+1+1} \\
&:= 2/2 + ((22/2+2) \times (((22+2)^2) - 2)) \\
&:= 3 + (((33 \times (3+3)^3) - 3/3) + 333) \\
&:= (4 \times 4 + 4/4) \times (444 - (4/4+4)) \\
&:= (5/5+5)^5 - (5^5+5)/(5+5) \\
&:= 6 + ((66 \times (6+6) - 6/6) + 6666) \\
&:= 7 + (((7+7) \times (7 \times 77 - 7)) + 7/7 + 7) \\
&:= (8/8+8+8) \times (8 \times (8 \times 8 - 8) - (8/8+8)) \\
&:= 99/9 + 9 \times (9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7468 &:= (11 \times (((1+1)^{11} - 11)/(1+1+1))) - 1 \\
&:= 2 + ((2 \times (2^{2+2+2} - 2)^2) - 222) \\
&:= 3/3 + (((3^3+3) \times ((3+3)^3 + 33)) - 3) \\
&:= (4 \times (44 \times 44 - 4)) - (4^4+4) \\
&:= 5 + ((5/5+5)^5 - (5^5+5)/(5+5)) \\
&:= (((66+6/6) \times (666+6)/6) - 6 \times 6) \\
&:= (7 \times 77 \times (7+7)) - 7/7 - 77 \\
&:= 8 + (((88 - ((8+8)/8))^{(8+8)/8}) + 8 \times 8) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 + 99) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7459 &:= 1 + ((1+1) \times (11 \times ((1+1+1) \times (1+1+111)))) \\
&:= 2/2 + (22 \times (((22+2+2)^2) + 2)/2) \\
&:= 3/3 + ((33 \times ((3+3)^3 + 3 \times 3)) + 33) \\
&:= 4^4 + ((4-4/4) \times (((4-4/4) + 4)^4)) \\
&:= (5/5+5)^5 + (((5-5^5)/(5+5)) - 5) \\
&:= 6/6 + (66 \times (6+6) + 6666) \\
&:= 77/7 + ((7+7) \times (7 \times 77 - 7)) \\
&:= 8 + (((88/8 - 8)^8 + 888) + ((8+8)/8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 99) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7464 &:= 11 + (11 + (((1+11^{1+1})^{1+1})/(1+1))) \\
&:= 2 + ((22/2+2) \times (((22+2)^2) - 2)) \\
&:= 3 + ((33 \times (3+3)^3) + 333) \\
&:= (4-4/4) \times ((4 \times ((4/4+4)^4 - 4)) + 4) \\
&:= (5/5+5)^5 + ((5-5^5)/(5+5)) \\
&:= 6 + (66 \times (6+6) + 6666) \\
&:= 7 + (((7+7) \times (7 \times 77 - 7)) + ((7+7)/7)) + 7) \\
&:= (8 \times ((888 - 8) + 8 \times 8)) - 88 \\
&:= (99+9)/9 + 9 \times (9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7469 &:= 11 \times (((1+1)^{11} - 11)/(1+1+1)) \\
&:= 22/2 \times (((22+2+2)^2) + 2)/2 + 2) \\
&:= ((3^3+3) \times ((3+3)^3 + 33)) - 3/3 \\
&:= 4/4 + ((4 \times (44 \times 44 - 4)) - (4^4+4)) \\
&:= 55/5 \times ((5^5 - 5)/5 + 55) \\
&:= 66/6 \times ((666+6/6+6) + 6) \\
&:= 77 \times (7 \times (7+7) - 7/7) \\
&:= ((8/8+88) + 8) \times (88 - 88/8) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 + 99) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7460 &:= (1+1) \times (1 + (11 \times ((1+1+1) \times (1+1+111)))) \\
&:= 2 + (22 \times (((22+2+2)^2) + 2)/2) \\
&:= 333 + ((33 \times (3+3)^3) - 3/3) \\
&:= 4 + (((4+4) + 4) \times ((4/4+4)^4 - 4)) + 4) \\
&:= 5 + ((5 \times ((5 \times 5 \times (55+5)) - (5+5))) + 5) \\
&:= (6+6)/6 + (66 \times (6+6) + 6666) \\
&:= (77+7)/7 + ((7+7) \times (7 \times 77 - 7)) \\
&:= 8 \times 8 + ((88 - ((8+8)/8))^{(8+8)/8}) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 99) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7465 &:= ((11 \times ((1+1)^{11} - (1+11))) - 1)/(1+1+1) \\
&:= ((22+2)^2) + (((2/2+2)^{2+2} + 2)^2) \\
&:= 3 + (((33 \times (3+3)^3) + 333) + 3/3) \\
&:= 4 + (((44 \times (4 \times 44 - 4)) - 444/4) + 4) \\
&:= (5 \times ((5 \times 5 \times (55+5)) - 5)) - 5 - 5 \\
&:= 6 + ((66 \times (6+6) + 6666) + 6/6) \\
&:= 7 + (((7+7) \times (7 \times 77 - 7)) + ((77-7)/7)) \\
&:= 8 + (((88/8 - 8)^8 + 888) + 8) \\
&:= ((99+9+9)/9) + 9 \times (9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7470 &:= 1 + (11 \times (((1+1)^{11} - 11)/(1+1+1))) \\
&:= (2 \times 2 \times 22 + 2) \times ((2/2+2)^{2+2} + 2) \\
&:= (3^3+3) \times ((3+3)^3 + 33) \\
&:= (44+4/4) \times ((4-44)/4 + 4 \times 44) \\
&:= (5 \times ((5 \times 5 \times (55+5)) - 5)) - 5 \\
&:= 6 + ((66 \times (6+6) + 6666) + 6) \\
&:= 7/7 + (77 \times (7 \times (7+7) - 7/7)) \\
&:= (8/8+8) \times (8 \times (88+8+8) - ((8+8)/8)) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7461 &:= (1+1+1) \times (1 + ((1+1) \times (11 \times (1+1+111)))) \\
&:= ((22/2+2) \times (((22+2)^2) - 2)) - 2/2 \\
&:= 333 + (33 \times (3+3)^3) \\
&:= 4 + ((44 \times (4 \times 44 - 4)) - 444/4) \\
&:= (5/5+5)^5 - ((5 \times 5 + 5^5)/(5+5)) \\
&:= 6 + (((66-6/6) + 6) \times (666/6 - 6)) \\
&:= 7 + (((7+7) \times (7 \times 77 - 7)) - 7/7 + 7) \\
&:= (((8/8+88) + 8) \times (88 - 88/8)) - 8 \\
&:= 9 + 9 \times (9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7466 &:= 1 + (((11 \times ((1+1)^{11} - (1+11))) - 1)/(1+1+1)) \\
&:= (2 \times (2^{2+2+2} - 2)^2) - 222 \\
&:= ((3^3+3) \times ((3+3)^3 + 33)) - (3/3+3) \\
&:= (4 \times 44 + 44) - ((44/((4+4)/4)) + 4^4) \\
&:= (5/5+5)^5 + ((5 \times 5 - 5^5)/(5+5)) \\
&:= 6 + ((66 \times (6+6) + 6666) + ((6+6)/6)) \\
&:= 7 + (((7+7) \times (7 \times 77 - 7)) + (77/7)) \\
&:= ((8/8 - 88) \times (((8+8)/8) - 88)) - 8 - 8 \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 99) + ((9 \times 9 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7471 &:= 1 + (1 + (11 \times (((1+1)^{11} - 11)/(1+1+1)))) \\
&:= (22^2 - 2)/2 \times ((2/2+2)^2 + 22) \\
&:= 3/3 + ((3^3+3) \times ((3+3)^3 + 33)) \\
&:= 4^4 + (444/4 \times (4^4+4)/4) \\
&:= (5/5+5)^5 - (5 \times (55+5) + 5) \\
&:= 6 + (((66 \times (6+6) + 6666) + 6/6) + 6) \\
&:= (7+7)/7 + (77 \times (7 \times (7+7) - 7/7)) \\
&:= 8888 - ((88 \times (8+8) + 8/8) + 8) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 + 99) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7462 &:= (1+1+11) \times (((1+1) \times (1+11))^{1+1}) - (1+1) \\
&:= (22/2+2) \times (((22+2)^2) - 2) \\
&:= 3/3 + ((33 \times (3+3)^3) + 333) \\
&:= 4 + ((44 \times (4 \times 44 - 4)) + ((4-444)/4)) \\
&:= 5 + (((55+5)/5) \times ((5^5+5)/5 - 5)) + 5) \\
&:= 6 + (((6/6-6) \times ((6+6)/6)^6) + (6^{6-6/6})) \\
&:= 7 + (((7+7) \times (7 \times 77 - 7)) + 7) \\
&:= (8-8/8) \times (((88 \times (88+8) + 8) + 8)/8) + 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7467 &:= ((11 \times (1+11)) - 1) \times (1 + (1+111)/(1+1)) \\
&:= 2 + (((2/2+2)^{2+2} + 2)^2) + ((22+2)^2) \\
&:= ((3^3+3) \times ((3+3)^3 + 33)) - 3 \\
&:= 4 + (4 \times 4 + 4/4) \times (444 - (4/4+4)) \\
&:= (5 - (5+5)/5) \times (5^5 - ((55+5^5)/5)) \\
&:= 6 \times 6 + (((66+6/6) \times 666/6) - 6) \\
&:= (7 \times 77 \times (7+7)) - ((7+7)/7 + 77) \\
&:= 88/8 + (8 \times ((88/((8+8)/8)) + 888)) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 + 99) - ((9+9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7472 &:= 11^{1+1+1} + ((1+1+1) \times ((1+1)^{11} - 1)) \\
&:= 2 \times (2 \times (2 \times ((2 \times (2 \times 222 + 22)) + 2))) \\
&:= 3 + (((3^3+3) \times ((3+3)^3 + 33)) - 3/3) \\
&:= (4 \times (44 \times 44 - 4)) - 4^4 \\
&:= 5^5 + (((5+5)/5 + 5) \times ((5^5+5)/5 - 5)) \\
&:= 6 \times 6 + ((66/6) \times ((66-6)/6 + 666)) \\
&:= 7777 + ((7 \times (7-7 \times 7)) - (77/7)) \\
&:= 8888 - (88 \times (8+8) + 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 99) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7473 &:= (1 + (11 \times (1 + (1 + 1)^{11} - 11)))/(1 + 1 + 1) \\
&:= ((22/2 + 2) \times ((22 + 2)^2 - 2/2)) - 2 \\
&:= 3 + ((3^3 + 3) \times ((3 + 3)^3 + 33)) \\
&:= 4/4 + ((4 \times (44 \times 44 - 4)) - 4^4) \\
&:= (5 \times ((5 \times 5 \times (55 + 5)) - 5)) - (5 + 5)/5 \\
&:= 6 \times 6 + ((66 + 6/6) \times 666/6) \\
&:= 7 + (((7 + 7) \times (7 \times 77 - 7)) + (77/7)) + 7 \\
&:= ((88 - 8/8)^{(8+8)/8}) - (88 + 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 + 99) + (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7478 &:= (1 + 1) \times (((111 - 1) \times (1 + 11 \times (1 + 1 + 1))) - 1) \\
&:= (22 \times ((2 \times ((22/2 + 2)^2)) + 2)) - 2 \\
&:= (3 \times (3 \times ((3 \times 33 + 3^{3+3}) + 3))) - 3/3 \\
&:= (4 - 44)/4 + ((4 \times 44 \times 44) - 4^4) \\
&:= (5 + 5)/5 \times (((5^5 - 55)/5) + 5^5) \\
&:= (6 - 66)/6 + (6 \times ((6 \times (6 \times 6 \times 6 - 6)) - (6 + 6))) \\
&:= 7 + ((77 \times (7 \times (7 + 7) - 7/7)) + ((7 + 7)/7)) \\
&:= (8 - 88)/8 + (8 \times (8 \times 8 \times (8 + 8) - 88)) \\
&:= 999 + (9 \times (9 \times 9 \times 9 - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7483 &:= 1 + ((1 + 1) \times (1 + ((111 - 1) \times (1 + 11 \times (1 + 1 + 1)))))) \\
&:= 2 + ((22 \times ((2 \times ((22/2 + 2)^2)) + 2)) + 2/2) \\
&:= 3 + ((3/3 + 33) \times (((3 + 3)^3 + 3/3) + 3)) \\
&:= (4 \times 44 \times 44) - ((4/4 + 4^4) + 4) \\
&:= (((55 + 5)/5) \times (5^5 - 5)/5) - 5 \\
&:= 6 \times 6 + ((66/6) \times (666 + (66/6))) \\
&:= 7777 + (7 \times (7 - 7 \times 7)) \\
&:= 8/8 + ((8/8 - 88) \times (((8 + 8)/8) - 88)) \\
&:= ((999 + 9)/9) + (9 \times (9 \times (9 \times 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7474 &:= 11^{1+1+1} + (((1 + 1 + 1) \times (1 + 1)^{11}) - 1) \\
&:= 22 + ((22 + 2/2) \times ((2^{2+2} + 2)^2)) \\
&:= 3 + (((3^3 + 3) \times ((3 + 3)^3 + 33)) + 3/3) \\
&:= (4 + 4)/4 + ((4 \times (44 \times 44 - 4)) - 4^4) \\
&:= (5 \times ((5 \times 5 \times (55 + 5)) - 5)) - 5/5 \\
&:= (((666 - 6)/6) \times (((6 + 6)/6) + 66)) - 6 \\
&:= 7 + ((7 \times 77 \times (7 + 7)) - ((7 + 7)/7 + 77)) \\
&:= ((8/8 - 88) \times (((8 + 8)/8) - 88)) - 8 \\
&:= 9 \times 9 \times 99 - ((99 \times 99 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7479 &:= ((1 + 1) \times ((111 - 1) \times (1 + 11 \times (1 + 1 + 1)))) - 1 \\
&:= (22 \times ((2 \times ((22/2 + 2)^2)) + 2)) - 2/2 \\
&:= 3 \times (3 \times ((3 \times 33 + 3^{3+3}) + 3)) \\
&:= 4 + ((4^4 + 4)/4 \times (444/4 + 4)) \\
&:= 5 + ((5 \times ((5 \times 5 \times (55 + 5)) - 5)) - 5/5) \\
&:= 6 + (((66 + 6/6) \times 666/6) + 6 \times 6) \\
&:= (7 \times (77 \times (7 + 7) - 7)) - (77/7 + 7) \\
&:= (8/8 + 8) \times (8 \times (88 + 8 + 8) - 8/8) \\
&:= 999 + 9 \times (9 \times 9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7484 &:= (1 + 1) \times (1 + (1 + ((111 - 1) \times (1 + 11 \times (1 + 1 + 1)))))) \\
&:= 2 \times (2 \times (((2 \times 22) - 2/2)^2 + 22)) \\
&:= ((3 - 3 \times 33) \times (3 - 3 \times 3^3)) - (3/3 + 3) \\
&:= (4 \times 44 \times 44) - (4^4 + 4) \\
&:= (5 \times (5 \times 5 \times (55 + 5))) - (55/5 + 5) \\
&:= ((6 \times 6 - 6/6) \times (6 \times 6 \times 6 - (6 + 6)/6)) - 6 \\
&:= 7/7 + (7777 + (7 \times (7 - 7 \times 7))) \\
&:= 88 + ((88 - ((8 + 8)/8))^{(8+8)/8}) \\
&:= 9 + (((9 - 99 \times 99)/(9 + 9)) + 9 \times 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7475 &:= (1 + 1 + 11) \times (((1 + 1) \times (1 + 11))^{1+1}) - 1 \\
&:= (22/2 + 2) \times (((22 + 2)^2) - 2/2) \\
&:= (33/3)^3 + (3 \times (3 - 3/3)^{33/3}) \\
&:= (4^4 + 4)/4 \times (444/4 + 4) \\
&:= 5 \times ((5 \times 5 \times (55 + 5)) - 5) \\
&:= 6 + ((66/6) \times ((666 + 6/6 + 6) + 6)) \\
&:= 7 + ((7 \times 77 \times (7 + 7)) - (7/7 + 77)) \\
&:= (8/8 + 8 \times 8) \times (((88/8 + 88) + 8) + 8) \\
&:= 9 \times 9 \times 99 + ((9 - 99 \times 99)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7480 &:= (1 + 1) \times ((111 - 1) \times (1 + 11 \times (1 + 1 + 1))) \\
&:= 22 \times ((2 \times ((22/2 + 2)^2)) + 2) \\
&:= (3/3 + 33) \times (((3 + 3)^3 + 3/3) + 3) \\
&:= (4 \times 4 + 4/4) \times (444 - 4) \\
&:= 5 + (5 \times ((5 \times 5 \times (55 + 5)) - 5)) \\
&:= ((666 - 6)/6) \times (((6 + 6)/6) + 66) \\
&:= 77/7 + (77 \times (7 \times (7 + 7) - 7/7)) \\
&:= 88 \times ((88 - 88/8) + 8) \\
&:= 9/9 + (9 \times (9 \times 9 \times 9 - 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7485 &:= ((1 + 1 + 11) \times (((1 + 1) \times (1 + 11))^{1+1})) - 1 - 1 - 1 \\
&:= ((22/2 + 2) \times ((22 + 2)^2)) - 2/2 - 2 \\
&:= ((3 - 3 \times 33) \times (3 - 3 \times 3^3)) - 3 \\
&:= 4/4 + ((4 \times 44 \times 44) - (4^4 + 4)) \\
&:= 5 + ((5 \times ((5 \times 5 \times (55 + 5)) - 5)) + 5) \\
&:= (6 \times ((6 \times (6 \times 6 \times 6 - 6)) + 6)) - 666/6 \\
&:= (7 \times (77 \times (7 + 7) - 7)) - (77 + 7)/7 \\
&:= 8 + ((8 \times (8 \times 8 \times (8 + 8) - 88)) - (88/8)) \\
&:= 9 + (((9 \times 9 - 9/9) + 9) \times (((9 + 9 + 9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7476 &:= (1 + 11) \times (111 + (1 + 1)^{11-1-1}) \\
&:= ((2 \times 22) - 2) \times ((2 \times 2 \times 2 \times 22) + 2) \\
&:= 3 + (((3^3 + 3) \times ((3 + 3)^3 + 33)) + 3) \\
&:= 4 + ((4 \times (44 \times 44 - 4)) - 4^4) \\
&:= (5/5 + 5)^5 - 5 \times (55 + 5) \\
&:= (6 + 6) \times (6 \times (6 \times 6 + 66) + (66/6)) \\
&:= 7 + (77 \times (7 \times (7 + 7) - 7/7)) \\
&:= (8/8 + 88) \times (88 - 8 \times 8/(8 + 8)) \\
&:= ((9 \times 9 - 9/9) + 9) \times (((9 + 9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7481 &:= 1 + ((1 + 1) \times ((111 - 1) \times (1 + 11 \times (1 + 1 + 1)))) \\
&:= 2/2 + (22 \times ((2 \times ((22/2 + 2)^2)) + 2)) \\
&:= 33/3 + ((3^3 + 3) \times ((3 + 3)^3 + 33)) \\
&:= 4/4 + ((4 \times 4 + 4/4) \times (444 - 4)) \\
&:= 5 + ((5/5 + 5)^5 - 5 \times (55 + 5)) \\
&:= 66 \times 66 + ((6 - 6/6)^{6-6/6}) \\
&:= 7777 + ((7 \times (7 - 7 \times 7)) - ((7 + 7)/7)) \\
&:= ((88 - 8/8)^{(8+8)/8}) - 88 \\
&:= 9 + ((9 \times (9 \times 9 \times 9 + 99) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7486 &:= ((1 + 1 + 11) \times (((1 + 1) \times (1 + 11))^{1+1})) - 1 - 1 \\
&:= ((22/2 + 2) \times ((22 + 2)^2)) - 2 \\
&:= 3/3 + (((3 - 3 \times 33) \times (3 - 3 \times 3^3)) - 3) \\
&:= (4 \times 44 \times 44) - ((4 + 4)/4 + 4^4) \\
&:= 5 + (((5/5 + 5)^5 - 5 \times (55 + 5)) + 5) \\
&:= 6 + (((666 - 6)/6) \times (((6 + 6)/6) + 66)) \\
&:= (7 \times (77 \times (7 + 7) - 7)) - 77/7 \\
&:= (8 \times (8 \times 8 \times (8 + 8) - 88)) - (8 + 8)/8 \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 9) - ((9 + 9)/9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7477 &:= 1 + ((1 + 11) \times (111 + (1 + 1)^{11-1-1})) \\
&:= 2 + ((22/2 + 2) \times (((22 + 2)^2) - 2/2)) \\
&:= ((3 - 3 \times 33) \times (3 - 3 \times 3^3)) - 33/3 \\
&:= (4 \times 44 \times 44) - (44/4 + 4^4) \\
&:= 5/5 + ((5/5 + 5)^5 - 5 \times (55 + 5)) \\
&:= (6 \times ((6 \times (6 \times 6 \times 6 - 6)) - (6 + 6))) - 66/6 \\
&:= 7 + ((77 \times (7 \times (7 + 7) - 7/7)) + 7/7) \\
&:= (8 \times (8 \times 8 \times (8 + 8) - 88)) - 88/8 \\
&:= 999 + (9 \times (9 \times 9 \times 9 - 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7482 &:= (1 + 1) \times (1 + ((111 - 1) \times (1 + 11 \times (1 + 1 + 1)))) \\
&:= 2 + (22 \times ((2 \times ((22/2 + 2)^2)) + 2)) \\
&:= 3 + (3 \times (3 \times ((3 \times 33 + 3^{3+3}) + 3))) \\
&:= (44 - 4/4) \times (4 \times 44 - (4 + 4)/4) \\
&:= 5 + (((5/5 + 5)^5 - 5 \times (55 + 5)) + 5/5) \\
&:= (6 \times ((6 \times (6 \times 6 \times 6 - 6)) - (6 + 6))) - 6 \\
&:= 7777 + ((7 \times (7 - 7 \times 7)) - 7/7) \\
&:= (8/8 - 88) \times (((8 + 8)/8) - 88) \\
&:= 999/9 + (9 \times (9 \times (9 \times 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7487 &:= ((1 + 1 + 11) \times (((1 + 1) \times (1 + 11))^{1+1})) - 1 \\
&:= ((22/2 + 2) \times ((22 + 2)^2)) - 2/2 \\
&:= ((3 - 3 \times 33) \times (3 - 3 \times 3^3)) - 3/3 \\
&:= (4 \times 44 \times 44) - (4/4 + 4^4) \\
&:= (((55 + 5)/5) \times (5^5 - 5)/5) - 5/5 \\
&:= (6 \times ((6 \times (6 \times 6 \times 6 - 6)) - (6 + 6))) - 6/6 \\
&:= ((7 - 77)/7) + (7 \times (77 \times (7 + 7) - 7)) \\
&:= (8 \times (8 \times 8 \times (8 + 8) - 88)) - 8/8 \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 9) - 9/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7488 &:= (1+1+11) \times (((1+1) \times (1+11))^{1+1}) \\
&:= (22/2+2) \times ((22+2)^2) \\
&:= (3-3 \times 33) \times (3-3 \times 3^3) \\
&:= (4 \times 44 \times 44) - 4^4 \\
&:= ((55+5)/5) \times (5^5-5)/5 \\
&:= 6 \times ((6 \times (6 \times 6 \times 6-6)) - (6+6)) \\
&:= (7/7+77) \times (7 \times (7+7) - ((7+7)/7)) \\
&:= 8 \times (8 \times 8 \times (8+8) - 88) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7493 &:= 11 \times 111 + (((1+111))^{1+1})/(1+1) \\
&:= 2 + (((22/2+2) \times ((22+2)^2) + 2/2) + 2) \\
&:= 3 + ((33 \times ((3+3)^3 + 33/3)) - 3/3) \\
&:= 4 + (((4 \times 44 \times 44) - 4^4) + 4/4) \\
&:= 5 + (((55+5)/5) \times (5^5-5)/5) \\
&:= (6 \times (6 \times (6 \times 6 \times 6-6))) - (66+6/6) \\
&:= 7 + ((7 \times (77 \times (7+7) - 7)) - (77/7)) \\
&:= 8 + (((8 \times (8 \times 8 \times (8+8) - 88)) - (88/8)) + 8) \\
&:= 99 \times (9 \times 9 - 9) + ((9 \times 9 \times 9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7498 &:= (((11 \times (1+1))^{11}) - 1)/(1+1+1) - 11 \\
&:= (22+2/2) \times (((2^{2+2}+2)^2) + 2) \\
&:= 3/3 + (3 \times ((3 \times (3+3))^3 - 3333)) \\
&:= (((4+4)+4) \times (4/4+4^4) - (4+4)/4) \\
&:= (5+5)/5 \times ((5^5-5)/5+5^5) \\
&:= ((66+6/6) \times (666+6)/6) - 6 \\
&:= 7/7 + (7 \times (77 \times (7+7) - 7)) \\
&:= 8 + (((8/8-88) \times (((8+8)/8) - 88)) + 8) \\
&:= 9 \times 9 \times 99 - (((9+9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7489 &:= 1 + ((1+1+11) \times (((1+1) \times (1+11))^{1+1})) \\
&:= 2/2 + ((22/2+2) \times ((22+2)^2)) \\
&:= 3/3 + ((3-3 \times 33) \times (3-3 \times 3^3)) \\
&:= 4/4 + ((4 \times 44 \times 44) - 4^4) \\
&:= (5 \times (5 \times 5 \times (55+5))) - 55/5 \\
&:= 6/6 + (6 \times ((6 \times (6 \times 6 \times 6-6)) - (6+6))) \\
&:= (7 \times (77 \times (7+7) - 7)) - (7/7+7) \\
&:= 8/8 + (8 \times (8 \times 8 \times (8+8) - 88)) \\
&:= 9 \times 9 \times 99 - (((9+9)/9)^9 + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7494 &:= 1 + (11 \times 111 + (((1+111))^{1+1})/(1+1)) \\
&:= (2/2+2) \times ((2 \times (22+2) + 2)^2 - 2) \\
&:= 3 + (33 \times ((3+3)^3 + 33/3)) \\
&:= 4 + (((4 \times 44 \times 44) - 4^4) + (4+4)/4) \\
&:= (5/5+5) \times ((5^5-5+5^5)/5) \\
&:= (6 \times (6 \times (6 \times 6 \times 6-6))) - 66 \\
&:= (7 \times (77 \times (7+7) - 7)) - (7+7+7)/7 \\
&:= 8 + ((8 \times (8 \times 8 \times (8+8) - 88)) - ((8+8)/8)) \\
&:= 9 + (((9 \times 9 - 9/9) + 9) \times (((9+9+9)/9) + 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7499 &:= ((1+11) \times (1 + (1+1) \times (1+11))^{1+1}) - 1 \\
&:= 2 + ((2^{2+2} + 2/2) \times ((22 - 2/2)^2)) \\
&:= 33/3 + ((3 - 3 \times 33) \times (3 - 3 \times 3^3)) \\
&:= (((4+4)+4) \times (4/4+4^4) - 4/4) \\
&:= (5 \times (5 \times 5 \times (55+5))) - 5/5 \\
&:= 6 + ((6 \times (6 \times (6 \times 6 \times 6-6))) - (66+6/6)) \\
&:= (7+7)/7 + (7 \times (77 \times (7+7) - 7)) \\
&:= 88/8 + (8 \times (8 \times 8 \times (8+8) - 88)) \\
&:= 9 + ((9/9+9) \times ((9 \times 9 \times 9 + (99/9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7490 &:= 1 + (1 + ((1+1+11) \times (((1+1) \times (1+11))^{1+1}))) \\
&:= 2 + ((22/2+2) \times ((22+2)^2)) \\
&:= (33 \times ((3+3)^3 + 33/3)) - 3/3 \\
&:= (4+4)/4 + ((4 \times 44 \times 44) - 4^4) \\
&:= (5 \times (5 \times 5 \times (55+5))) - 5 - 5 \\
&:= (6 \times 6 - 6/6) \times (6 \times 6 \times 6 - (6+6)/6) \\
&:= (7 \times (77 \times (7+7) - 7)) - 7 \\
&:= 8 + ((8/8 - 88) \times (((8+8)/8) - 88)) \\
&:= (9/9+9) \times ((9 \times 9 \times 9 + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7495 &:= ((1 + (11 \times ((1+1)^{11} - 1)))/(1+1+1)) - 11 \\
&:= ((2^{2+2} + 2/2) \times ((22 - 2/2)^2)) - 2 \\
&:= 3 + ((33 \times ((3+3)^3 + 33/3)) + 3/3) \\
&:= (((4+4)+4) \times (4/4+4^4) - 4/4 - 4) \\
&:= (5 \times (5 \times 5 \times (55+5))) - 5 \\
&:= 6/6 + ((6 \times (6 \times (6 \times 6 \times 6-6))) - 66) \\
&:= (7 \times (77 \times (7+7) - 7)) - (7+7)/7 \\
&:= 8 + ((8 \times (8 \times 8 \times (8+8) - 88)) - 8/8) \\
&:= 99 + (((9 \times 9 + 9)/(9+9)) + 9 \times 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7500 &:= (1+11) \times (1 + (1+1) \times (1+11))^{1+1} \\
&:= (2/2+2) \times (2 \times (22+2) + 2)^2 \\
&:= (3+3) \times ((33/3)^3 - 3 \times 3^3) \\
&:= ((4+4)+4) \times (4/4+4^4) \\
&:= 5 \times (5 \times 5 \times (55+5)) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 \times 6-6))) - 66) \\
&:= (7+7+7)/7 + (7 \times (77 \times (7+7) - 7)) \\
&:= 8 \times 888 + (88 \times (8 \times 8 + 8)/(8+8)) \\
&:= 99 + (9 \times 9 \times (9 \times 9 + 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7491 &:= 11 \times (((1+(1+1))^{11})/(1+1+1)) - (1+1) \\
&:= 2 + (((22/2+2) \times ((22+2)^2)) + 2/2) \\
&:= 33 \times ((3+3)^3 + 33/3) \\
&:= 4 + ((4 \times 44 \times 44) - (4/4+4^4)) \\
&:= 55/5 \times ((5^5+5)/5+55) \\
&:= 66/6 \times (66 \times (6+6) - 666/6) \\
&:= 7/7 + ((7 \times (77 \times (7+7) - 7)) - 7) \\
&:= 88/8 + (88 \times ((88-88/8) + 8)) \\
&:= 9 + ((9 \times (9 \times (9 \times 9 + 9) + 9)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7496 &:= (1+1)^{1+1+1} \times ((1+1)^{11} - 1111) \\
&:= 2 \times ((2 \times (2 \times 22 + 2)^2) - 22^2) \\
&:= 333 + ((33/3)^3 + (3 \times (3+3))^3) \\
&:= (((4+4)+4) \times (4/4+4^4) - 4) \\
&:= (5/5+5)^5 - (5 \times 55+5) \\
&:= (6 \times (6 \times (6 \times 6 \times 6-6))) - ((6+6)/6)^6 \\
&:= (7 \times (77 \times (7+7) - 7)) - 7/7 \\
&:= 8 + (8 \times (8 \times 8 \times (8+8) - 88)) \\
&:= 9 \times 9 \times 99 - (((9+9)/9)^9) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7501 &:= 1 + ((1+11) \times (1 + (1+1) \times (1+11))^{1+1}) \\
&:= (22/2+2) \times (((22+2)^2) + 2/2) \\
&:= 3/3 + ((3+3) \times ((33/3)^3 - 3 \times 3^3)) \\
&:= 4/4 + (((4+4)+4) \times (4/4+4^4)) \\
&:= (5/5+5)^5 - 5 \times 55 \\
&:= 6 + (((6 \times (6 \times (6 \times 6 \times 6-6))) - 66) + 6/6) \\
&:= 77/7 + ((7 \times (77 \times (7+7) - 7)) - 7) \\
&:= (88+8+8)/8 \times (8 \times (8 \times 8 + 8) + 8/8) \\
&:= 99 + (9 \times 9 \times (9 \times 9 + 9) + ((999+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7492 &:= 1 + (11 \times (((1+(1+1))^{11})/(1+1+1)) - (1+1)) \\
&:= 2 + (((22/2+2) \times ((22+2)^2)) + 2) \\
&:= 3/3 + (33 \times ((3+3)^3 + 33/3)) \\
&:= 4 + ((4 \times 44 \times 44) - 4^4) \\
&:= (5+5)/5 \times (((5^5+5)/5-5) + 5^5) \\
&:= (6 \times (6 \times (6 \times 6 \times 6-6))) - (((6+6)/6) + 66) \\
&:= (7+7)/7 + ((7 \times (77 \times (7+7) - 7)) - 7) \\
&:= 8 + (((88 - ((8+8)/8))^{(8+8)/8}) + 88) \\
&:= 9 + ((9 \times (9 \times (9 \times 9 + 9) + 9)) + ((999+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7497 &:= (1+1+1) \times (((11-1))^{1+1}/(1+1))^{1+1} - 1 \\
&:= (2^{2+2} + 2/2) \times ((22 - 2/2)^2) \\
&:= 3 \times ((3 \times (3+3))^3 - 3333) \\
&:= 4/4 + (((4+4)+4) \times (4/4+4^4) - 4) \\
&:= 5/5 + ((5/5+5)^5 - (5 \times 55+5)) \\
&:= 66 + (((66+6/6) \times 666/6) - 6) \\
&:= 7 \times (77 \times (7+7) - 7) \\
&:= (8 \times 8 - 8/8) \times (888/8 + 8) \\
&:= 9 + ((9 \times (9 \times 9 \times 9 - 9) + 999) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7502 &:= 11 \times (((1+1))^{11} - (1+1))/(1+1+1) \\
&:= (22/2)^2 \times (2^{2+2+2} - 2) \\
&:= ((3^3 + 3/3) + 3) \times ((3^{3+3} - 3)/3) \\
&:= (4+4)/4 + (((4+4)+4) \times (4/4+4^4)) \\
&:= 5/5 + ((5/5+5)^5 - 5 \times 55) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 \times 6-6))) - ((6+6)/6)^6) \\
&:= 7 + ((7 \times (77 \times (7+7) - 7)) - ((7+7)/7)) \\
&:= 88/8 \times (8 \times 88 - (88+88)/8) \\
&:= 99/9 \times ((99/9) \times (9 \times 9 - (9/9+9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7503 &:= 1 + (11 \times ((1+1)^{11} - (1+1)) / (1+1+1)) \\
&:= ((2 - 22^2) / 2) + (2 \times 2 \times 22)^2 \\
&:= (3 \times (33/3 + 3)^3) - 3^{3+3} \\
&:= 4 + (((4+4) + 4) \times (4/4 + 4)^4) - 4/4 \\
&:= 5 + ((5+5)/5 \times ((5^5 - 5)/5 + 5^5)) \\
&:= 66 + ((66 + 6/6) \times 666/6) \\
&:= 7 + ((7 \times (77 \times (7+7) - 7)) - 7/7) \\
&:= 8 + (((8 \times (8 \times 8 \times (8+8) - 88)) - 8/8) + 8) \\
&:= (9 \times (9 \times 9 \times 9 + 99 + 9)) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7504 &:= (1 + 111) \times (1 + ((1+1) \times (11 \times (1+1+1)))) \\
&:= 2 + ((22/2)^2 \times (2^{2+2+2} - 2)) \\
&:= (((3/3 + 3)^3) + 3) \times ((333 + 3)/3) \\
&:= 4 + (((4+4) + 4) \times (4/4 + 4)^4) \\
&:= 5 + ((5 \times (5 \times 5 \times (55 + 5))) - 5/5) \\
&:= (66 + 6/6) \times (666 + 6)/6 \\
&:= 7 + (7 \times (77 \times (7+7) - 7)) \\
&:= 8 + ((8 \times (8 \times 8 \times (8+8) - 88)) + 8) \\
&:= 9 \times (9 \times 9 \times 9 - 9) + (((9+9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7505 &:= ((11 \times ((1+1)^{11} - 1)) - (1+1)) / (1+1+1) \\
&:= 2 + (((2 - 22^2) / 2) + (2 \times 2 \times 22)^2) \\
&:= 3 + (((3^3 + 3/3) + 3) \times ((3^{3+3} - 3)/3)) \\
&:= 4 + (((4+4) + 4) \times (4/4 + 4)^4) + 4/4 \\
&:= 5 + (5 \times (5 \times 5 \times (55 + 5))) \\
&:= ((6/6 + 6 + 6) + 6) \times (6 \times 66 - 6/6) \\
&:= 7 + ((7 \times (77 \times (7+7) - 7)) + 7/7) \\
&:= ((88 - 8/8)^{(8+8)/8}) - 8 \times 8 \\
&:= (((9+9)/9)^9) + 999 \times (9 - (9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7506 &:= (1 + (11 \times ((1+1)^{11} - 1))) / (1+1+1) \\
&:= (2/2 + 2) \times ((2 \times (22 + 2) + 2)^2 + 2) \\
&:= 3 + ((3 \times (33/3 + 3)^3) - 3^{3+3}) \\
&:= 4 + (((4+4) + 4) \times (4/4 + 4)^4) + (4+4)/4 \\
&:= 5 + ((5/5 + 5)^5 - 5 \times 55) \\
&:= 6 + (((6 \times (6 \times (6 \times 6 \times 6 - 6))) - 66) + 6) \\
&:= 7 + ((7 \times (77 \times (7+7) - 7)) + ((7+7)/7)) \\
&:= 8/8 + (((88 - 8/8)^{(8+8)/8}) - 8 \times 8) \\
&:= 9 \times (9999 + 9) / ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7507 &:= 1 + ((1 + (11 \times ((1+1)^{11} - 1))) / (1+1+1)) \\
&:= 222/2 + ((2 \times 2 \times 22 - 2)^2) \\
&:= 3 \times (3+3)^3 + (((3 \times (3+3)) + 3/3)^3) \\
&:= 4 + (((4+4) + 4) \times (4/4 + 4)^4) - 4/4 + 4 \\
&:= (((55 + 5)/5) \times (5^5 + 5)/5) - 5 \\
&:= (6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) - (66/6 + 6) \\
&:= ((77 - 7)/7) + (7 \times (77 \times (7+7) - 7)) \\
&:= 8 + ((8 \times (8 \times 8 \times (8+8) - 88)) + (88/8)) \\
&:= 9 \times 9 \times 99 - ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7508 &:= (((11 \times (1+1)^{11}) - 1) / (1+1+1)) - 1 \\
&:= (222 \times (2 + 2 + 2)^2) - 22^2 \\
&:= 3 + (((3^3 + 3/3) + 3) \times ((3^{3+3} - 3)/3)) + 3 \\
&:= 4 + (((4+4) + 4) \times (4/4 + 4)^4) + 4 \\
&:= (5+5)/5 \times (((5^5 - 5)/5 + 5^5) + 5) \\
&:= 6 + (((6 \times (6 \times (6 \times 6 \times 6 - 6))) - ((6+6)/6)^6) + 6) \\
&:= 77/7 + (7 \times (77 \times (7+7) - 7)) \\
&:= 8 + ((8 \times (8 \times 8 \times (8+8) - 88)) + ((88 + 8)/8)) \\
&:= 9/9 + (9 \times 9 \times 99 - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7509 &:= ((11 \times (1+1)^{11}) - 1) / (1+1+1) \\
&:= 2 + (((2 \times 2 \times 22 - 2)^2) + 222/2) \\
&:= 3 + (((3 \times (33/3 + 3)^3) - 3^{3+3}) + 3) \\
&:= 4 + (((4+4) + 4) \times (4/4 + 4)^4) + 4/4 + 4 \\
&:= 5 + (((5 \times (5 \times 5 \times (55 + 5))) - 5/5) + 5) \\
&:= 6 + (((66 + 6/6) \times 666/6) + 66) \\
&:= (77 + 7)/7 + (7 \times (77 \times (7+7) - 7)) \\
&:= 8 + ((88 + 8 + 8)/8 \times (8 \times (8 \times 8 + 8) + 8/8)) \\
&:= (9+9)/9 + (9 \times 9 \times 99 - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7510 &:= 1 + (((11 \times (1+1)^{11}) - 1) / (1+1+1)) \\
&:= 22 + ((22/2 + 2) \times ((22 + 2)^2)) \\
&:= 3 + (((3 \times (3+3)) + 3/3)^3) + 3 \times (3+3)^3 \\
&:= (44 - 4)/4 + (((4+4) + 4) \times (4/4 + 4)^4) \\
&:= 5 + ((5 \times (5 \times 5 \times (55 + 5))) + 5) \\
&:= 6 + ((66 + 6/6) \times (666 + 6)/6) \\
&:= 7 + (((7 \times (77 \times (7+7) - 7)) - 7/7) + 7) \\
&:= 8 + (88/8 \times (8 \times 88 - (88 + 88)/8)) \\
&:= (9/9 + 9) \times (((99 + 99)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7511 &:= 1 + (1 + ((11 \times (1+1)^{11}) - 1) / (1+1+1)) \\
&:= (2222/2) + ((2 \times 2 \times (22 - 2))^2) \\
&:= 3 \times 3^{3+3} + ((3/3 + 3) \times (33/3)^3) \\
&:= 44/4 + (((4+4) + 4) \times (4/4 + 4)^4) \\
&:= 5 + (((5/5 + 5)^5 - 5 \times 55) + 5) \\
&:= 6 + (((6/6 + 6 + 6) + 6) \times (6 \times 66 - 6/6)) \\
&:= 7 + ((7 \times (77 \times (7+7) - 7)) + 7) \\
&:= 8888/8 + 8 \times (888 - 88) \\
&:= 9 \times 9 \times 99 + ((9 - 9 \times 999) / (9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7512 &:= (11 \times ((1 + (1+1)^{11}) / (1+1+1))) - 1 \\
&:= ((22/2 + 2) \times (((22 + 2)^2) + 2)) - 2 \\
&:= (3 \times ((33/3 + 3)^3 + 3)) - 3^{3+3} \\
&:= (4 - 4/4) \times ((4 \times (4/4 + 4)^4) + 4) \\
&:= ((55 + 5)/5) \times (5^5 + 5)/5 \\
&:= (6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) - 6 - 6 \\
&:= 7 + (((7 \times (77 \times (7+7) - 7)) + 7/7) + 7) \\
&:= 8 + (((8 \times (8 \times 8 \times (8+8) - 88)) + 8) + 8) \\
&:= (9 - 9/9) \times ((999/9 + 9 \times 9 \times 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7513 &:= 11 \times ((1 + (1+1)^{11}) / (1+1+1)) \\
&:= (2 \times 2 \times 22)^2 + ((22 - 22^2) / 2) \\
&:= 33/3 \times ((33/3)^3 - 3 \times (3+3)^3) \\
&:= 4/4 + ((4 - 4/4) \times ((4 \times (4/4 + 4)^4) + 4)) \\
&:= 5 \times 5 + (((55 + 5)/5) \times (5^5 - 5)/5) \\
&:= 66/6 \times ((666 + (66/6)) + 6) \\
&:= 7 + (((7 \times (77 \times (7+7) - 7)) + ((7+7)/7)) + 7) \\
&:= 8 + (((88 - 8/8)^{(8+8)/8}) - 8 \times 8) \\
&:= 99/9 \times (((((9+9)/9)^9) + 9 \times (9+9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7514 &:= 1 + (11 \times ((1 + (1+1)^{11}) / (1+1+1))) \\
&:= (22/2 + 2) \times (((22 + 2)^2) + 2) \\
&:= (3^3 - 3/3) \times (3 \times (3 \times 33 - 3) + 3/3) \\
&:= (4 \times 4 + 4/4) \times (444 - (4+4)/4) \\
&:= (5 \times ((5 \times 5 \times (55 + 5)) + 5)) - 55/5 \\
&:= (6 - 66)/6 + (6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) \\
&:= 7 + ((7 \times (77 \times (7+7) - 7)) + ((77 - 7)/7)) \\
&:= 8 + (((88 - 8/8)^{(8+8)/8}) - 8 \times 8) + 8/8 \\
&:= 9 \times (9 \times 9 \times 9 + 99 + 9) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7515 &:= 1 + (1 + (11 \times ((1 + (1+1)^{11}) / (1+1+1)))) \\
&:= 2/2 + ((22/2 + 2) \times (((22 + 2)^2) + 2)) \\
&:= 3 \times ((3^3 \times (3 \times (3^3 + 3) + 3)) - (3 + 3)) \\
&:= 4 + (((4+4) + 4) \times (4/4 + 4)^4) + 44/4 \\
&:= 5 + (((5 \times (5 \times 5 \times (55 + 5))) + 5) + 5) \\
&:= 6 + (((66 + 6/6) \times 666/6) + 66) + 6 \\
&:= 7 + ((7 \times (77 \times (7+7) - 7)) + (77/7)) \\
&:= (8 - 8/8 + 8) \times (8 \times 8 \times 8 - 88/8) \\
&:= 9 \times (9 \times 9 \times 9 + 99 + 9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7516 &:= 1 + (1 + (1 + (11 \times ((1 + (1+1)^{11}) / (1+1+1)))) \\
&:= (22 - 2)^{2/2+2} - 22^2 \\
&:= (3 \times ((3+3)^3 + 3)) + (((3 \times (3+3)) + 3/3)^3) \\
&:= 4 \times (((4 - 4/4) \times (4/4 + 4)^4) + 4) \\
&:= 5 + (((5/5 + 5)^5 - 5 \times 55) + 5) + 5 \\
&:= 6 + (((66 + 6/6) \times (666 + 6)/6) + 6) \\
&:= ((7+7) \times (7 \times 77 + 7)) - ((7+7)/7)^7 \\
&:= 8/8 + ((8 - 8/8 + 8) \times (8 \times 8 \times 8 - 88/8)) \\
&:= 9 + (9 \times 9 \times 99 - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7517 &:= (1 + (11 \times (1 + (1 + (1+1)^{11}))) / (1+1+1)) \\
&:= (22/2)^2 + ((2 \times 2 \times 22 - 2)^2) \\
&:= 3 + ((3^3 - 3/3) \times (3 \times (3 \times 33 - 3) + 3/3)) \\
&:= 4 \times 4 + (((4+4) + 4) \times (4/4 + 4)^4) + 4/4 \\
&:= 5 + (((55 + 5)/5) \times (5^5 + 5)/5) \\
&:= (6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) - 6/6 - 6 \\
&:= (7 \times (77 \times (7+7) + 7)) - 7/7 - 77 \\
&:= (8 \times (888 + 8 \times 8)) - (88/8 + 88) \\
&:= 9 + ((9 \times 9 \times 99 - ((9+9)/9)^9) + 9/9)
\end{aligned}$$

- ▶ **7518** := $1 + ((1 + (11 \times (1 + (1 + (1 + 1)^{11})))) / (1 + 1 + 1))$
:= $2 + ((22 - 2)^{2/2+2} - 22^2)$
:= $3^3 + (33 \times ((3 + 3)^3 + 33/3))$
:= $4 + ((4 \times 4 + 4/4) \times (444 - (4 + 4)/4))$
:= $5 + (((55 + 5)/5) \times (5^5 + 5)/5 + 5/5)$
:= $6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6) - 6$
:= $(7 + 7) \times (7 \times 77 - ((7 + 7)/7))$
:= $(8 - 88)/8 + ((8 \times (888 + 8 \times 8)) - 88)$
:= $99/9 + (9 \times 9 \times 99 - ((9 + 9)/9)^9)$
- ▶ **7519** := $11 + (((11 \times (1 + 1)^{11}) - 1) / (1 + 1 + 1)) - 1$
:= $2 + (((2 \times 2 \times 22 - 2)^2) + (22/2)^2)$
:= $((3 + 3)^3 + 3)/3 \times ((3 \times 33 + 3/3) + 3)$
:= $((44 - 4) \times (444 - 4^4)) - 4/4$
:= $(5 \times ((5 \times 5 \times (55 + 5)) + 5)) - (5/5 + 5)$
:= $6/6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) - 6) - 6$
:= $7/7 + ((7 + 7) \times (7 \times 77 - ((7 + 7)/7)))$
:= $((8/8 + 8 \times 8) + 8) \times (888/8 - 8)$
:= $9 \times 9 \times 99 - ((9 \times 999 + 9) / (9 + 9))$
- ▶ **7520** := $11 + (((11 \times (1 + 1)^{11}) - 1) / (1 + 1 + 1))$
:= $(2 \times 2 \times 22)^2 - (222 + 2)$
:= $(33 - 3/3) \times (((3^3+3) - 33)/3 + 3)$
:= $(44 - 4) \times (444 - 4^4)$
:= $(5 \times ((5 \times 5 \times (55 + 5)) + 5)) - 5$
:= $(6 + 6)/6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) - 6) - 6$
:= $(7 + 7)/7 + ((7 + 7) \times (7 \times 77 - ((7 + 7)/7)))$
:= $(88 - 8) \times ((88 - ((8 + 8)/8)) + 8)$
:= $9 \times 9 \times 99 + ((9 - 9 \times 999) / (9 + 9))$
- ▶ **7521** := $1 + (11 + (((11 \times (1 + 1)^{11}) - 1) / (1 + 1 + 1)))$
:= $(2 \times 2 \times 22)^2 - (222 + 2/2)$
:= $(33 \times (((3 + 3)^3 + 3 \times 3) + 3)) - 3$
:= $4/4 + ((44 - 4) \times (444 - 4^4))$
:= $(5 \times (5 - 55)) + ((5/5 + 5)^5 - 5)$
:= $(6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) - 6 \times 6 / (6 + 6)$
:= $7777 - (((7 + 7)/7)^{7+7/7})$
:= $(8 \times (8 \times (8 + 8) - 8)) + (88/8 - 8)^8$
:= $(9/9 + 99 + 9) \times (9 \times 9 - (99 + 9)/9)$
- ▶ **7522** := $(11 \times (1 + ((1 + (1 + 1)^{11}) / (1 + 1 + 1)))) - 1 - 1$
:= $(2 \times 2 \times 22)^2 - 222$
:= $3/3 + ((33 \times (((3 + 3)^3 + 3 \times 3) + 3)) - 3)$
:= $(4 + 4)/4 + ((44 - 4) \times (444 - 4^4))$
:= $5 + (((55 + 5)/5) \times (5^5 + 5)/5 + 5)$
:= $(6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) - (6 + 6)/6$
:= $7 + (((7 \times (77 \times (7 + 7) - 7)) + (77/7)) + 7)$
:= $88 \times 88 - (((8 + 8)/8) \times 888/8)$
:= $9 \times (9 \times 9 \times 9 + 99 + 9) - 99/9$
- ▶ **7523** := $(11 \times (1 + ((1 + (1 + 1)^{11}) / (1 + 1 + 1)))) - 1$
:= $2/2 + ((2 \times 2 \times 22)^2 - 222)$
:= $(33 \times (((3 + 3)^3 + 3 \times 3) + 3)) - 3/3$
:= $(44 \times (4 \times 44 - 4)) - (44 + 4/4)$
:= $(5 \times ((5 \times 5 \times (55 + 5)) + 5)) - (5 + 5)/5$
:= $(6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) - 6/6$
:= $7 + (((7 + 7) \times (7 \times 77 + 7)) - ((7 + 7)/7)^7)$
:= $8 + ((8 - 8/8 + 8) \times (8 \times 8 \times 8 - 88/8))$
:= $9 \times (9 \times 9 \times 9 + 99 + 9) - 9/9 - 9$
- ▶ **7524** := $11 \times (1 + ((1 + (1 + 1)^{11}) / (1 + 1 + 1)))$
:= $2 + ((2 \times 2 \times 22)^2 - 222)$
:= $33 \times (((3 + 3)^3 + 3 \times 3) + 3)$
:= $44 \times (4 \times 44 - (4/4 + 4))$
:= $((55 + 5)/5) \times (5^5 + 5 + 5)/5$
:= $6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)$
:= $(77 - 7/7) \times (7 \times (7 + 7) + 7/7)$
:= $8 \times (8 + 8) + ((88 - ((8 + 8)/8))^{(8+8)/8})$
:= $9 \times (9 \times 9 \times 9 + 99 + 9) - 9$
- ▶ **7525** := $1 + (11 \times (1 + ((1 + (1 + 1)^{11}) / (1 + 1 + 1))))$
:= $((2 \times 2 \times 22 - 2/2)^2) - (2 \times 22)$
:= $3/3 + (33 \times (((3 + 3)^3 + 3 \times 3) + 3))$
:= $(44 - 4/4) \times (4 \times 44 - 4/4)$
:= $5 \times ((5 \times 5 \times (55 + 5)) + 5)$
:= $6/6 + (6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6))$
:= $77 + ((7 + 7) \times (7 \times 77 - 7))$
:= $8 + ((8 \times (888 + 8 \times 8)) - (88/8 + 88))$
:= $9 + ((9 \times 9 \times 99 - ((9 + 9)/9)^9) + 9)$
- ▶ **7526** := $1 + (1 + (11 \times (1 + ((1 + (1 + 1)^{11}) / (1 + 1 + 1))))$
:= $2 + (((2 \times 2 \times 22)^2 - 222) + 2)$
:= $3 + ((33 \times (((3 + 3)^3 + 3 \times 3) + 3)) - 3/3)$
:= $4/4 + ((44 - 4/4) \times (4 \times 44 - 4/4))$
:= $(5 \times (5 - 55)) + (5/5 + 5)^5$
:= $(6 + 6)/6 + (6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6))$
:= $7/7 + (((7 + 7) \times (7 \times 77 - 7)) + 77)$
:= $(8 \times (888 + 8 \times 8)) - ((8 + 8)/8 + 88)$
:= $(9 + 9)/9 + (9 \times (9 \times 9 \times 9 + 99 + 9) - 9)$
- ▶ **7527** := $1 + (1 + (1 + (11 \times (1 + ((1 + (1 + 1)^{11}) / (1 + 1 + 1))))$
:= $2 + (((2 \times 2 \times 22 - 2/2)^2) - (2 \times 22))$
:= $3 + (33 \times (((3 + 3)^3 + 3 \times 3) + 3))$
:= $((4 \times 4 + 4/4) \times (444 - 4/4)) - 4$
:= $5/5 + ((5 \times (5 - 55)) + (5/5 + 5)^5)$
:= $(6 \times 6 / (6 + 6)) + (6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6))$
:= $(7 \times 77 \times (7 + 7)) - ((77 + 7)/7 + 7)$
:= $(8 \times (888 + 8 \times 8)) - (8/8 + 88)$
:= $9 + ((9 \times 9 \times 99 - ((9 + 9)/9)^9) + (99/9))$
- ▶ **7528** := $11 + ((1 + (11 \times (1 + (1 + (1 + 1)^{11})))) / (1 + 1 + 1))$
:= $2 \times ((22 \times (((22/2 + 2)^2) + 2)) + 2)$
:= $3 + ((33 \times (((3 + 3)^3 + 3 \times 3) + 3)) + 3/3)$
:= $4 + 44 \times (4 \times 44 - (4/4 + 4))$
:= $(5/5 + 5)^5 - (((5 - (5 + 5)/5)^5) + 5)$
:= $6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) - ((6 + 6)/6))$
:= $(7 \times 77 \times (7 + 7)) - (77/7 + 7)$
:= $(8 \times (888 + 8 \times 8)) - 88$
:= $9 + (9 \times 9 \times 99 - ((9 \times 999 + 9) / (9 + 9)))$
- ▶ **7529** := $((11 \times ((111 / (1 + 1 + 1))^{1+1}) - 1) / (1 + 1))$
:= $2 \times 22^2 + (2/2 + 2)^{2 \times (2+2)}$
:= $(3 \times (3^3 \times (3 \times (3^3 + 3) + 3))) - (3/3 + 3)$
:= $4 + ((44 - 4/4) \times (4 \times 44 - 4/4))$
:= $5 + (((55 + 5)/5) \times (5^5 + 5 + 5)/5)$
:= $6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) - 6/6)$
:= $((7 - 77)/7) + ((7 \times 77 \times (7 + 7)) - 7)$
:= $8/8 + ((8 \times (888 + 8 \times 8)) - 88)$
:= $9 + (((9 - 9 \times 999) / (9 + 9)) + 9 \times 9 \times 99)$
- ▶ **7530** := $(1 + (11 \times ((111 / (1 + 1 + 1))^{1+1}))) / (1 + 1)$
:= $(2 \times (2 \times ((2 \times 22)^2 + 2))) - 222$
:= $(3 \times (3^3 \times (3 \times (3^3 + 3) + 3))) - 3$
:= $((4/4 - 4^4) + 4) \times ((4 + 4)/4 - 4 \times (4 + 4))$
:= $5 + (5 \times ((5 \times 5 \times (55 + 5)) + 5))$
:= $6 + (6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6))$
:= $((7 + 7)/7) \times (7 \times 7 \times 77 - (7/7 + 7))$
:= $(8 + 8)/8 + ((8 \times (888 + 8 \times 8)) - 88)$
:= $9 \times (9 \times 9 \times 9 + 99 + 9) - (9 + 9 + 9)/9$
- ▶ **7531** := $1 + ((1 + (11 \times ((111 / (1 + 1 + 1))^{1+1}))) / (1 + 1))$
:= $2 + ((2/2 + 2)^{2 \times (2+2)} + 2 \times 22^2)$
:= $3/3 + ((3 \times (3^3 \times (3 \times (3^3 + 3) + 3))) - 3)$
:= $(4 \times 4 + 4/4) \times (444 - 4/4)$
:= $5 + ((5 \times (5 - 55)) + (5/5 + 5)^5)$
:= $6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) + 6/6)$
:= $(7 \times 77 \times (7 + 7)) - (7/7 + 7 + 7)$
:= $8 + (((8 - 8/8 + 8) \times (8 \times 8 \times 8 - 88/8)) + 8)$
:= $9 \times (9 \times 9 \times 9 + 99 + 9) - (9 + 9)/9$
- ▶ **7532** := $(1 + 1) \times (((1 + 1)^{1+11}) - ((1 + 1 + 1) \times (111 - 1)))$
:= $2 + ((2 \times (2 \times ((2 \times 22)^2 + 2))) - 222)$
:= $(3 \times (3^3 \times (3 \times (3^3 + 3) + 3))) - 3/3$
:= $44 + ((4 \times 44 \times 44) - 4^4)$
:= $((5 + 5)/5)^5 + (5 \times (5 \times 5 \times (55 + 5)))$
:= $6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) + ((6 + 6)/6))$
:= $(7 + 7) \times (7 \times 77 - 7/7)$
:= $8 + (((88 - ((8 + 8)/8))^{(8+8)/8}) + 8 \times (8 + 8))$
:= $9 \times (9 \times 9 \times 9 + 99 + 9) - 9/9$

- 7533 := $(1+1+1) \times (11 + (((11-1)^{1+1}/(1+1))^{1+1}))$
:= $22/2 + ((2 \times 2 \times 22)^2 - 222)$
:= $3 \times (3^3 \times (3 \times (3^3 + 3) + 3))$
:= $(4 - 4/4)^4 \times (((4+4)^4 - 4)/44)$
:= $(5/5 + 5)^5 - ((5 - (5+5)/5)^5)$
:= $(6^{6-6/6}) - ((6 \times 6/(6+6))^{6-6/6})$
:= $7/7 + ((7+7) \times (7 \times 77 - 7/7))$
:= $(8 \times ((888 - 8) + 8 \times 8)) - (88/8 + 8)$
:= $9 \times (9 \times 9 \times 9 + 99 + 9)$
- 7534 := $(11 \times (1 + (1 + ((1 + (1 + 1)^{11})/(1 + 1 + 1)))) - 1$
:= $((2 + 2 + 2)^{2/2+2+2}) - 22^2/2$
:= $3/3 + (3 \times (3^3 \times (3 \times (3^3 + 3) + 3)))$
:= $4 + (((4/4 - 4^4) + 4) \times ((4+4)/4 - 4 \times (4+4)))$
:= $5 + (((55+5)/5) \times (5^5 + 5 + 5)/5 + 5)$
:= $((66 - 6)/6) + (6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6))$
:= $(7 \times 77 \times (7 + 7)) - (77 + 7)/7$
:= $8 + ((8 \times (888 + 8 \times 8)) - ((8 + 8)/8 + 88))$
:= $9/9 + 9 \times (9 \times 9 \times 9 + 99 + 9)$
- 7535 := $11 \times (1 + (1 + ((1 + (1 + 1)^{11})/(1 + 1 + 1))))$
:= $2 + (((2 \times 2 \times 22)^2 - 222) + 22/2)$
:= $3 + ((3 \times (3^3 \times (3 \times (3^3 + 3) + 3))) - 3/3)$
:= $4 + ((4 \times 4 + 4/4) \times (444 - 4/4))$
:= $5 + ((5 \times ((5 \times 5 \times (55 + 5)) + 5)) + 5)$
:= $66/6 + (6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6))$
:= $(7 \times 77 \times (7 + 7)) - 77/7$
:= $88/8 \times (8 \times 88 - (88/8 + 8))$
:= $(9 + 9)/9 + 9 \times (9 \times 9 \times 9 + 99 + 9)$
- 7536 := $1 + (11 \times (1 + (1 + ((1 + (1 + 1)^{11})/(1 + 1 + 1))))$
:= $2 \times (2 \times (2 \times ((2 \times (22^2 - 2)) - 22)))$
:= $3 + (3 \times (3^3 \times (3 \times (3^3 + 3) + 3)))$
:= $4 \times ((4 \times (444 + 4 \times 4)) + 44)$
:= $5 + (((5 \times (5 - 55)) + (5/5 + 5)^5) + 5)$
:= $6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) + 6)$
:= $((7 - 77)/7) + (7 \times 77 \times (7 + 7))$
:= $8 + ((8 \times (888 + 8 \times 8)) - 88)$
:= $((9 + 9 + 9)/9) + 9 \times (9 \times 9 \times 9 + 99 + 9)$
- 7537 := $((1 + 1) \times (111 \times (1 + 11 \times (1 + 1 + 1)))) - 11$
:= $((2 \times 2 \times 22 - 2/2)^2) - (2 \times 2^{2+2})$
:= $3 + ((3 \times (3^3 \times (3 \times (3^3 + 3) + 3))) + 3/3)$
:= $(444 \times (4 \times 4 + 4/4)) - 44/4$
:= $5 \times 5 + (((55 + 5)/5) \times (5^5 + 5)/5)$
:= $6 + (((6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) + 6/6) + 6)$
:= $(7 \times 77 \times (7 + 7)) - ((7 + 7)/7 + 7)$
:= $88 + ((88/8 - 8)^8 + 888)$
:= $9 \times (9 \times 9 - 9) + (((9 + 9)/9) + 9 \times 9)^{(9+9)/9}$
- 7538 := $1 + (((1 + 1) \times (111 \times (1 + 11 \times (1 + 1 + 1)))) - 11)$
:= $22^2 + (((2 \times ((2 \times 22) - 2))^2) - 2)$
:= $3 + (((3 \times (3^3 \times (3 \times (3^3 + 3) + 3))) - 3/3) + 3)$
:= $(4 - 44)/4 + (444 \times (4 \times 4 + 4/4))$
:= $5 + ((5/5 + 5)^5 - ((5 - (5+5)/5)^5))$
:= $(6 \times (6 \times (6 \times 6 \times 6 - 6))) - ((66 + 66)/6)$
:= $(7 \times 77 \times (7 + 7)) - (7/7 + 7)$
:= $8 + (((8 \times (888 + 8 \times 8)) - 88) + ((8 + 8)/8))$
:= $999 + (9 \times 9 \times 9 \times 9 - ((99 + 99)/9))$
- 7539 := $(11 + (11 - 1)) \times (((1 + 1 + 1) \times (11^{1+1} - 1)) - 1)$
:= $22^2 + (((2 \times ((2 \times 22) - 2))^2) - 2/2)$
:= $3 + ((3 \times (3^3 \times (3 \times (3^3 + 3) + 3))) + 3)$
:= $4 + (((4 \times 4 + 4/4) \times (444 - 4/4)) + 4)$
:= $(5 \times (((5 \times 5 \times (55 + 5)) + 5) + 5)) - 55/5$
:= $((66 - 6/6) \times (666/6 + 6)) - 66$
:= $(7 \times 77 \times (7 + 7)) - 7$
:= $88/8 + ((8 \times (888 + 8 \times 8)) - 88)$
:= $9 + (9 \times (9 \times 9 \times 9 + 99 + 9) - ((9 + 9 + 9)/9))$
- 7540 := $(1 + 1) \times ((1 + 1) \times ((1 + 1 + 11) \times (1 + (1 + 11)^{1+1})))$
:= $22^2 + ((2 \times ((2 \times 22) - 2))^2)$
:= $3 + (((3 \times (3^3 \times (3 \times (3^3 + 3) + 3))) + 3/3) + 3)$
:= $(4^4 + 4) \times ((4/4 - 4 \times 4) + 44)$
:= $(55 + 5 + 5) \times (555/5 + 5)$
:= $(6/6 - 66) \times (((6 - 666)/6) - 6)$
:= $7/7 + ((7 \times 77 \times (7 + 7)) - 7)$
:= $8 \times 888 + (888/((8 + 8)/8) - 8)$
:= $9 + (9 \times (9 \times 9 \times 9 + 99 + 9) - ((9 + 9)/9))$
- 7541 := $((1 + 1) \times ((1 + 1)^{11} + ((1 + 11)^{1+1+1}))) - 11$
:= $2/2 + (((2 \times ((2 \times 22) - 2))^2) + 22^2)$
:= $((3 - 3/3)^{3 \times 3}) + (33 \times ((3 + 3)^3 - 3))$
:= $4 \times 4^4 + (((4 - 4/4)^{4+4}) - 44)$
:= $5 + (((5 \times (5 - 55)) + (5/5 + 5)^5) + 5) + 5)$
:= $6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) + (66/6))$
:= $(7 + 7)/7 + ((7 \times 77 \times (7 + 7)) - 7)$
:= $(8 \times ((888 - 8) + 8 \times 8)) - 88/8$
:= $9 + (9 \times (9 \times 9 \times 9 + 99 + 9) - 9/9)$
- 7542 := $(1 + 1) \times (111 + ((1 + 1 + 1) \times (11 \times 111 - 1)))$
:= $2 + (((2 \times ((2 \times 22) - 2))^2) + 22^2)$
:= $3 \times ((3^3 \times (3 \times (3^3 + 3) + 3)) + 3)$
:= $(444 \times (4 \times 4 + 4/4)) - ((4 + 4)/4 + 4)$
:= $5 + (((55 + 5)/5) \times (5^5 + 5)/5 + 5 \times 5)$
:= $6 \times 6 \times 6 + 66 \times 666/6$
:= $7 + ((7 \times 77 \times (7 + 7)) - (77/7))$
:= $(8 - 88)/8 + (8 \times ((888 - 8) + 8 \times 8))$
:= $9 + 9 \times (9 \times 9 \times 9 + 99 + 9)$
- 7543 := $(1 + 1) \times 111 + ((1 + (11^{1+1+1+1}))/ (1 + 1))$
:= $(2 \times 2 \times 22)^2 - (((22 - 2)^2 + 2)/2)$
:= $3/3 + (3 \times ((3^3 \times (3 \times (3^3 + 3) + 3)) + 3))$
:= $(444 \times (4 \times 4 + 4/4)) - 4/4 - 4$
:= $55 + (((55 + 5)/5) \times (5^5 - 5)/5)$
:= $((6/6 + 6 + 6) + 6) \times (6 \times 66 + 6/6)$
:= $(7 \times 77 \times (7 + 7)) - (7 + 7 + 7)/7$
:= $(8 \times ((888 - 8) + 8 \times 8)) - (8/8 + 8)$
:= $9 + (9 \times (9 \times 9 \times 9 + 99 + 9) + 9/9)$
- 7544 := $(1 + 1) \times ((111 \times (1 + 11 \times (1 + 1 + 1))) - (1 + 1))$
:= $2 \times ((222 \times (2^{2+2} + 2/2)) - 2)$
:= $33/3 + (3 \times (3^3 \times (3 \times (3^3 + 3) + 3)))$
:= $(444 \times (4 \times 4 + 4/4)) - 4$
:= $55 + ((5 \times (5 \times 5 \times (55 + 5))) - (55/5))$
:= $(6 - 66)/6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) - 6)$
:= $(7 \times 77 \times (7 + 7)) - (7 + 7)/7$
:= $(8 \times ((888 - 8) + 8 \times 8)) - 8$
:= $(9/9 + 9 \times 9) \times ((99/9) + 9 \times 9)$
- 7545 := $((1 + 1) \times ((111 \times (1 + 11 \times (1 + 1 + 1))) - 1)) - 1$
:= $((2 \times 2 \times 22 - 2/2)^2) - 22 - 2$
:= $3 + (3 \times ((3^3 \times (3 \times (3^3 + 3) + 3)) + 3))$
:= $4/4 + ((444 \times (4 \times 4 + 4/4)) - 4)$
:= $(5 \times (((5 \times 5 \times (55 + 5)) + 5) + 5)) - 5$
:= $(6^{6-6/6}) - ((66 \times (6 \times 6 + 6))/(6 + 6))$
:= $(7 \times 77 \times (7 + 7)) - 7/7$
:= $8/8 + ((8 \times ((888 - 8) + 8 \times 8)) - 8)$
:= $9/9 + ((9/9 + 9 \times 9) \times ((99/9) + 9 \times 9))$
- 7546 := $(1 + 1) \times ((111 \times (1 + 11 \times (1 + 1 + 1))) - 1)$
:= $22 \times ((22/2)^2 + 222)$
:= $(33 - 33/3) \times ((3/3 + 3 + 3)^3)$
:= $(444 \times (4 \times 4 + 4/4)) - (4 + 4)/4$
:= $5^5 + (((5/5 + 5)^{5-5/5}) + 5^5)$
:= $6 + ((6/6 - 66) \times (((6 - 666)/6) - 6))$
:= $7 \times 77 \times (7 + 7)$
:= $8 \times 8 + ((8/8 - 88) \times (((8 + 8)/8) - 88))$
:= $99/9 \times ((99 - 9/9) \times (9 - (9 + 9)/9))$
- 7547 := $((1 + 1) \times (111 \times (1 + 11 \times (1 + 1 + 1)))) - 1$
:= $((2 \times 2 \times 22 - 2/2)^2) - 22$
:= $((3/3 + 33) \times (((3 + 3)^3 + 3) + 3)) - 3/3$
:= $(444 \times (4 \times 4 + 4/4)) - 4/4$
:= $((55 + 5)/5) \times ((5^5 - 5)/5 + 5) - 5/5$
:= $(6 \times (6 \times (6 \times 6 \times 6 - 6))) - (6/6 + 6 + 6)$
:= $7/7 + (7 \times 77 \times (7 + 7))$
:= $8 + (((8 \times (888 + 8 \times 8)) - 88) + (88/8))$
:= $999 + (9 \times 9 \times 9 \times 9 - ((99 + 9 + 9)/9))$

$$\begin{aligned}
\blacktriangleright 7548 &:= (1+1) \times (111 \times (1+11 \times (1+1+1))) \\
&:= 222 \times ((2 \times 2^{2+2}) + 2) \\
&:= (3/3 + 33) \times (((3+3)^3 + 3) + 3) \\
&:= 444 \times (4 \times 4 + 4/4) \\
&:= ((55+5)/5) \times ((5^5 - 5)/5 + 5) \\
&:= (6 \times (6 \times (6 \times 6 \times 6 - 6))) - 6 - 6 \\
&:= (7+7)/7 + (7 \times 77 \times (7+7)) \\
&:= 8 \times 888 + 888 / ((8+8)/8) \\
&:= 999 + (9 \times 9 \times 9 \times 9 - (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7549 &:= 1 + ((1+1) \times (111 \times (1+11 \times (1+1+1)))) \\
&:= 2 + (((2 \times 2 \times 22 - 2/2)^2) - 22) \\
&:= 3 + ((33 - 33/3) \times ((3/3 + 3 + 3)^3)) \\
&:= 4/4 + (444 \times (4 \times 4 + 4/4)) \\
&:= (5 \times (((5 \times 5 \times (55+5)) + 5) + 5)) - 5/5 \\
&:= (6 \times (6 \times (6 \times 6 \times 6 - 6))) - 66/6 \\
&:= (7+7+7)/7 + (7 \times 77 \times (7+7)) \\
&:= 8 + ((8 \times ((888 - 8) + 8 \times 8)) - (88/8)) \\
&:= 999 + (9 \times 9 \times 9 \times 9 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7550 &:= (1+1) \times (1 + (111 \times (1+11 \times (1+1+1)))) \\
&:= 2 + (222 \times ((2 \times 2^{2+2}) + 2)) \\
&:= (3 \times 3 + 3/3) \times ((3^{3+3} - 3/3) + 3^3) \\
&:= (4+4)/4 + (444 \times (4 \times 4 + 4/4)) \\
&:= 5 \times (((5 \times 5 \times (55+5)) + 5) + 5) \\
&:= (6 - 66)/6 + (6 \times (6 \times (6 \times 6 \times 6 - 6))) \\
&:= 77/7 + ((7 \times 77 \times (7+7)) - 7) \\
&:= (8 \times ((888 - 8) + 8 \times 8)) - (8+8)/8 \\
&:= 99 + (9 \times (9 \times 9 \times 9 + 99) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7551 &:= 1 + ((1+1) \times (1 + (111 \times (1+11 \times (1+1+1)))) \\
&:= 2 + (((2 \times 2 \times 22 - 2/2)^2) - 22) + 2) \\
&:= 3 \times ((3 \times 3^{3+3} - 3) + 333) \\
&:= 4 + ((444 \times (4 \times 4 + 4/4)) - 4/4) \\
&:= (5/5 + 5)^5 + (5 \times ((5 - 55) + 5)) \\
&:= (((6 - 66) + 6)/6) + (6 \times (6 \times (6 \times 6 \times 6 - 6))) \\
&:= 7 + ((7 \times 77 \times (7+7)) - ((7+7)/7)) \\
&:= (8 \times ((888 - 8) + 8 \times 8)) - 8/8 \\
&:= 99 + 9 \times (9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7552 &:= (1+1) \times ((1+1)^{11} + ((1+11)^{1+1+1})) \\
&:= 2 + ((222 \times ((2 \times 2^{2+2}) + 2)) + 2) \\
&:= 3/3 + (3 \times ((3 \times 3^{3+3} - 3) + 333)) \\
&:= 4 + (444 \times (4 \times 4 + 4/4)) \\
&:= 5/5 + ((5 \times ((5 - 55) + 5)) + (5/5 + 5)^5) \\
&:= ((6+6)/6)^6 \times ((666+6)/6 + 6) \\
&:= 7 + ((7 \times 77 \times (7+7)) - 7/7) \\
&:= 8 \times ((888 - 8) + 8 \times 8) \\
&:= 9/9 + (9 \times (9 \times 9 \times 9 + 99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7553 &:= 111 + (((1+11^{1+1})^{1+1})/(1+1)) \\
&:= ((2 \times 2 \times 22 - 2/2)^2) - 2^{2+2} \\
&:= 3 + ((3 \times 3 + 3/3) \times ((3^{3+3} - 3/3) + 3^3)) \\
&:= 4 + ((444 \times (4 \times 4 + 4/4)) + 4/4) \\
&:= 5 + (((55+5)/5) \times ((5^5 - 5)/5 + 5)) \\
&:= (6 \times (6 \times (6 \times 6 \times 6 - 6))) - 6/6 - 6 \\
&:= 7 + (7 \times 77 \times (7+7)) \\
&:= 8/8 + (8 \times ((888 - 8) + 8 \times 8)) \\
&:= 9 + ((9/9 + 9 \times 9) \times ((99/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7554 &:= 1 + (111 + (((1+11^{1+1})^{1+1})/(1+1))) \\
&:= ((2+2+2)^{2/2+2+2}) - 222 \\
&:= 3 + (3 \times ((3 \times 3^{3+3} - 3) + 333)) \\
&:= 4 + ((444 \times (4 \times 4 + 4/4)) + (4+4)/4) \\
&:= 55 + ((5 \times (5 \times 5 \times (55+5))) - 5/5) \\
&:= (6 \times (6 \times (6 \times 6 \times 6 - 6))) - 6 \\
&:= 7 + ((7 \times 77 \times (7+7)) + 7/7) \\
&:= (8+8)/8 + (8 \times ((888 - 8) + 8 \times 8)) \\
&:= 999/9 + (9 \times (9 \times 9 \times 9 + 99) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7555 &:= 1 + (1 + (111 + (((1+11^{1+1})^{1+1})/(1+1)))) \\
&:= 2 + (((2 \times 2 \times 22 - 2/2)^2) - 2^{2+2}) \\
&:= 3^{3+3} + (((3 \times (3+3)) + 3/3)^3) - 33 \\
&:= 4 + (((444 \times (4 \times 4 + 4/4)) - 4/4) + 4) \\
&:= 55 + (5 \times (5 \times 5 \times (55+5))) \\
&:= 6/6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) - 6) \\
&:= 7 + ((7 \times 77 \times (7+7)) + ((7+7)/7)) \\
&:= 88/8 + ((8 \times ((888 - 8) + 8 \times 8)) - 8) \\
&:= 9 + (((9+9)/9)^{9-9/9}) + 9 \times 9 \times (9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7556 &:= ((111 - 1 - 1 - 11)^{1+1}) - (1+1)^{11} \\
&:= (22 - 2)^{2/2+2} - 2 \times 222 \\
&:= (3 \times 3 + 3)^3 + ((3 \times (3+3))^3 - (3/3 + 3)) \\
&:= 4 + ((444 \times (4 \times 4 + 4/4)) + 4) \\
&:= 55 + ((5/5 + 5)^5 - 5 \times 55) \\
&:= (6+6)/6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) - 6) \\
&:= ((77 - 7)/7) + (7 \times 77 \times (7+7)) \\
&:= 8 + (888 / ((8+8)/8) + 8 \times 888) \\
&:= (9 \times (9 \times (99+9) - 9)) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7557 &:= 11 \times (11 + (((1+1) \times (1+1+11))^{1+1})) \\
&:= 22/2 \times (((22+2+2)^2) + 22/2) \\
&:= 33 \times (((3^{3+3} - 33)/3) - 3) \\
&:= (44 \times (4 \times 44 - 4)) - 44/4 \\
&:= 55 + (((5/5 + 5)^5 - 5 \times 55) + 5/5) \\
&:= (6 \times (6 \times (6 \times 6 \times 6 - 6))) - 6 \times 6 / (6+6) \\
&:= 77/7 + (7 \times 77 \times (7+7)) \\
&:= 88/8 \times (8 \times 88 - (8/8 + 8 + 8)) \\
&:= 999 + (9 \times 9 \times 9 \times 9 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7558 &:= ((111 - ((1+1) \times (1+11)))^{1+1}) - 11 \\
&:= ((2 \times 2 \times 22 - 2/2)^2) - 22/2 \\
&:= 3/3 + (((3 \times 3 + 3)^3 - 3) + (3 \times (3+3))^3) \\
&:= (4 - 44)/4 + (44 \times (4 \times 44 - 4)) \\
&:= 5 + (((55+5)/5) \times ((5^5 - 5)/5 + 5)) + 5) \\
&:= (6 \times (6 \times (6 \times 6 \times 6 - 6))) - (6+6)/6 \\
&:= (77+7)/7 + (7 \times 77 \times (7+7)) \\
&:= ((88 - 8/8)^{(8+8)/8}) - 88/8 \\
&:= 999 + (9 \times 9 \times 9 \times 9 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7559 &:= (((1 + (1 + 11^{1+1}))^{1+1}) - 11)/(1+1) \\
&:= 22/2 + (222 \times ((2 \times 2^{2+2}) + 2)) \\
&:= (3 \times 3 + 3)^3 + ((3 \times (3+3))^3 - 3/3) \\
&:= 44/4 + (444 \times (4 \times 4 + 4/4)) \\
&:= ((55+5) \times (5 \times 5 \times 5 + 5/5)) - 5/5 \\
&:= (6 \times (6 \times (6 \times 6 \times 6 - 6))) - 6/6 \\
&:= 7 + (((7 \times 77 \times (7+7)) - 7/7) + 7) \\
&:= 8 + ((8 \times ((888 - 8) + 8 \times 8)) - 8/8) \\
&:= 999 + (9 \times 9 \times 9 \times 9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7560 &:= 1 + (((1 + (1 + 11^{1+1}))^{1+1}) - 11)/(1+1) \\
&:= (2 - 22) \times (22 - (22 - 2)^2) \\
&:= 3 \times (3 \times 3^{3+3} + 333) \\
&:= (44 \times (4 \times 44 - 4)) - 4 - 4 \\
&:= (55 + 5) \times (5 \times 5 \times 5 + 5/5) \\
&:= 6 \times (6 \times (6 \times 6 \times 6 - 6)) \\
&:= 7 + ((7 \times 77 \times (7+7)) + 7) \\
&:= 8 + (8 \times ((888 - 8) + 8 \times 8)) \\
&:= 999 + 9 \times 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7561 &:= 1 + (1 + (((1 + (1 + 11^{1+1}))^{1+1}) - 11)/(1+1)) \\
&:= ((2 \times 2 \times 22 - 2/2)^2) - 2 \times (2+2) \\
&:= 3/3 + ((3 \times 3 + 3)^3 + (3 \times (3+3))^3) \\
&:= 4 + ((44 \times (4 \times 44 - 4)) - 44/4) \\
&:= 5 + (((5/5 + 5)^5 - 5 \times 55) + 55) \\
&:= 6/6 + (6 \times (6 \times (6 \times 6 \times 6 - 6))) \\
&:= 7 + (((7 \times 77 \times (7+7)) + 7/7) + 7) \\
&:= ((88 - 8/8)^{(8+8)/8}) - 8 \\
&:= 9/9 + (9 \times 9 \times 9 \times 9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7562 &:= (((1 + (1 + 11^{1+1}))^{1+1}) - 1)/(1+1) - 1 - 1 \\
&:= 2 + ((2 - 22) \times (22 - (22 - 2)^2)) \\
&:= 3 + (((3 \times (3+3))^3 - 3/3) + (3 \times 3 + 3)^3) \\
&:= (44 \times (4 \times 44 - 4)) - ((4+4)/4 + 4) \\
&:= 55 + (((55+5)/5) \times (5^5 + 5)/5) - 5) \\
&:= (6+6)/6 + (6 \times (6 \times (6 \times 6 \times 6 - 6))) \\
&:= 7 + (((7 \times 77 \times (7+7)) + ((7+7)/7)) + 7) \\
&:= 8/8 + (((88 - 8/8)^{(8+8)/8}) - 8) \\
&:= (9+9)/9 + (9 \times 9 \times 9 \times 9 + 999)
\end{aligned}$$

- **7563** := $((((1 + (1 + 11^{1+1}))^{1+1}) - 1)/(1 + 1)) - 1$
:= $((2 \times 2 \times 22 - 2/2)^2) - 2 - 2 - 2$
:= $3 + ((3 \times 3 + 3)^3 + (3 \times (3 + 3))^3)$
:= $(44 \times (4 \times 44 - 4)) - 4/4 - 4$
:= $(5/5 + 5)^5 + (((5 - 5^5)/(5 + 5 + 5)) - 5)$
:= $(6 \times 6/(6 + 6)) + (6 \times (6 \times (6 \times 6 \times 6 - 6)))$
:= $7 + ((7 \times 77 \times (7 + 7)) + ((77 - 7)/7))$
:= $88/8 + (8 \times ((888 - 8) + 8 \times 8))$
:= $999/9 + 9 \times (9 \times 9 \times 9 + 99)$
- **7564** := $((1 + (1 + 11^{1+1}))^{1+1}) - 1/(1 + 1)$
:= $2 \times ((2 \times (2 \times (2 \times 22^2 - 22))) - 2)$
:= $((3^3 + 3/3) + 3) \times ((3^{3+3} + 3)/3)$
:= $(44 \times (4 \times 44 - 4)) - 4$
:= $((55 + 5/5) + 5) \times (5 \times 5 \times 5 - 5/5)$
:= $6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) - ((6 + 6)/6))$
:= $7 + ((7 \times 77 \times (7 + 7)) + (77/7))$
:= $((88 + 8)/8) + (8 \times ((888 - 8) + 8 \times 8))$
:= $((999 + 9)/9) + 9 \times (9 \times 9 \times 9 + 99)$
- **7565** := $(1 + ((1 + (1 + 11^{1+1}))^{1+1}))/ (1 + 1)$
:= $((2 \times 2 \times 22 - 2/2)^2) - 2 - 2$
:= $((3 \times 3^3 + 3 + 3)^{3-3/3}) - (3/3 + 3)$
:= $4/4 + ((44 \times (4 \times 44 - 4)) - 4)$
:= $5 + ((55 + 5) \times (5 \times 5 \times 5 + 5/5))$
:= $6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) - 6/6)$
:= $7 + ((7 \times 77 \times (7 + 7)) + (77 + 7)/7)$
:= $(8/8 + 88) \times ((88 - 88/8) + 8)$
:= $((9 - 9/9) + 9) \times ((9 \times 9 \times 99 - 9)/(9 + 9))$
- **7566** := $1 + ((1 + ((1 + (1 + 11^{1+1}))^{1+1}))/ (1 + 1))$
:= $((2 \times 2 \times 22 - 2/2)^2) - 2/2 - 2$
:= $((3 \times 3^3 + 3 + 3)^{3-3/3}) - 3$
:= $(44 \times (4 \times 44 - 4)) - (4 + 4)/4$
:= $(5/5 + 5) \times (((55 + 5^5) + 5^5)/5)$
:= $6 + (6 \times (6 \times (6 \times 6 \times 6 - 6)))$
:= $(7/7 + 77) \times (7 \times (7 + 7) - 7/7)$
:= $(88 \times (88 - ((8 + 8)/8))) - (8 + 8)/8$
:= $(99 - ((9 + 9)/9)) \times (9 \times 9 - ((9 + 9 + 9)/9))$
- **7567** := $((111 - ((1 + 1) \times (1 + 11)))^{1+1}) - 1 - 1$
:= $((2 \times 2 \times 22 - 2/2)^2) - 2$
:= $3 + (((3^3 + 3/3) + 3) \times ((3^{3+3} + 3)/3))$
:= $(44 \times (4 \times 44 - 4)) - 4/4$
:= $55 + (((55 + 5)/5) \times (5^5 + 5)/5)$
:= $6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) + 6/6)$
:= $7 + (((7 \times 77 \times (7 + 7)) + 7) + 7)$
:= $(88 \times (88 - ((8 + 8)/8))) - 8/8$
:= $9 + ((9 \times 9 \times 9 \times 9 - ((9 + 9)/9)) + 999)$
- **7568** := $((111 - ((1 + 1) \times (1 + 11)))^{1+1}) - 1$
:= $2 \times (2 \times (2 \times (2 \times 22^2 - 22)))$
:= $((3 \times 3^3 + 3 + 3)^{3-3/3}) - 3/3$
:= $44 \times (4 \times 44 - 4)$
:= $(5/5 + 5)^5 + ((5 - 5^5)/(5 + 5 + 5))$
:= $6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) + ((6 + 6)/6))$
:= $7 + (((7 \times 77 \times (7 + 7)) + 7/7) + 7) + 7$
:= $88 \times (88 - ((8 + 8)/8))$
:= $9 + ((9 \times 9 \times 9 \times 9 - 9/9) + 999)$
- **7569** := $(111 - ((1 + 1) \times (1 + 11)))^{1+1}$
:= $(2 \times 2 \times 22 - 2/2)^2$
:= $(3 \times 3^3 + 3 + 3)^{3-3/3}$
:= $4/4 + (44 \times (4 \times 44 - 4))$
:= $((5 + 5)/5)^5 + 55^{(5+5)/5}$
:= $6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) + (6 \times 6/(6 + 6)))$
:= $((77 - 7)/7) + 77^{(7+7)/7}$
:= $(88 - 8/8)^{(8+8)/8}$
:= $9 + (9 \times 9 \times 9 \times 9 + 999)$
- **7570** := $1 + ((111 - ((1 + 1) \times (1 + 11)))^{1+1})$
:= $2/2 + ((2 \times 2 \times 22 - 2/2)^2)$
:= $3/3 + ((3 \times 3^3 + 3 + 3)^{3-3/3})$
:= $(4 + 4)/4 + (44 \times (4 \times 44 - 4))$
:= $(5 \times (5 \times (5 \times (55 + 5) + 5))) - 55$
:= $((66 - 6)/6) + (6 \times (6 \times (6 \times 6 \times 6 - 6)))$
:= $7 + (((7 \times 77 \times (7 + 7)) + ((77 - 7)/7)) + 7)$
:= $8/8 + ((88 - 8/8)^{(8+8)/8})$
:= $9 + ((9 \times 9 \times 9 \times 9 + 999) + 9/9)$
- **7571** := $1 + (1 + ((111 - ((1 + 1) \times (1 + 11)))^{1+1}))$
:= $2 + ((2 \times 2 \times 22 - 2/2)^2)$
:= $3 + (((3 \times 3^3 + 3 + 3)^{3-3/3}) - 3/3)$
:= $4 + ((44 \times (4 \times 44 - 4)) - 4/4)$
:= $(5/5 + 5)^5 + (((5 + 5) \times (5 - 5 \times 5)) - 5)$
:= $66/6 + (6 \times (6 \times (6 \times 6 \times 6 - 6)))$
:= $7 + (((7 \times 77 \times (7 + 7)) + (77/7)) + 7)$
:= $(8 + 8)/8 + ((88 - 8/8)^{(8+8)/8})$
:= $99/9 + (9 \times 9 \times 9 \times 9 + 999)$
- **7572** := $1 + (1 + (1 + ((111 - ((1 + 1) \times (1 + 11)))^{1+1})))$
:= $2 + (((2 \times 2 \times 22 - 2/2)^2) + 2/2)$
:= $3 + ((3 \times 3^3 + 3 + 3)^{3-3/3})$
:= $4 + (44 \times (4 \times 44 - 4))$
:= $((55 + 5)/5) \times ((5^5 + 5)/5 + 5)$
:= $6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) + 6)$
:= $7777 - (((7 + 7)/7)^7 + 77)$
:= $88/8 + (((88 - 8/8)^{(8+8)/8}) - 8)$
:= $9 + (9 \times (9 \times 9 \times 9 + 99) + 999/9)$
- **7573** := $1 + (1 + (1 + (1 + ((111 - ((1 + 1) \times (1 + 11)))^{1+1}))))$
:= $2 + (((2 \times 2 \times 22 - 2/2)^2) + 2)$
:= $3 + (((3 \times 3^3 + 3 + 3)^{3-3/3}) + 3/3)$
:= $4 + ((44 \times (4 \times 44 - 4)) + 4/4)$
:= $5 + (((5 - 5^5)/(5 + 5 + 5)) + (5/5 + 5)^5)$
:= $6 + (((6 \times (6 \times (6 \times 6 \times 6 - 6))) + 6/6) + 6)$
:= $7 + ((7/7 + 77) \times (7 \times (7 + 7) - 7/7))$
:= $8 + ((8/8 + 88) \times ((88 - 88/8) + 8))$
:= $9 \times 9 \times 9 \times 9 + (9999/9 - 99)$
- **7574** := $11 + (((1 + (1 + 11^{1+1}))^{1+1}) - 1)/(1 + 1) - 1$
:= $2 + (((2 \times 2 \times 22 - 2/2)^2) + 2/2) + 2$
:= $3 + (((3 \times 3^3 + 3 + 3)^{3-3/3}) - 3/3) + 3$
:= $4 + ((44 \times (4 \times 44 - 4)) + (4 + 4)/4)$
:= $5 + (((5 + 5)/5)^5 + 55^{(5+5)/5})$
:= $6 + (((6 \times (6 \times (6 \times 6 \times 6 - 6))) + ((6 + 6)/6)) + 6)$
:= $77 + (7 \times (77 \times (7 + 7) - 7))$
:= $8 + ((88 \times (88 - ((8 + 8)/8))) - ((8 + 8)/8))$
:= $9 \times 9 \times 99 + ((9 - 9 \times 9 \times 99)/(9 + 9))$
- **7575** := $11 + (((1 + (1 + 11^{1+1}))^{1+1}) - 1)/(1 + 1)$
:= $2 + (((2 \times 2 \times 22 - 2/2)^2) + 2) + 2$
:= $3 + (((3 \times 3^3 + 3 + 3)^{3-3/3}) + 3)$
:= $4 + (((44 \times (4 \times 44 - 4)) - 4/4) + 4)$
:= $5 \times (((5 \times 5 \times (55 + 5) + 5) + 5) + 5)$
:= $(6^{6-6/6}) - ((6 \times 66 + 6)/(6 + 6)/6)$
:= $7/7 + ((7 \times (77 \times (7 + 7) - 7)) + 77)$
:= $8 + ((88 \times (88 - ((8 + 8)/8))) - 8/8)$
:= $9 + ((99 - ((9 + 9)/9)) \times (9 \times 9 - ((9 + 9 + 9)/9)))$
- **7576** := $11 + ((1 + ((1 + (1 + 11^{1+1}))^{1+1}))/ (1 + 1))$
:= $2 \times (2 \times ((2 \times (2 \times 22^2 - 22)) + 2))$
:= $(3^3 \times (333 - 3)) - ((33/3)^3 + 3)$
:= $4 + ((44 \times (4 \times 44 - 4)) + 4)$
:= $(5/5 + 5)^5 + ((5 + 5) \times (5 - 5 \times 5))$
:= $6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) + ((66 - 6)/6))$
:= $7 + (((77 - 7)/7) + 77)^{(7+7)/7}$
:= $8 + (88 \times (88 - ((8 + 8)/8)))$
:= $9 \times 9 \times 9 \times 9 + (((9 + 9)/9)^{9/9+9}) - 9$
- **7577** := $1 + (11 + ((1 + ((1 + (1 + 11^{1+1}))^{1+1}))/ (1 + 1)))$
:= $2 \times (2 + 2) + ((2 \times 2 \times 22 - 2/2)^2)$
:= $((3 + 3) \times (((3 + 3)^{3/3+3}) - 33)) - 3/3$
:= $4 + (((44 \times (4 \times 44 - 4)) + 4/4) + 4)$
:= $5 + (((55 + 5)/5) \times ((5^5 + 5)/5 + 5))$
:= $6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) + (66/6))$
:= $(7 \times (777 - 7)) + ((7 + 7 + 7)/7)^7$
:= $8 + ((88 - 8/8)^{(8+8)/8})$
:= $9 + (((9 \times 9 \times 9 \times 9 - 9/9) + 999) + 9)$

- ▶ **7578** := $11 + (((111 - ((1 + 1) \times (1 + 11)))^{1+1}) - (1 + 1))$
:= $2 + (2 \times (2 \times (2 \times (2 \times 22^2 - 22)) + 2))$
:= $(3 + 3) \times (((3 + 3)^{3+3+3}) - 33)$
:= $(44 - 4)/4 + (44 \times (4 \times 44 - 4))$
:= $5 + (((5 - 5^5)/(5 + 5 + 5)) + (5/5 + 5)^5) + 5$
:= $6 + (((6 \times (6 \times (6 \times 6 \times 6 - 6))) + 6) + 6)$
:= $7 + (((7 \times 77 \times (7 + 7)) + (77/7)) + 7) + 7$
:= $8 + (((88 - 8/8)^{(8+8)/8}) + 8/8)$
:= $9 + ((9 \times 9 \times 9 \times 9 + 999) + 9)$
- ▶ **7579** := $11 + (((111 - ((1 + 1) \times (1 + 11)))^{1+1}) - 1)$
:= $2 + (((2 \times 2 \times 22 - 2/2)^2) + 2 \times (2 + 2))$
:= $(3^3 \times (333 - 3)) - (33/3)^3$
:= $44/4 + (44 \times (4 \times 44 - 4))$
:= $5 + (((((5 + 5)/5)^5 + 55)^{(5+5)/5}) + 5)$
:= $6 + (((6 \times (6 \times (6 \times 6 \times 6 - 6))) + 6/6) + 6) + 6$
:= $7777/7 + 77 \times (77 + 7)$
:= $88/8 + (88 \times (88 - ((8 + 8)/8)))$
:= $9 \times (9 \times 99 + 9) - (((9 + 9)/9)^9 + 9)$
- ▶ **7580** := $11 + (((111 - ((1 + 1) \times (1 + 11)))^{1+1})$
:= $22/2 + ((2 \times 2 \times 22 - 2/2)^2)$
:= $33/3 + ((3 \times 3^3 + 3 + 3)^{3-3/3})$
:= $4 + (((44 \times (4 \times 44 - 4)) + 4) + 4)$
:= $55 + (5 \times ((5 \times 5 \times (55 + 5)) + 5))$
:= $6 + (((6 \times (6 \times (6 \times 6 \times 6 - 6))) + ((6 + 6)/6) + 6) + 6)$
:= $7777 - ((7 + 7) \times (7 + 7) + 7/7)$
:= $88/8 + (((88 - 8/8)^{(8+8)/8}) + 8)$
:= $9 + ((9 \times 9 \times 9 \times 9 + 999) + (99/9))$
- ▶ **7581** := $1 + (11 + (((111 - ((1 + 1) \times (1 + 11)))^{1+1}))$
:= $(22 - 2/2) \times ((22 - (2/2 + 2)^2)$
:= $3 + ((3 + 3) \times (((3 + 3)^{3+3+3}) - 33))$
:= $4 \times 4^4 + (((4 - 4/4)^{4+4}) - 4)$
:= $5 + (((5 + 5) \times (5 - 5 \times 5)) + (5/5 + 5)^5)$
:= $(6^{6-6/6}) + ((6 - 6 \times 66)/(6 + 6)/6)$
:= $7777 - (7 + 7) \times (7 + 7)$
:= $((88 + 8)/8) + ((88 - 8/8)^{(8+8)/8})$
:= $9 + ((9 \times (9 \times 9 \times 9 + 99) + 999/9) + 9)$
- ▶ **7582** := $(1 + 11 \times (1 + 1 + 1)) \times (1 + (1 + 1) \times 111)$
:= $(2^{2+2} + 2/2) \times (2 \times 222 + 2)$
:= $3 + ((3^3 \times (333 - 3)) - (33/3)^3)$
:= $(4 \times 4 + 4/4) \times (444 + (4 + 4)/4)$
:= $5 + (((55 + 5)/5) \times ((5^5 + 5)/5 + 5)) + 5$
:= $((66 + 66)/6) + (6 \times (6 \times (6 \times 6 \times 6 - 6)))$
:= $7/7 + (7777 - (7 + 7) \times (7 + 7))$
:= $(8/8 + 8 + 8) \times (8 \times (8 \times 8 - 8) - ((8 + 8)/8))$
:= $((9 - 9/9) + 9) \times ((9 \times 9 \times 99 + 9)/9 + 9)$
- ▶ **7583** := $1 + ((1 + 11 \times (1 + 1 + 1)) \times (1 + (1 + 1) \times 111))$
:= $2 + ((22 - 2/2) \times ((22 - (2/2 + 2)^2))$
:= $(3 \times ((33/3 + 3)^3 - (3 + 3)^3)) - 3/3$
:= $4 + ((44 \times (4 \times 44 - 4)) + 44/4)$
:= $55 + ((5/5 + 5)^5 - (((5 - (5 + 5)/5)^5) + 5))$
:= $6 + (((6 \times (6 \times (6 \times 6 \times 6 - 6))) + (66/6)) + 6)$
:= $(7 \times (77 \times (7 + 7) + 7)) - (77 + 7)/7$
:= $((88 + 8) \times (88 - (8/8 + 8))) - 8/8$
:= $9 + (((9 - 9 \times 9 \times 99)/(9 + 9)) + 9 \times 9 \times 99)$
- ▶ **7584** := $1 + (1 + ((1 + 11 \times (1 + 1 + 1)) \times (1 + (1 + 1) \times 111)))$
:= $2 \times (2 \times ((2 \times 22)^2 + (2 \times (2 - 22))))$
:= $3 \times ((33/3 + 3)^3 - (3 + 3)^3)$
:= $4 \times ((44 \times (44 - 4/4)) + 4)$
:= $((55 + 5)/5) \times ((5^5 + 5 + 5)/5 + 5)$
:= $(6 \times ((6 \times (6 \times 6 \times 6 - 6)) + 6)) - 6 - 6$
:= $(7 \times (77 \times (7 + 7) + 7)) - 77/7$
:= $(88 + 8) \times (88 - (8/8 + 8))$
:= $(9 \times 9 - ((9 + 9)/9)) \times (99 - ((9 + 9 + 9)/9))$
- ▶ **7585** := $(1 + 1)^{11-1} + ((1 + 1 + 1)^{(1+1) \times (1+1+1)})$
:= $2^{2+2} + ((2 \times 2 \times 22 - 2/2)^2)$
:= $3^{3+3} + (((3 \times (3 + 3)) + 3/3)^3) - 3$
:= $4 \times 4^4 + ((4 - 4/4)^{4+4})$
:= $5 + ((5 \times ((5 \times 5 \times (55 + 5)) + 5)) + 55)$
:= $(6 \times 6 + 6/6) \times (6 \times 6 \times 6 - (66/6))$
:= $((7 - 77)/7) + (7 \times (77 \times (7 + 7) + 7))$
:= $8 + (((88 - 8/8)^{(8+8)/8}) + 8)$
:= $9 \times 9 \times 9 \times 9 + (((9 + 9)/9)^{9+9+9})$
- ▶ **7586** := $1 + (1 + 1)^{11-1} + (1 + 1 + 1)^{(1+1) \times (1+1+1)}$
:= $2 + (2 \times (2 \times ((2 \times 22)^2 + (2 \times (2 - 22))))$
:= $(3 \times (33 \times 3^3)) + (33/3 + 3 + 3)^3$
:= $4/4 + (((4 - 4/4)^{4+4}) + 4 \times 4^4)$
:= $5 + (((5 + 5) \times (5 - 5 \times 5)) + (5/5 + 5)^5) + 5$
:= $(6 - 66)/6 + (6 \times ((6 \times (6 \times 6 \times 6 - 6)) + 6))$
:= $(7 \times (77 \times (7 + 7) + 7)) - ((7 + 7)/7 + 7)$
:= $8 + (((88 - 8/8)^{(8+8)/8}) + 8/8 + 8)$
:= $9 + (((9 \times 9 \times 9 \times 9 - 9/9) + 999) + 9) + 9$
- ▶ **7587** := $(1 + 1 + 1) \times (((111 - 1) \times (1 + (11 + 11))) - 1)$
:= $2 + (((2 \times 2 \times 22 - 2/2)^2) + 2^{2+2})$
:= $3 \times ((3 \times (3^{3+3} + 3)) + 333)$
:= $4 + (((44 \times (4 \times 44 - 4)) + 44/4) + 4)$
:= $((5 + 5)/5 + 5 \times 5) \times ((5 \times 55 + 5/5) + 5)$
:= $6 + (((6 - 6 \times 66)/(6 + 6)/6) + (6^{6-6/6}))$
:= $(7 \times (77 \times (7 + 7) + 7)) - (7/7 + 7)$
:= $8 + ((88 \times (88 - ((8 + 8)/8))) + (88/8))$
:= $9 + (((9 \times 9 \times 9 \times 9 + 999) + 9) + 9)$
- ▶ **7588** := $1 + ((1 + 1 + 1) \times (((111 - 1) \times (1 + (11 + 11))) - 1))$
:= $22^2 + (2 \times (2^{2+2} \times 222))$
:= $3^{3+3} + (((3 \times (3 + 3)) + 3/3)^3)$
:= $4 + ((44 \times (4 \times 44 - 4)) + 4 \times 4)$
:= $55 + ((5/5 + 5)^5 - ((5 - (5 + 5)/5)^5))$
:= $((6 + 6)/6)^6 + (6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6))$
:= $(7 \times (77 \times (7 + 7) + 7)) - 7$
:= $8 \times 888 + 88 \times 88/(8 + 8)$
:= $9 \times (9 \times 99 + 9) - ((9 + 9)/9)^9$
- ▶ **7589** := $((1 + 1 + 1) \times ((111 - 1) \times (1 + (11 + 11)))) - 1$
:= $22 + (((2 \times 2 \times 22 - 2/2)^2) - 2)$
:= $3/3 + (((3 \times (3 + 3)) + 3/3)^3) + 3^{3+3}$
:= $4 + (((4 - 4/4)^{4+4}) + 4 \times 4^4)$
:= $5 + (((55 + 5)/5) \times ((5^5 + 5 + 5)/5 + 5))$
:= $(6 \times ((6 \times (6 \times 6 \times 6 - 6)) + 6)) - 6/6 - 6$
:= $7/7 + ((7 \times (77 \times (7 + 7) + 7)) - 7)$
:= $(8 \times (888 + 8 \times 8)) - (88/8 + 8 + 8)$
:= $9/9 + (9 \times (9 \times 99 + 9) - ((9 + 9)/9)^9)$
- ▶ **7590** := $(1 + 1 + 1) \times ((111 - 1) \times (1 + (11 + 11)))$
:= $22 \times (((22/2)^2 + 222) + 2)$
:= $33 \times (((3 + 3)^3 + 33/3) + 3)$
:= $((4^4 + 4 + 4)/4) \times (444/4 + 4)$
:= $55 \times ((5 \times 5 \times 55 + 5)/(5 + 5))$
:= $(6 \times ((6 \times (6 \times 6 \times 6 - 6)) + 6)) - 6$
:= $(7 + 7)/7 + ((7 \times (77 \times (7 + 7) + 7)) - 7)$
:= $88/8 \times (((8 + 8)/8) - (8 + 8)) + 8 \times 88$
:= $(9/9 + 9) \times (9 \times (9 \times 9 - 9) + 999/9)$
- ▶ **7591** := $1 + ((1 + 1 + 1) \times ((111 - 1) \times (1 + (11 + 11))))$
:= $22 + ((2 \times 2 \times 22 - 2/2)^2)$
:= $3 + (((3 \times (3 + 3)) + 3/3)^3) + 3^{3+3}$
:= $44 + ((444 \times (4 \times 4 + 4/4)) - 4/4)$
:= $(5/5 + 5)^5 - ((5 \times 5 \times 5 + 55) + 5)$
:= $6/6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6)) + 6)) - 6)$
:= $7 + ((7 \times (77 \times (7 + 7) + 7)) - (77/7))$
:= $88 \times 88 - ((8 \times 8 + 88) + 8/8)$
:= $9 \times (9 \times 9 \times 9 - 9) + 9999/9$
- ▶ **7592** := $1 + (1 + ((1 + 1 + 1) \times ((111 - 1) \times (1 + (11 + 11))))$
:= $2 + (22 \times (((22/2)^2 + 222) + 2))$
:= $((33 - 3/3) + 3) \times ((3 + 3)^3 + 3/3) - 3$
:= $44 + (444 \times (4 \times 4 + 4/4))$
:= $5 + (((5 + 5)/5 + 5 \times 5) \times ((5 \times 55 + 5/5) + 5))$
:= $(6 + 6)/6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6)) + 6)) - 6)$
:= $(7 \times (77 \times (7 + 7) + 7)) - (7 + 7 + 7)/7$
:= $88 \times 88 - (8 \times 8 + 88)$
:= $(9 - 9/9) \times (9999/9 - 9 \times (9 + 9))$

$$\begin{aligned}
\blacktriangleright 7593 &:= (1+1+1) \times (1 + ((111-1) \times (1 + (11+11)))) \\
&:= 2 + (((2 \times 2 \times 22 - 2/2)^2) + 22) \\
&:= 3 + (33 \times (((3+3)^3 + 33/3) + 3)) \\
&:= 4 + (((4-4/4)^{4+4}) + 4 \times 4^4 + 4) \\
&:= (5 \times (5 \times (5 \times (55+5) + 5))) - ((5+5)/5)^5 \\
&:= (6^{6-6/6}) - ((666/6+66) + 6) \\
&:= (7 \times (77 \times (7+7) + 7)) - (7+7)/7 \\
&:= 8 + (((88-8/8)^{(8+8)/8}) + 8) + 8) \\
&:= 9 + ((9 \times 9 - (9+9)/9) \times (99 - ((9+9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7598 &:= (1+1)^{11} + ((11111-11)/(1+1)) \\
&:= ((22-2)^2 \times (22 - (2/2+2))) - 2 \\
&:= 3 + (((33-3/3) + 3) \times ((3+3)^3 + 3/3)) \\
&:= 4 + (((4^4 + 4 + 4)/4) \times (444/4 + 4) + 4) \\
&:= (5+5)/5 \times (5 \times 555 + (5-5/5)^5) \\
&:= (6+6)/6 + (6 \times ((6 \times (6 \times 6 \times 6 - 6) + 6) + 6)) \\
&:= (7+7+7)/7 + (7 \times (77 \times (7+7) + 7)) \\
&:= (8-88)/8 + ((8 \times (888+8 \times 8)) - 8) \\
&:= 9 + ((9 \times (9 \times 99 + 9) - ((9+9)/9)^9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7603 &:= (1+1)^{11} + ((11111-1)/(1+1)) \\
&:= ((2 \times 22 + 2/2) \times ((22/2+2)^2)) - 2 \\
&:= 3/3 + ((3/3+3+3) \times (33 \times 33 - 3)) \\
&:= 4 + ((4 \times 4 + 4/4) \times ((444-4/4) + 4)) \\
&:= 5555 + (((5+5)/5)^{55/5}) \\
&:= 6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6) + 6) + 6) + 6)/6) \\
&:= 7 + ((7 \times (77 \times (7+7) + 7)) + 7/7) \\
&:= 88/8 + (88 \times 88 - (8 \times 8 + 88)) \\
&:= (9 \times ((9 \times 9 \times 9 + 99 + 9) + 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7594 &:= 1 + ((1+1+1) \times (1 + ((111-1) \times (1 + (11+11)))))) \\
&:= (2^{22/2+2}) - (((22+2)^2) + 22) \\
&:= 3 + (((((3 \times (3+3)) + 3/3)^3) + 3^{3+3}) + 3) \\
&:= 4 + (((4^4 + 4 + 4)/4) \times (444/4 + 4)) \\
&:= 5 \times 5 + (((((5+5)/5)^5 + 55)^{(5+5)/5}) \\
&:= (6 \times ((6 \times (6 \times 6 \times 6 - 6) + 6) + 6)) - (6+6)/6 \\
&:= (7 \times (77 \times (7+7) + 7)) - 7/7 \\
&:= (8+8)/8 + (88 \times 88 - (8 \times 8 + 88)) \\
&:= 9 + (((9+9)/9)^{9/9+9}) + 9 \times 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7599 &:= 1 + ((1+1)^{11} + ((11111-11)/(1+1))) \\
&:= ((22-2)^2 \times (22 - (2/2+2))) - 2/2 \\
&:= ((3/3+3+3) \times (33 \times 33 - 3)) - 3 \\
&:= (4 \times 4 + 4/4) \times ((444-4/4) + 4) \\
&:= (5 \times ((5 \times (5 \times (55+5) + 5) - 5)) - 5/5 \\
&:= (6^{6-6/6}) - (666/6+66) \\
&:= 77/7 + ((7 \times (77 \times (7+7) + 7)) - 7) \\
&:= (8/8+8+8) \times (8 \times (8 \times 8 - 8) - 8/8) \\
&:= 9 + (((9999-9)/9) + 9 \times (9 \times 9 \times 9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7604 &:= (1+1)^{11} + ((1+11111)/(1+1)) \\
&:= 2 + (((22-2)^2 \times (22 - (2/2+2))) + 2) \\
&:= (((33/3+3 \times 3)^3) - (33 \times (3 \times 3 + 3))) \\
&:= 4 + ((44 \times (4 \times 44 - 4)) + 4 \times (4+4)) \\
&:= 5 + ((5 \times ((5 \times (5 \times (55+5) + 5) - 5)) - 5/5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6) + 6) + 6) + (6+6)/6)) \\
&:= 7 + ((7 \times (77 \times (7+7) + 7)) + ((7+7)/7)) \\
&:= (8 \times (888+8 \times 8)) - (88+8)/8 \\
&:= (9 \times ((9 \times 9 \times 9 + 99 + 9) + 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7595 &:= ((1+1+1) \times ((1+11) \times ((1+1) \times 111 - 11))) - 1 \\
&:= 2 + (((2 \times 2 \times 22 - 2/2)^2) + 22) + 2) \\
&:= ((33-3/3) + 3) \times ((3+3)^3 + 3/3) \\
&:= (4 \times (4+4) - 4/4) \times (4^4 - 44/4) \\
&:= (5 \times ((5 \times (5 \times (55+5) + 5) - 5)) - 5) \\
&:= (6 \times 6 - 6/6) \times (6 \times 6 \times 6 + 6/6) \\
&:= 7 \times (77 \times (7+7) + 7) \\
&:= 88/8 + ((88+8) \times (88 - (8/8+8))) \\
&:= (9+9) \times (((((9+9)/9)^9) - 99) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7600 &:= (((1+1) \times (11-1)) - 1) \times ((1+1) \times (11-1))^{1+1} \\
&:= (22-2)^2 \times (22 - (2/2+2)) \\
&:= (3 \times 3^3 - 3/3) \times (3 \times 33 - (3/3+3)) \\
&:= 4 \times (((44 \times (44 - 4/4)) + 4) + 4) \\
&:= 5 \times ((5 \times (5 \times (55+5) + 5) - 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6) + 6) + 6)) - ((6+6)/6)) \\
&:= 7 + ((7 \times (77 \times (7+7) + 7)) - ((7+7)/7)) \\
&:= (88-8) \times (88 - 8/8 + 8) \\
&:= 9 + (9 \times (9 \times 9 \times 9 - 9) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7605 &:= 1 + ((1+1)^{11} + ((1+11111)/(1+1))) \\
&:= (2 \times 22 + 2/2) \times ((22/2+2)^2) \\
&:= (33+3+3) \times (33 \times (3+3) - 3) \\
&:= 4 + (((4-4/4)^{4+4}) + 4 \times (4^4 + 4)) \\
&:= 5 + (5 \times ((5 \times (5 \times (55+5) + 5) - 5)) \\
&:= (66-6/6) \times (666/6+6) \\
&:= ((77-7)/7) + (7 \times (77 \times (7+7) + 7)) \\
&:= (8 \times (888+8 \times 8)) - 88/8 \\
&:= (9 \times ((9 \times 9 \times 9 + 99 + 9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7596 &:= (1+1+1) \times ((1+11) \times ((1+1) \times 111 - 11)) \\
&:= (2/2+2) \times (2^{22/2} + 22^2) \\
&:= 3 \times (((3 \times (3^{3+3} + 3)) + 333) + 3) \\
&:= ((4+4) + 4) \times (((4/4+4)^4 + 4) + 4) \\
&:= (5/5+5)^5 - (5 \times 5 \times 5 + 55) \\
&:= 6 \times ((6 \times (6 \times 6 \times 6 - 6) + 6) + 6) \\
&:= 7/7 + (7 \times (77 \times (7+7) + 7)) \\
&:= 8 + (88 \times 88/(8+8) + 8 \times 888) \\
&:= (9+9) \times (((((9+9)/9)^9) - 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7601 &:= 11 \times ((1+1)^{11-1} - (1+1+1) \times 111) \\
&:= 2/2 + (((22-2)^2 \times (22 - (2/2+2))) \\
&:= 33/3 \times (3^{3+3} - (33/3+3^3)) \\
&:= 4 \times (4^4 + 4) + ((4-4/4)^{4+4}) \\
&:= (5/5+5)^5 - (5 \times ((5 \times 5 + 5) + 5)) \\
&:= 6 + ((6 \times 6 - 6/6) \times (6 \times 6 \times 6 + 6/6)) \\
&:= 7 + ((7 \times (77 \times (7+7) + 7)) - 7/7) \\
&:= 8/8 + ((88-8) \times (88 - 8/8 + 8)) \\
&:= 9 + ((9999+9)/9 + 9 \times (9 \times 9 \times 9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7606 &:= 1 + (1 + ((1+1)^{11} + ((1+11111)/(1+1)))) \\
&:= 2 + (((22-2)^2 \times (22 - (2/2+2))) + 2) + 2) \\
&:= 3/3 + ((33+3+3) \times (33 \times (3+3) - 3)) \\
&:= 4 + (((4-4/4)^{4+4}) + 4 \times (4^4 + 4) + 4/4) \\
&:= 5 + ((5/5+5)^5 - (5 \times ((5 \times 5 + 5) + 5))) \\
&:= 6/6 + ((66-6/6) \times (666/6+6)) \\
&:= 77/7 + (7 \times (77 \times (7+7) + 7)) \\
&:= (8-88)/8 + (8 \times (888+8 \times 8)) \\
&:= 99 + (9 \times 9 \times 99 - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7597 &:= 1 + ((1+1+1) \times ((1+11) \times ((1+1) \times 111 - 11))) \\
&:= 2 + (((((2 \times 2 \times 22 - 2/2)^2) + 22) + 2) + 2) \\
&:= 3 \times 3 + (((((3 \times (3+3)) + 3/3)^3) + 3^{3+3}) \\
&:= 4 \times (4^4 + 4) + (((4-4/4)^{4+4}) - 4) \\
&:= 5 \times 5 + (((55+5)/5) \times ((5^5+5)/5+5)) \\
&:= 6/6 + (6 \times ((6 \times (6 \times 6 \times 6 - 6) + 6) + 6)) \\
&:= (7+7)/7 + (7 \times (77 \times (7+7) + 7)) \\
&:= (8 \times (888+8 \times 8)) - (88/8+8) \\
&:= 9 + (9 \times (9 \times 99 + 9) - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7602 &:= (1+1)^{11} + (((11111-1)/(1+1)) - 1) \\
&:= 2 + ((22-2)^2 \times (22 - (2/2+2))) \\
&:= (3/3+3+3) \times (33 \times 33 - 3) \\
&:= 4/4 + (((4-4/4)^{4+4}) + 4 \times (4^4 + 4)) \\
&:= 5/5 + (((5/5+5)^5 - (5 \times ((5 \times 5 + 5) + 5))) \\
&:= 6 + (6 \times ((6 \times (6 \times 6 \times 6 - 6) + 6) + 6)) \\
&:= 7 + (7 \times (77 \times (7+7) + 7)) \\
&:= (8+8)/8 + ((88-8) \times (88 - 8/8 + 8)) \\
&:= 9 \times 9 \times (9+9) + ((99+9)/9 \times ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7607 &:= 1 + (1 + (1 + ((1+1)^{11} + ((1+11111)/(1+1)))))) \\
&:= 2 + ((2 \times 22 + 2/2) \times ((22/2+2)^2)) \\
&:= 3 + (((33/3+3 \times 3)^3) - (33 \times (3 \times 3 + 3))) \\
&:= ((44-4/4) \times (4 \times 44 + 4/4)) - 4 \\
&:= (((55+5)/5) \times ((55+5^5)/5)) - 5 \times 5 \\
&:= 66/6 + (6 \times ((6 \times (6 \times 6 \times 6 - 6) + 6) + 6)) \\
&:= (77+7)/7 + (7 \times (77 \times (7+7) + 7)) \\
&:= (8 \times (888+8 \times 8)) - (8/8+8) \\
&:= ((9 - (9+9)/9) \times ((99+99-9)/9)) - 9
\end{aligned}$$

- **7608** := $(1+11) \times (1 + ((1+1+1) \times ((1+1) \times 111 - 11)))$
:= $2 \times ((2^{2+2+2} - 2)^2 + (2 \times (2 - 22)))$
:= $3 + ((33+3+3) \times (33 \times (3+3) - 3))$
:= $44 + ((44 \times (4 \times 44 - 4)) - 4)$
:= $((55+5)/5) \times (((5^5 - 5)/5 + 5) + 5)$
:= $6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6)) + 6)) + 6)$
:= $7 + (((7 \times (77 \times (7+7) + 7)) - 7/7) + 7)$
:= $(8 \times (888 + 8 \times 8)) - 8$
:= $(9 - 9/9) \times (9 \times (99 + 9) - ((99 + 9)/9 + 9))$
- **7613** := $(1 + (11 + 11)) \times (1 + ((1 + 1 + 1) \times (111 - 1)))$
:= $2 \times 22 + ((2 \times 2 \times 22 - 2/2)^2)$
:= $(3^3 - 3/3 - 3) \times ((333 - 3) + 3/3)$
:= $44 + ((44 \times (4 \times 44 - 4)) + 4/4)$
:= $5 + (((55 + 5)/5) \times (((5^5 - 5)/5 + 5) + 5))$
:= $6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6)) + 6)) + (66/6))$
:= $7 + ((7 \times (77 \times (7+7) + 7)) + (77/7))$
:= $8 + ((8 \times (888 + 8 \times 8)) - (88/8))$
:= $(9 \times ((9 \times 9 \times 9 + 99 + 9) + 9)) - 9/9$
- **7618** := $(1 + 1) \times (1 + ((1 + 111) \times (1 + 11 \times (1 + 1 + 1))))$
:= $222 + ((2 \times 2 \times 22 - 2)^2)$
:= $(3^3 - 3/3) \times (3 \times 3 \times 33 - 3/3 - 3)$
:= $(4 + 4)/4 + (4 \times (4 \times (444 + 4 \times (4 + 4))))$
:= $(5 \times (5 \times (5 \times (55 + 5) + 5))) - ((5 + 5)/5 + 5)$
:= $((6 + 6)/6)^6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) - 6)$
:= $77 + (((7 \times 77 \times (7 + 7)) - 7) + ((7 + 7)/7))$
:= $(8 + 8)/8 + (8 \times (888 + 8 \times 8))$
:= $9 \times 9 \times 9 + (((9 + 9)/9) + 9 \times 9)^{(9+9)/9}$
- **7609** := $(1 + 1)^{11} + ((11 + 11111)/(1 + 1))$
:= $2 \times (22 - 2) + ((2 \times 2 \times 22 - 2/2)^2)$
:= $(3/3 + 3 + 3) \times ((33 \times 33 - 3) + 3/3)$
:= $4 + (((4 - 4/4)^{4+4}) + 4 \times (4^4 + 4)) + 4$
:= $(5/5 + 5)^5 - ((555 + 5)/5 + 55)$
:= $6 + (((6 \times ((6 \times (6 \times 6 \times 6 - 6)) + 6)) + 6/6) + 6)$
:= $7 + ((7 \times (77 \times (7 + 7) + 7)) + 7)$
:= $8/8 + ((8 \times (888 + 8 \times 8)) - 8)$
:= $(9 - (9 + 9)/9) \times ((99 \times 99 - (9 + 9))/9)$
- **7614** := $(1 + 1) \times (((1 + 111) \times (1 + 11 \times (1 + 1 + 1))) - 1)$
:= $2 + (22 \times (((2^{2+2} + 2)^2) + 22))$
:= $3 \times ((3 \times 33 \times 33) - 3^{3+3})$
:= $44 + ((44 \times (4 \times 44 - 4)) + (4 + 4)/4)$
:= $(5 \times (5 \times (5 \times (55 + 5) + 5))) - 55/5$
:= $6 + (((6 \times ((6 \times (6 \times 6 \times 6 - 6)) + 6)) + 6) + 6)$
:= $((7 + 7)/7 + 7) \times ((77 \times 77 - 7)/7)$
:= $(8 \times (888 + 8 \times 8)) - (8 + 8)/8$
:= $9 \times ((9 \times 9 \times 9 + 99 + 9) + 9)$
- **7619** := $1 + ((1 + 1) \times (1 + ((1 + 111) \times (1 + 11 \times (1 + 1 + 1))))$
:= $2/2 + (((2 \times 2 \times 22 - 2)^2) + 222)$
:= $3 + ((3/3 + 3 + 3) \times (33 \times 33 - 3/3))$
:= $4 + (((44 - 4/4) \times (4 \times 44 + 4/4)) + 4)$
:= $(5 \times (5 \times (5 \times (55 + 5) + 5))) - (5/5 + 5)$
:= $66 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) - (6/6 + 6))$
:= $7 \times 777 + (((7 + 7 + 7)/7)^7 - 7)$
:= $88/8 + ((8 \times (888 + 8 \times 8)) - 8)$
:= $9 \times 9 \times 9 - ((99/9 + 9)^{(9+9)/9})$
- **7610** := $1 + ((1 + 1)^{11} + ((11 + 11111)/(1 + 1)))$
:= $(22 \times (((2^{2+2} + 2)^2) + 22)) - 2$
:= $(3 \times 3 + 3/3) \times ((3^{3+3} - 3/3) + 33)$
:= $44 + ((44 \times (4 \times 44 - 4)) - (4 + 4)/4)$
:= $5 + ((5 \times ((5 \times (5 \times (55 + 5) + 5)) - 5)) + 5)$
:= $((666 + 6)/6 \times (((6 + 6)/6) + 66)) - 6$
:= $7 + (((7 \times (77 \times (7 + 7) + 7)) + 7/7) + 7)$
:= $(8 + 8)/8 + ((8 \times (888 + 8 \times 8)) - 8)$
:= $(9/9 + 9) \times (((99/9) \times (9 \times 9 - 99/9)) - 9)$
- **7615** := $(1 + 1) \times ((1 + 111) \times (1 + 11 \times (1 + 1 + 1))) - 1$
:= $2 + (((2 \times 2 \times 22 - 2/2)^2) + 2 \times 22)$
:= $3^3 + (((3 \times (3 + 3)) + 3/3)^3 + 3^{3+3})$
:= $4 + ((44 - 4/4) \times (4 \times 44 + 4/4))$
:= $(5 \times (5 \times (5 \times (55 + 5) + 5))) - 5 - 5$
:= $66 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) - (66/6))$
:= $77 + ((7 \times 77 \times (7 + 7)) - (7/7 + 7))$
:= $(8 \times (888 + 8 \times 8)) - 8/8$
:= $9/9 + (9 \times ((9 \times 9 \times 9 + 99 + 9) + 9))$
- **7620** := $111 + (((11 \times (1 + 1)^{11}) - 1)/(1 + 1 + 1))$
:= $2 + (((2 \times 2 \times 22 - 2)^2) + 222)$
:= $(3^3 + 3) \times ((3^{3+3} + 33)/3)$
:= $4 + (4 \times (4 \times (444 + 4 \times (4 + 4))))$
:= $(5 \times (5 \times (5 \times (55 + 5) + 5))) - 5$
:= $66 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) - 6)$
:= $7 + (((7 \times (77 \times (7 + 7) + 7)) + (77/7)) + 7)$
:= $8 \times 8/(8 + 8) + (8 \times (888 + 8 \times 8))$
:= $(9/9 + 9) \times ((99/(9 + 9 + 9)/9) + 9 \times 9 \times 9)$
- **7611** := $111 + ((1 + 11) \times (1 + (1 + 1) \times (1 + 11))^{1+1})$
:= $2 \times 22 + (((2 \times 2 \times 22 - 2/2)^2) - 2)$
:= $(3 \times ((3 \times 33 \times 33) - 3^{3+3})) - 3$
:= $(44 - 4/4) \times (4 \times 44 + 4/4)$
:= $555/5 + (5 \times (5 \times 5 \times (55 + 5)))$
:= $6 + ((66 - 6/6) \times (666/6 + 6))$
:= $7 + (((7 \times (77 \times (7 + 7) + 7)) + ((7 + 7)/7)) + 7)$
:= $88/8 + ((88 - 8) \times (88 - 8/8 + 8))$
:= $(9 \times ((9 \times 9 \times 9 + 99 + 9) + 9)) - (9 + 9 + 9)/9$
- **7616** := $(1 + 1) \times ((1 + 111) \times (1 + 11 \times (1 + 1 + 1)))$
:= $2^{2+2} \times (22^2 - 2 \times (2 + 2))$
:= $(3/3 + 3 + 3) \times (33 \times 33 - 3/3)$
:= $4 \times (4 \times (444 + 4 \times (4 + 4)))$
:= $(5/5 + 5)^5 - (5 \times ((5 + 5)/5)^5)$
:= $(666 + 6)/6 \times (((6 + 6)/6) + 66)$
:= $77 + ((7 \times 77 \times (7 + 7)) - 7)$
:= $8 \times (888 + 8 \times 8)$
:= $(9 - (9 + 9)/9) \times ((99 \times 99 - 9)/9)$
- **7621** := $1 + (111 + (((11 \times (1 + 1)^{11}) - 1)/(1 + 1 + 1)))$
:= $(2 \times 2 \times 22)^2 - ((22/2)^2 + 2)$
:= $3/3 + ((3^3 + 3) \times ((3^{3+3} + 33)/3))$
:= $4 + ((4 \times (4 \times (444 + 4 \times (4 + 4)))) + 4/4)$
:= $(5/5 + 5)^5 - (5 \times (5 \times 5 + 5) + 5)$
:= $66 + (((6 \times (6 \times (6 \times 6 \times 6 - 6))) - 6) + 6/6)$
:= $77 + ((7 \times 77 \times (7 + 7)) - ((7 + 7)/7))$
:= $8 + (((8 \times (888 + 8 \times 8)) - (88/8)) + 8)$
:= $((9 - (9 + 9)/9) \times ((99 \times 99 + 9)/9)) - 9$
- **7612** := $11 \times ((11 \times ((1 + 1 + 1) \times (11 + (11 - 1)))) - 1)$
:= $22 \times (((2^{2+2} + 2)^2) + 22)$
:= $33/3 \times (3^{3+3} - (3/3 + 33 + 3))$
:= $44 + (44 \times (4 \times 44 - 4))$
:= $(5 + 5)/5 \times (((5^5 + 5)/5 + 5^5) + 55)$
:= $6 + (((66 - 6/6) \times (666/6 + 6)) + 6/6)$
:= $77 + ((7 \times 77 \times (7 + 7)) - (77/7))$
:= $88/8 \times (8 \times 88 - ((88 + 8)/8))$
:= $99/9 \times (((((9 + 9)/9)^9) + 9 \times 9) + 99)$
- **7617** := $1 + ((1 + 1) \times ((1 + 111) \times (1 + 11 \times (1 + 1 + 1))))$
:= $2/2 + (2^{2+2} \times (22^2 - 2 \times (2 + 2)))$
:= $3 + (3 \times ((3 \times 33 \times 33) - 3^{3+3}))$
:= $4/4 + (4 \times (4 \times (444 + 4 \times (4 + 4))))$
:= $5/5 + ((5/5 + 5)^5 - (5 \times ((5 + 5)/5)^5))$
:= $6 + (((66 - 6/6) \times (666/6 + 6)) + 6)$
:= $7/7 + (((7 \times 77 \times (7 + 7)) - 7) + 77)$
:= $8/8 + (8 \times (888 + 8 \times 8))$
:= $((9/9 + 9 \times 9) \times ((99 + 9)/9 + 9 \times 9)) - 9$
- **7622** := $(11 \times (11 \times ((1 + 1 + 1) \times (11 + (11 - 1)))) - 1)$
:= $2 + (((2 \times 2 \times 22 - 2)^2) + 222) + 2$
:= $(33 \times (33 \times (3 + 3) + 33)) - 3/3$
:= $(4 \times 44 \times 44) - (444 + 44)/4$
:= $5/5 + ((5/5 + 5)^5 - (5 \times (5 \times 5 + 5) + 5))$
:= $6 + ((666 + 6)/6 \times (((6 + 6)/6) + 66))$
:= $77 + ((7 \times 77 \times (7 + 7)) - 7/7)$
:= $8 + ((8 \times (888 + 8 \times 8)) - ((8 + 8)/8))$
:= $9 + ((9 \times (9 \times 9 \times 9 + 99 + 9) + 9) - 9/9)$

- **7623** := $11 \times (11 \times ((1+1+1) \times (11+(11-1))))$
:= $(2 \times 2 \times 22)^2 - (22/2)^2$
:= $33 \times (33 \times (3+3) + 33)$
:= $44/4 \times (44/4 \times ((4^4-4)/4))$
:= $(5 \times (5 \times (5 \times (55+5) + 5))) - (5+5)/5$
:= $66/6 \times (((6 \times 6/(6+6))^6) - 6 \times 6)$
:= $77 + (7 \times 77 \times (7+7))$
:= $8 + (8 \times (888+8 \times 8)) - 8/8$
:= $9 + (9 \times (9 \times 9 \times 9 + 99 + 9) + 9)$
- **7624** := $1 + (11 \times (11 \times ((1+1+1) \times (11+(11-1))))$
:= $2 \times ((2 \times 22 - 2)^2 + 2^{22/2})$
:= $3/3 + (33 \times (33 \times (3+3) + 33))$
:= $4 + ((4 \times (4 \times (444 + 4 \times (4+4)))) + 4)$
:= $(5 \times (5 \times (5 \times (55+5) + 5))) - 5/5$
:= $((6+6)/6)^6 + (6 \times (6 \times (6 \times 6 \times 6 - 6)))$
:= $7/7 + ((7 \times 77 \times (7+7)) + 77)$
:= $8 + (8 \times (888 + 8 \times 8))$
:= $9 + (9 \times ((9 \times 9 \times 9 + 99 + 9) + 9) + 9/9)$
- **7625** := $1 + (1 + (11 \times (11 \times ((1+1+1) \times (11+(11-1))))$
:= $2 + ((2 \times 2 \times 22)^2 - (22/2)^2)$
:= $((3/3 + 3)^3 - 3) \times (3 - 3/3 + 3)^3$
:= $44 + (((4 - 4/4)^{4+4}) - 4) + 4 \times 4^4$
:= $5 \times (5 \times (5 \times (55+5) + 5))$
:= $66 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) - 6/6)$
:= $77 + ((7 \times 77 \times (7+7)) + ((7+7)/7))$
:= $8 + (8 \times (888 + 8 \times 8)) + 8/8$
:= $9 + ((9 - (9+9)/9) \times ((99 \times 99 - 9)/9))$
- **7626** := $(1+1+1) \times (1 + (11 \times (11 \times (11+(11-1))))$
:= $((22/2)^2 + 2) \times (2^{2+2+2} - 2)$
:= $3 + (33 \times (33 \times (3+3) + 33))$
:= $(4 \times (4+4) - 4/4) \times ((4-44)/4 + 4^4)$
:= $(5/5 + 5)^5 - 5 \times (5 \times 5 + 5)$
:= $66 + (6 \times (6 \times (6 \times 6 \times 6 - 6)))$
:= $7 \times 777 + ((7+7+7)/7)^7$
:= $8 + ((8 \times (888 + 8 \times 8)) + ((8+8)/8))$
:= $(9/9 + 9 \times 9) \times ((99+9)/9 + 9 \times 9)$
- **7627** := $1 + ((1+1+1) \times (1 + (11 \times (11 \times (11+(11-1))))$
:= $2 + (((2 \times 2 \times 22)^2 - (22/2)^2) + 2)$
:= $3 + ((33 \times (33 \times (3+3) + 33)) + 3/3)$
:= $4 + (44/4 \times (44/4 \times ((4^4-4)/4))$
:= $5/5 + ((5/5 + 5)^5 - 5 \times (5 \times 5 + 5))$
:= $66 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) + 6/6)$
:= $7/7 + (((7+7+7)/7)^7 + 7 \times 777)$
:= $88/8 + (8 \times (888 + 8 \times 8))$
:= $((9+9)/9 + 9 \times 9) \times ((99/9) + 9 \times 9) - 9$
- **7628** := $1 + (1 + ((1+1+1) \times (1 + (11 \times (11 \times (11+(11-1))))$
:= $2 + (((22/2)^2 + 2) \times (2^{2+2+2} - 2))$
:= $3 + (((3/3 + 3)^3 - 3) \times (3 - 3/3 + 3)^3)$
:= $((4 \times (4+4) + 4) \times (4^4 - 44)) - 4$
:= $5 + ((5 \times (5 \times (5 \times (55+5) + 5))) - ((5+5)/5))$
:= $66 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) + ((6+6)/6))$
:= $7 + (((7 \times 77 \times (7+7)) - ((7+7)/7)) + 77)$
:= $((88+8)/8) + (8 \times (888 + 8 \times 8))$
:= $9 \times 9 \times (99+9) - (9999/9 + 9)$
- **7629** := $(1+1+1) \times (1 + (1 + (11 \times (11 \times (11+(11-1))))$
:= $(2 \times 2 \times 22)^2 - (222/2 + 2 + 2)$
:= $3 + ((33 \times (33 \times (3+3) + 33)) + 3)$
:= $44 + (((4 - 4/4)^{4+4}) + 4 \times 4^4)$
:= $5 + ((5 \times (5 \times (5 \times (55+5) + 5))) - 5/5)$
:= $(6^{6-6/6}) - (666/6 + 6 \times 6)$
:= $7 + (((7 \times 77 \times (7+7)) - 7/7) + 77)$
:= $88 \times 88 - (((88/8 + 88) + 8) + 8)$
:= $999 + (9 \times (9 \times 9 \times 9 + 9) - (99 + 9)/9)$
- **7630** := $(111 - 1 - 1) \times ((11 - 1 - 1)^{1+1} - 11)$
:= $2222 + (2 \times (2 \times (22 + 2 + 2))^2)$
:= $(3/3 + 3 + 3) \times (33 \times 33 + 3/3)$
:= $(4^4 - 4 - 4)/4 + (44 \times (4 \times 44 - 4))$
:= $5 + (5 \times (5 \times (5 \times (55+5) + 5)))$
:= $(6 \times 6 - 6/6) \times (6 \times 6 \times 6 + (6+6)/6)$
:= $7 + ((7 \times 77 \times (7+7)) + 77)$
:= $8 + (((8 \times (888 + 8 \times 8)) - ((8+8)/8)) + 8)$
:= $(9 - (9+9)/9) \times ((99 \times 99 + 9)/9)$
- **7631** := $(1+1+11) \times (11 + (((1+1) \times (1+11))^{1+1})$
:= $(2 \times 2 \times 22)^2 - (222/2 + 2)$
:= $((3 \times 3 + 3) \times ((3 \times ((3+3)^3 - 3)) - 3)) - 3/3$
:= $((4^4 - 4)/4) + (44 \times (4 \times 44 - 4))$
:= $5 + ((5/5 + 5)^5 - 5 \times (5 \times 5 + 5))$
:= $(6^{6-6/6}) - ((6+6) \times (6+6) + 6/6)$
:= $7 + (((7 \times 77 \times (7+7)) + 77) + 7/7)$
:= $8 + (((8 \times (888 + 8 \times 8)) - 8/8) + 8)$
:= $((9+9)/9)^9 + (99 \times (9 \times 9 - 9) - 9)$
- **7632** := $(1+11) \times (11 + (1 + (1+1) \times (1+11))^{1+1})$
:= $(22 + 2) \times ((2^{2+2} \times (22 - 2)) - 2)$
:= $(3 \times 3 + 3) \times ((3 \times ((3+3)^3 - 3)) - 3)$
:= $(4 \times (4+4) + 4) \times (4^4 - 44)$
:= $((55+5)/5) \times ((55+5^5)/5)$
:= $6 \times (((6 \times (6 \times 6 \times 6 - 6)) + 6) + 6)$
:= $((7+7)/7 + 7) \times ((77 \times 77 + 7)/7)$
:= $8 + ((8 \times (888 + 8 \times 8)) + 8)$
:= $99 + 9 \times (9 \times 9 \times 9 + 99 + 9)$
- **7633** := $((11 \times (1+1)^{1+1+1})^{1+1}) - 111$
:= $(2 \times 2 \times 22)^2 - 222/2$
:= $3 + ((3/3 + 3 + 3) \times (33 \times 33 + 3/3))$
:= $(4 \times 44 \times 44) - 444/4$
:= $5/5 + (((55+5)/5) \times ((55+5^5)/5))$
:= $6/6 + (6 \times (((6 \times (6 \times 6 \times 6 - 6)) + 6) + 6))$
:= $((7+7) \times (7 \times 77 + 7)) - 77/7$
:= $88 \times 88 - 888/8$
:= $9/9 + (9 \times (9 \times 9 \times 9 + 99 + 9) + 99)$
- **7634** := $11 \times (11 + ((1 + (1+1)^{11})/(1+1+1)))$
:= $((2 - 222)/2) + (2 \times 2 \times 22)^2$
:= $33/3 + (33 \times (33 \times (3+3) + 33))$
:= $((4 - 444)/4) + (4 \times 44 \times 44)$
:= $5 + (((5 \times (5 \times (5 \times (55+5) + 5))) - 5/5) + 5)$
:= $(6+6)/6 + (6 \times (((6 \times (6 \times 6 \times 6 - 6)) + 6) + 6))$
:= $77 + ((7 \times 77 \times (7+7)) + (77/7))$
:= $88 \times 88 + ((8 - 888)/8)$
:= $99/9 \times ((99 \times (9 - (9+9)/9)) + 9/9)$
- **7635** := $1 + (11 \times (11 + ((1 + (1+1)^{11})/(1+1+1))))$
:= $2 + ((2 \times 2 \times 22)^2 - 222/2)$
:= $((33+3) \times ((3+3)^3 - 3)) - 33$
:= $4 + ((44 \times (4 \times 44 - 4)) + ((4^4 - 4)/4))$
:= $5 + ((5 \times (5 \times (5 \times (55+5) + 5))) + 5)$
:= $6 + ((6^{6-6/6}) - (666/6 + 6 \times 6))$
:= $7777 - (((7+7)/7)^7 + 7) + 7$
:= $8 + ((8 \times (888 + 8 \times 8)) + (88/8))$
:= $9 + ((9/9 + 9 \times 9) \times ((99+9)/9 + 9 \times 9))$
- **7636** := $(1 + (11 + 11)) \times ((1 + 1 + 1) \times 111 - 1)$
:= $2 + (((2 - 222)/2) + (2 \times 2 \times 22)^2)$
:= $(3^3 - 3/3 - 3) \times (333 - 3/3)$
:= $4 + ((4 \times (4+4) + 4) \times (4^4 - 44))$
:= $5 + (((5/5 + 5)^5 - 5 \times (5 \times 5 + 5)) + 5)$
:= $6 + ((6 \times 6 - 6/6) \times (6 \times 6 \times 6 + (6+6)/6))$
:= $((7+7) \times (7 \times 77 + 7)) - (7/7 + 7)$
:= $8 + ((8 \times (888 + 8 \times 8)) + ((88+8)/8))$
:= $((9+9)/9 + 9 \times 9) \times ((99/9) + 9 \times 9)$
- **7637** := $1 + ((1 + (11 + 11)) \times ((1 + 1 + 1) \times 111 - 1))$
:= $2 + (((2 \times 2 \times 22)^2 - 222/2) + 2)$
:= $(3/3 + 3 + 3) \times ((33 \times 33 - 3/3) + 3)$
:= $4 + ((4 \times 44 \times 44) - 444/4)$
:= $5 + (((55+5)/5) \times ((55+5^5)/5))$
:= $6 + ((6^{6-6/6}) - ((6+6) \times (6+6) + 6/6))$
:= $((7+7) \times (7 \times 77 + 7)) - 7$
:= $88 \times 88 - ((88/8 + 88) + 8)$
:= $9 \times 9 \times (99 + 9) - 9999/9$

- ▶ **7638** := $1 + (1 + ((1 + (11 + 11)) \times ((1 + 1 + 1) \times 111 - 1)))$
:= $22^2/2 + ((2 \times 2 \times 22 - 2)^2)$
:= $3 + (((33 + 3) \times ((3 + 3)^3 - 3)) - 33)$
:= $4 + (((4 - 444)/4) + (4 \times 44 \times 44))$
:= $(5/5 + 5)^5 - ((5 \times 5 \times 55 + 5)/(5 + 5))$
:= $6 + (6 \times (((6 \times (6 \times 6 \times 6 - 6)) + 6) + 6))$
:= $7/7 + (((7 + 7) \times (7 \times 77 + 7)) - 7)$
:= $88 \times 88 + ((8 - 88)/8 - (88 + 8))$
:= $9 \times 9 \times (99 + 9) + ((9 - 9999)/9)$
- ▶ **7643** := $(11 \times (1 + 1)^{11}) - (1 + ((1 + 11^{1+1})^{1+1}))$
:= $(2 \times 2 \times 22)^2 - (2222/22)$
:= $3 + ((33 \times (3 + 3)^3) + ((3 - 3/3)^{3 \times 3}))$
:= $44/4 + ((4 \times (4 + 4) + 4) \times (4^4 - 44))$
:= $5 + ((5/5 + 5)^5 - ((5 \times 5 \times 55 + 5)/(5 + 5)))$
:= $(6^{6-6/6}) - (66 + 6/6 + 66)$
:= $((7 + 7) \times (7 \times 77 + 7)) - 7/7$
:= $88 \times 88 - (8888/88)$
:= $99 + ((9/9 + 9 \times 9) \times ((99/9) + 9 \times 9))$
- ▶ **7648** := $((1 + 1 + 1) \times (111 \times (1 + (11 + 11)))) - 11$
:= $2 \times (2 \times ((2 \times 22)^2 - (22 + 2)))$
:= $(33 - 3/3) \times (((3^{3+3} - 3)/3) - 3)$
:= $(4 + 4) \times ((4 \times (4^4 - 4 \times 4)) - 4)$
:= $(5 + 5)/5 + ((5/5 + 5)^5 - (5 \times 5 \times 5 + 5))$
:= $(6^{6-6/6}) - (((6 + 6)/6)^{6/6+6})$
:= $77/7 + (((7 + 7) \times (7 \times 77 + 7)) - 7)$
:= $88 \times 88 - (88 + 8)$
:= $9 \times 9 \times 9 \times 9 + ((99 \times 99 - (9 + 9))/9)$
- ▶ **7639** := $1 + (1 + (1 + (1 + (11 + 11)) \times ((1 + 1 + 1) \times 111 - 1)))$
:= $(22^2 + 2)/2 + ((2 \times 2 \times 22 - 2)^2)$
:= $3 + ((3^3 - 3/3 - 3) \times (333 - 3/3))$
:= $((44 - 4) \times (4^4 - (4^4 + 4)/4)) - 4/4$
:= $(5/5 + 5)^5 + ((5 - 5 \times 5 \times 55)/(5 + 5))$
:= $6 + ((6 \times (((6 \times (6 \times 6 \times 6 - 6)) + 6) + 6)) + 6/6)$
:= $(7 + 7)/7 + (((7 + 7) \times (7 \times 77 + 7)) - 7)$
:= $88 \times 88 - (((8/8 + 88) + 8) + 8)$
:= $9 + ((9 - (9 + 9)/9) \times ((99 \times 99 + 9)/9))$
- ▶ **7644** := $(11 + (11 - 1)) \times (1 + (11 \times (11 \times (1 + 1 + 1))))$
:= $2 \times ((2^{2+2+2} - 2)^2 - 22)$
:= $(3/3 + 3 + 3) \times (33 \times 33 + 3)$
:= $(4 + 4)^4 + ((4 + 4) \times 444 - 4)$
:= $((55 + 5)/5) \times ((55 + 5^5 + 5)/5)$
:= $(6^{6-6/6}) - (66 + 66)$
:= $(7 + 7) \times (7 \times 77 + 7)$
:= $88 \times 88 + ((88 - 888)/8)$
:= $(99 - 9/9) \times (9 \times 9 - ((9 + 9 + 9)/9))$
- ▶ **7649** := $1 + (((1 + 1 + 1) \times (111 \times (1 + (11 + 11)))) - 11)$
:= $2/2 + (2 \times (2 \times ((2 \times 22)^2 - (22 + 2))))$
:= $33 \times 33 + ((3 \times 3 \times 3^{3+3}) - 3/3)$
:= $4/4 + ((4 + 4) \times 444 + (4 + 4)^4)$
:= $(5/5 + 5)^5 - (5 \times 5 \times 5 + ((5 + 5)/5))$
:= $6 + ((6^{6-6/6}) - (66 + 6/6 + 66))$
:= $7777 - ((7 + 7)/7)^7$
:= $8/8 + (88 \times 88 - (88 + 8))$
:= $9 + (99 \times (9 \times 9 - 9) + ((9 + 9)/9)^9)$
- ▶ **7640** := $(1 + 1) \times (1 + (11 + ((1 + 111) \times (1 + 11 \times (1 + 1 + 1))))$
:= $2 \times (2 \times ((2 \times 22)^2 - (22 + 2 + 2)))$
:= $(33 \times (3 + 3)^3) + ((3 - 3/3)^{3 \times 3})$
:= $(44 - 4) \times (4^4 - (4^4 + 4)/4)$
:= $5 + (((5 \times (5 \times (5 \times (55 + 5) + 5))) + 5) + 5)$
:= $(6^{6-6/6}) - (((6 + 6)/6)^6 + 66) + 6$
:= $7 + (((7 + 7) \times (7 \times 77 + 7)) - (77/7))$
:= $88 \times 88 - (88 + 8 + 8)$
:= $((9 + 9)/9)^9 + 99 \times (9 \times 9 - 9)$
- ▶ **7645** := $11 \times (1 + (11 + ((1 + (1 + 1)^{11})/(1 + 1 + 1))))$
:= $22 + ((2 \times 2 \times 22)^2 - (22/2)^2)$
:= $33/3 \times (3^{3+3} - (3/3 + 33))$
:= $44 + (((4 - 4/4)^{4+4}) + 4 \times (4^4 + 4))$
:= $55 \times (5 \times (5 \times 5 + 5) - (55/5))$
:= $6/6 + ((6^{6-6/6}) - (66 + 66))$
:= $7/7 + ((7 + 7) \times (7 \times 77 + 7))$
:= $88/8 \times (8 \times 88 - (8/8 + 8))$
:= $((99 - (99/9))^{(9+9)/9}) - 99$
- ▶ **7650** := $(1 + 11 \times (1 + 1 + 1)) \times (1 + ((1 + 1) \times (1 + 111)))$
:= $2 + (2 \times (2 \times ((2 \times 22)^2 - (22 + 2))))$
:= $(3 + 3) \times (((3 + 3) \times ((3 + 3)^3 - 3)) - 3)$
:= $(4^4 - 4/4) \times (4 \times (4 + 4) - (4 + 4)/4)$
:= $5 \times ((5 \times (5 \times (55 + 5) + 5)) + 5)$
:= $6 + ((6^{6-6/6}) - (66 + 66))$
:= $7 + (((7 + 7) \times (7 \times 77 + 7)) - 7/7)$
:= $(8 + 8)/8 + (88 \times 88 - (88 + 8))$
:= $9 + (9 \times (9 \times 9 \times 9 + 9) + 999)$
- ▶ **7641** := $11 + ((111 - 1 - 1) \times ((11 - 1 - 1)^{1+1} - 11))$
:= $(2 \times (2 \times ((2 \times 22)^2 + 2))) - 222/2$
:= $3 \times ((33 \times (3 \times 3^3 - 3)) - 3^3)$
:= $4 + (((4 \times 44 \times 44) - 444/4) + 4)$
:= $(5/5 + 5)^5 - ((5 \times 5 \times 5 + 5) + 5)$
:= $6 \times 6 + ((66 - 6/6) \times (666/6 + 6))$
:= $((7 + 7) \times (7 \times 77 + 7)) - (7 + 7 + 7)/7$
:= $8 + (88 \times 88 - 888/8)$
:= $999 + 9 \times (9 \times 9 \times 9 + 9)$
- ▶ **7646** := $1 + (11 \times (1 + (11 + ((1 + (1 + 1)^{11})/(1 + 1 + 1))))$
:= $2 + (2 \times ((2^{2+2+2} - 2)^2 - 22))$
:= $3 + (((33 \times (3 + 3)^3) + ((3 - 3/3)^{3 \times 3})) + 3)$
:= $(4 + 4)^4 + ((4 + 4) \times 444 - (4 + 4)/4)$
:= $(5/5 + 5)^5 - (5 \times 5 \times 5 + 5)$
:= $(6^{6-6/6}) - (((6 + 6)/6)^6 + 66)$
:= $(7 + 7)/7 + ((7 + 7) \times (7 \times 77 + 7))$
:= $88 \times 88 + ((8 - 88)/8 - 88)$
:= $9 + (9 \times 9 \times (99 + 9) - 9999/9)$
- ▶ **7651** := $1 + ((1 + 11 \times (1 + 1 + 1)) \times (1 + ((1 + 1) \times (1 + 111))))$
:= $(2 \times ((2 \times ((2 \times 22)^2 - 22)) - 2)) - 2/2$
:= $3 + ((33 - 3/3) \times (((3^{3+3} - 3)/3) - 3))$
:= $4 + (((4 + 4) \times 444 - 4/4) + (4 + 4)^4)$
:= $(5/5 + 5)^5 - 5 \times 5 \times 5$
:= $6 + (((6^{6-6/6}) - (66 + 66)) + 6/6)$
:= $7 + ((7 + 7) \times (7 \times 77 + 7))$
:= $8 + (88 \times 88 - (8888/88))$
:= $9 \times 9 \times 9 \times 9 + ((99 \times 99 + 9)/9)$
- ▶ **7642** := $((1 + 1)^{1+1+11}) - ((1111 - 11)/(1 + 1))$
:= $(2 \times ((2^{2+2+2} - 2)^2 - 22)) - 2$
:= $3/3 + (3 \times ((33 \times (3 \times 3^3 - 3)) - 3^3))$
:= $4 + (((4 - 444)/4) + (4 \times 44 \times 44) + 4)$
:= $5 + (((55 + 5)/5) \times ((55 + 5^5)/5) + 5)$
:= $(6^{6-6/6}) - (((6 + 6)/6)^{6/6+6}) + 6$
:= $7777 - (((7 + 7)/7)^7 + 7)$
:= $8 + (((8 - 888)/8) + 88 \times 88)$
:= $9/9 + (9 \times (9 \times 9 \times 9 + 9) + 999)$
- ▶ **7647** := $11 + ((1 + (11 + 11)) \times ((1 + 1 + 1) \times 111 - 1))$
:= $(2 \times (2 \times ((2 \times 22)^2 - (22 + 2)))) - 2/2$
:= $3 + ((3/3 + 3 + 3) \times (33 \times 33 + 3))$
:= $(4 + 4)^4 + ((4 + 4) \times 444 - 4/4)$
:= $5/5 + ((5/5 + 5)^5 - (5 \times 5 \times 5 + 5))$
:= $(6^{6-6/6}) - (((666/6 + 6) + 6) + 6)$
:= $(7 + 7 + 7)/7 + ((7 + 7) \times (7 \times 77 + 7))$
:= $88 \times 88 - ((8/8 + 88) + 8)$
:= $9 + (((9 - 9999)/9) + 9 \times 9 \times (99 + 9))$
- ▶ **7652** := $((1 + 1 + 1) \times (((1 + 1) \times 11^{1+1+1}) - 111)) - 1$
:= $2 \times ((2 \times ((2 \times 22)^2 - 22)) - 2)$
:= $((3 + 3) \times (33/3)^3) - (333 + 3/3)$
:= $4 + ((4 + 4) \times 444 + (4 + 4)^4)$
:= $5/5 + ((5/5 + 5)^5 - 5 \times 5 \times 5)$
:= $6 + ((6^{6-6/6}) - (((6 + 6)/6)^6 + 66))$
:= $7 + (((7 + 7) \times (7 \times 77 + 7)) + 7/7)$
:= $88 \times 88 - (8 \times 8/(8 + 8) + 88)$
:= $99/9 + (9 \times (9 \times 9 \times 9 + 9) + 999)$

$$\begin{aligned}
\blacktriangleright 7653 &:= (1+1+1) \times (((1+1) \times 11^{1+1+1}) - 111) \\
&:= 2/2 + (2 \times ((2 \times (2 \times 22)^2 - 22)) - 2) \\
&:= (3+3) \times (33/3)^3 - 333 \\
&:= 4 + (((4+4) \times 444 + (4+4)^4) + 4/4) \\
&:= (5+5)/5 + ((5/5+5)^5 - 5 \times 5 \times 5) \\
&:= (6^{6-6/6}) - ((666/6+6) + 6) \\
&:= 7 + (((7+7) \times (7 \times 77 + 7)) + ((7+7)/7)) \\
&:= 8 + (88/8 \times (8 \times 88 - (8/8+8))) \\
&:= 9 + ((99-9/9) \times (9 \times 9 - ((9+9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7654 &:= 1 + ((1+1+1) \times (((1+1) \times 11^{1+1+1}) - 111)) \\
&:= (2 \times (2 \times ((2 \times 22)^2 - 22))) - 2 \\
&:= 3/3 + (((3+3) \times (33/3)^3) - 333) \\
&:= (44 - 4/4) \times (4 \times 44 + (4+4)/4) \\
&:= (5/5 + 5)^5 - ((555 + 55)/5) \\
&:= (6^{6-6/6}) - ((666 + 66)/6) \\
&:= ((77 - 7)/7) + ((7+7) \times (7 \times 77 + 7)) \\
&:= (8/8 + 88) \times (88 - ((8+8)/8)) \\
&:= 9 + (((99 - (99/9))^{(9+9)/9}) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7655 &:= 11111 - ((1+1) \times ((1+11)^{1+1+1})) \\
&:= (2 \times (2 \times ((2 \times 22)^2 - 22))) - 2/2 \\
&:= (33 \times ((3^{3+3} - 33)/3)) - 3/3 \\
&:= (44 \times (4 \times 44 - (4+4)/4)) - 4/4 \\
&:= 5 + (5 \times ((5 \times (5 \times (55 + 5) + 5)) + 5)) \\
&:= (6^{6-6/6}) - ((66/6) \times (66/6)) \\
&:= 77/7 + ((7+7) \times (7 \times 77 + 7)) \\
&:= 88 \times 88 - (8/8 + 88) \\
&:= 9 \times 9 \times 99 + ((9 - 9 \times 9 \times 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7656 &:= 11 \times ((1+1+1) \times (111 + 11^{1+1})) \\
&:= 2 \times (2 \times ((2 \times 22)^2 - 22)) \\
&:= 33 \times ((3^{3+3} - 33)/3) \\
&:= 44 \times (4 \times 44 - (4+4)/4) \\
&:= 5 + ((5/5+5)^5 - 5 \times 5 \times 5) \\
&:= 66 \times (((666 - 6)/6) + 6) \\
&:= 7 + (7777 - ((7+7)/7)^7) \\
&:= 88 \times (88 - 8/8) \\
&:= (99+9)/9 \times (9 \times (9 \times 9 - 9) - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7657 &:= 1 + (11 \times ((1+1+1) \times (111 + 11^{1+1}))) \\
&:= 2/2 + (2 \times (2 \times ((2 \times 22)^2 - 22))) \\
&:= 3/3 + (33 \times ((3^{3+3} - 33)/3)) \\
&:= 4/4 + (44 \times (4 \times 44 - (4+4)/4)) \\
&:= 5 + (((5/5+5)^5 - 5 \times 5 \times 5) + 5/5) \\
&:= 6/6 + (66 \times (((666 - 6)/6) + 6)) \\
&:= 777/7 + (7 \times 77 \times (7+7)) \\
&:= 8/8 + (88 \times (88 - 8/8)) \\
&:= ((99+9) \times (9 \times 9 - (9/9+9))) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7658 &:= ((1+1+1) \times (111 \times (1 + (11 + 11)))) - 1 \\
&:= 2 + (2 \times (2 \times ((2 \times 22)^2 - 22))) \\
&:= (333 \times (3^3 - 3/3 - 3)) - 3/3 \\
&:= 4 + ((44 - 4/4) \times (4 \times 44 + (4+4)/4)) \\
&:= 5 + (((5/5+5)^5 - 5 \times 5 \times 5) + ((5+5)/5)) \\
&:= (6^{6-6/6}) - ((666+6)/6+6) \\
&:= 7 + (((7+7) \times (7 \times 77 + 7)) + 7) \\
&:= (8+8)/8 + (88 \times (88 - 8/8)) \\
&:= 9 + ((99 \times (9 \times 9 - 9) + ((9+9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7659 &:= (1+1+1) \times (111 \times (1 + (11 + 11))) \\
&:= 2 + ((2 \times (2 \times ((2 \times 22)^2 - 22))) + 2/2) \\
&:= 333 \times (3^3 - 3/3 - 3) \\
&:= 444/4 \times ((4^4 + 4)/4 + 4) \\
&:= (5/5 + 5)^5 - ((555 + 5)/5 + 5) \\
&:= (6^{6-6/6}) - (666/6 + 6) \\
&:= 7777 - (777/7 + 7) \\
&:= 88/8 + (88 \times 88 - (88 + 8)) \\
&:= 99 + (9 \times 9 \times 9 \times 9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7660 &:= 1 + ((1+1+1) \times (111 \times (1 + (11 + 11)))) \\
&:= 2 \times (2 \times ((2 \times 22)^2 - 22)) + 2 \\
&:= (3^3 \times 333) - (33/3)^3 \\
&:= 4 + (44 \times (4 \times 44 - (4+4)/4)) \\
&:= (5/5 + 5)^5 - (555/5 + 5) \\
&:= (6^{6-6/6}) + (((6 - 666)/6) - 6) \\
&:= 7777 + (((7 - 777)/7) - 7) \\
&:= 88 \times 88 + (8 \times 8/(8+8) - 88) \\
&:= 9 + (((99 + 99 + 9)/9) + 9 \times 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7661 &:= 1 + (1 + ((1+1+1) \times (111 \times (1 + (11 + 11)))))) \\
&:= 2/2 + (2 \times ((2 \times ((2 \times 22)^2 - 22)) + 2)) \\
&:= 3 + ((333 \times (3^3 - 3/3 - 3)) - 3/3) \\
&:= 4 + ((44 \times (4 \times 44 - (4+4)/4)) + 4/4) \\
&:= 5 + (((5/5+5)^5 - 5 \times 5 \times 5) + 5) \\
&:= 6 + ((6^{6-6/6}) - ((66/6) \times (66/6))) \\
&:= 7 + (((7+7) \times (7 \times 77 + 7)) + ((77 - 7)/7)) \\
&:= 88 \times 88 - ((88/8 + 8 \times 8) + 8) \\
&:= 9 \times 9 \times 9 \times 9 + ((99/9) \times (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7662 &:= (1+1+1) \times (1 + (111 \times (1 + (11 + 11)))) \\
&:= 2 + (2 \times ((2 \times ((2 \times 22)^2 - 22)) + 2)) \\
&:= 3 + (333 \times (3^3 - 3/3 - 3)) \\
&:= (4 \times 44 \times 44) - ((4 - 4/4)^4 + 4/4) \\
&:= 55/5 + ((5/5+5)^5 - 5 \times 5 \times 5) \\
&:= 6 + (66 \times (((666 - 6)/6) + 6)) \\
&:= 7 + (((7+7) \times (7 \times 77 + 7)) + (77/7)) \\
&:= 8 + ((8/8+88) \times (88 - ((8+8)/8))) \\
&:= 9 \times 9 \times 9 \times 9 + (((9999 - 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7663 &:= 1 + ((1+1+1) \times (1 + (111 \times (1 + (11 + 11)))))) \\
&:= (2 \times 2 \times 22)^2 - (2/2 + 2)^{2+2} \\
&:= 3 + ((3^3 \times 333) - (33/3)^3) \\
&:= (4 \times 44 \times 44) - (4 - 4/4)^4 \\
&:= (5/5 + 5)^5 - (555 + 5 + 5)/5 \\
&:= (6^{6-6/6}) - (((666 + 6) + 6)/6) \\
&:= 7 + ((7777 - ((7+7)/7)^7) + 7) \\
&:= 8 + (88 \times 88 - (8/8 + 88)) \\
&:= 9 \times 9 \times 9 \times 9 + (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7664 &:= (1+1) \times ((1+1) \times ((1+1)^{11} - (11 \times (1+1)))) \\
&:= 2 \times (2 \times ((2 \times 22)^2 - 22) + 2) \\
&:= ((33/3 + 3 \times 3)^3) - 333 - 3 \\
&:= 4 \times (44 \times 44 - (4 \times 4 + 4)) \\
&:= (5/5 + 5)^5 - (555 + 5)/5 \\
&:= (6^{6-6/6}) - (666 + 6)/6 \\
&:= 7 + ((7 \times 77 \times (7+7)) + 777/7) \\
&:= 8 + (88 \times (88 - 8/8)) \\
&:= 9 \times 9 \times 9 \times 9 + ((9999 + 9)/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7665 &:= (1+1+1) \times (1 + (1 + (111 \times (1 + (11 + 11)))))) \\
&:= 2 + ((2 \times 2 \times 22)^2 - (2/2 + 2)^{2+2}) \\
&:= ((33 + 3) \times ((3+3)^3 - 3)) - 3 \\
&:= 4/4 + (4 \times (44 \times 44 - (4 \times 4 + 4))) \\
&:= (5/5 + 5)^5 - 555/5 \\
&:= (6^{6-6/6}) - 666/6 \\
&:= 7 + (((7+7) \times (7 \times 77 + 7)) + 7) + 7 \\
&:= 8 + ((88 \times (88 - 8/8)) + 8/8) \\
&:= ((99 + 9) \times (9 \times 9 - 9)) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7666 &:= (1111 \times (1 + ((1+1) \times (1 + 1 + 1)))) - 111 \\
&:= (2 \times (2^{2+2+2} - 2)^2) - 22 \\
&:= 3/3 + (((33 + 3) \times ((3+3)^3 - 3)) - 3) \\
&:= (4+4)/4 + (4 \times (44 \times 44 - (4 \times 4 + 4))) \\
&:= (5/5 + 5)^5 - (55 + 55) \\
&:= (6^{6-6/6}) + ((6 - 666)/6) \\
&:= 7777 - 777/7 \\
&:= 8 + ((88 \times (88 - 8/8)) + ((8+8)/8)) \\
&:= 9 \times (9 \times 9 \times 9 + 9) + (((9+9)/9)^{9+9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7667 &:= 11 \times (1 + ((1+1+1) \times (111 + 11^{1+1}))) \\
&:= 2/2 + ((2 \times (2^{2+2+2} - 2)^2) - 22) \\
&:= ((33/3 + 3 \times 3)^3) - 333 \\
&:= 4 + (4 \times 44 \times 44) - (4 - 4/4)^4 \\
&:= 5/5 + ((5/5+5)^5 - (55 + 55)) \\
&:= (6^{6-6/6}) + (((6 - 666) + 6)/6) \\
&:= 7777 + ((7 - 777)/7) \\
&:= 88/8 + (88 \times (88 - 8/8)) \\
&:= ((99 + 9) \times (9 \times 9 - (9/9 + 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7668 &:= 1 + (11 \times (1 + ((1 + 1 + 1) \times (111 + 11^{1+1})))) \\
&:= 2 + ((2 \times (2^{2+2+2} - 2)^2) - 22) \\
&:= (33 + 3) \times ((3 + 3)^3 - 3) \\
&:= 4 + (4 \times (44 \times 44 - (4 \times 4 + 4))) \\
&:= 5 + ((5/5 + 5)^5 - (555 + 5 + 5)/5) \\
&:= 6 \times (6 \times 6 \times 6 \times 6 - (6 + 6 + 6)) \\
&:= 7777 + (((7 - 777) + 7)/7) \\
&:= 88 \times 88 + ((88 + 8)/8 - 88) \\
&:= (99 + 9) \times (9 \times 9 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7669 &:= (1 + 1)^{11} + (11 \times ((1 + 1)^{11-1-1} - 1)) \\
&:= (2^{2+2} \times (22^2 - (2 + 2))) - 22/2 \\
&:= 3/3 + ((33 + 3) \times ((3 + 3)^3 - 3)) \\
&:= (4 \times 44 \times 44) - (44 + 4^4)/4 \\
&:= 5 + ((5/5 + 5)^5 - (555 + 5)/5) \\
&:= 6/6 + (6 \times (6 \times 6 \times 6 \times 6 - (6 + 6 + 6))) \\
&:= 7 + (((7 + 7) \times (7 \times 77 + 7)) + (77/7) + 7) \\
&:= 88 \times 88 - (88/8 + 8 \times 8) \\
&:= 9/9 + ((99 + 9) \times (9 \times 9 - (9/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7670 &:= 11 + ((1 + 1 + 1) \times (111 \times (1 + (11 + 11)))) \\
&:= (2 \times ((2^{2+2+2} - 2)^2 + 2)) - 22 \\
&:= 3 + (((33/3 + 3 \times 3)^3) - 333) \\
&:= (4 + 4)/4 \times ((4 + 4)^4 - ((4/4 + 4^4) + 4)) \\
&:= 5 + ((5/5 + 5)^5 - 555/5) \\
&:= 6 + ((6^{6-6/6}) - (666 + 6)/6) \\
&:= 7 + (((7777 - ((7 + 7)/7)^7) + 7) + 7) \\
&:= 88 \times 88 + ((8 - 88)/8 - 8 \times 8) \\
&:= (9 + 9)/9 + ((99 + 9) \times (9 \times 9 - (9/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7671 &:= 1111 + (1 + 1 + 1)^{(1+1)^{1+1+1}} - 1 \\
&:= 2 + ((2^{2+2} \times (22^2 - (2 + 2))) - 22/2) \\
&:= 3 + ((33 + 3) \times ((3 + 3)^3 - 3)) \\
&:= 4 + ((4 \times 44 \times 44) - (4 - 4/4)^4 + 4) \\
&:= 5 + ((5/5 + 5)^5 - (55 + 55)) \\
&:= 6 + ((6^{6-6/6}) - 666/6) \\
&:= 77 + ((7 \times (77 \times (7 + 7) + 7)) - 7/7) \\
&:= 88 \times 88 - ((8/8 + 8 \times 8) + 8) \\
&:= 9 \times 9 \times 9 \times 9 + ((9999 - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7672 &:= 1111 + (1 + 1 + 1)^{(1+1)^{1+1+1}} \\
&:= 2 \times (2 \times (((2 \times 22)^2 - 22) + 2) + 2) \\
&:= 3 + (((33 + 3) \times ((3 + 3)^3 - 3)) + 3/3) \\
&:= (4 + 4) \times (4 \times 4^4 - (4^4 + 4)/4) \\
&:= (5/5 + 5)^5 + ((5 - 5^5)/(5 \times 5 + 5)) \\
&:= 6 + (((6 - 666)/6) + (6^{6-6/6})) \\
&:= 77 + (7 \times (77 \times (7 + 7) + 7)) \\
&:= 88 \times 88 - (8 \times 8 + 8) \\
&:= 9 \times 9 \times 9 \times 9 + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7673 &:= 1111 + (1 + 1 + 1)^{(1+1)^{1+1+1}} + 1 \\
&:= (2 \times ((2^{2+2+2} - 2)^2 - 2)) - 22/2 \\
&:= 3 + (((33/3 + 3 \times 3)^3) - 333) + 3) \\
&:= 4 + ((4 \times 44 \times 44) - (44 + 4^4)/4) \\
&:= (5 \times (5 \times (5^5 - 55)/(5 + 5))) - (5 + 5)/5 \\
&:= (6^{6-6/6}) - ((6 \times 6 + 66) + 6/6) \\
&:= 7 + (7777 - 777/7) \\
&:= 8/8 + (88 \times 88 - (8 \times 8 + 8)) \\
&:= 9 \times 9 \times 9 \times 9 + (9999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7674 &:= 1111 + (1 + 1 + 1)^{(1+1)^{1+1+1}} + 1 + 1 \\
&:= 2 + (2 \times (2 \times (((2 \times 22)^2 - 22) + 2) + 2)) \\
&:= 3 + (((33 + 3) \times ((3 + 3)^3 - 3)) + 3) \\
&:= (4 + 4)/4 \times (((4 + 4)^4 - (4^4 + 4)) + 4/4) \\
&:= (5 \times (5 \times (5^5 - 55)/(5 + 5))) - 5/5 \\
&:= (6^{6-6/6}) - (6 \times 6 + 66) \\
&:= ((7 + 7)/7)^7 + (7 \times 77 \times (7 + 7)) \\
&:= (8 + 8)/8 + (88 \times 88 - (8 \times 8 + 8)) \\
&:= 9 + (((99 + 9) \times (9 \times 9 - 9)) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7675 &:= 111 + (((1 + (1 + 11^{1+1}))^{1+1}) - 1)/(1 + 1)) \\
&:= (2 \times (2^{2+2+2} - 2)^2) - (22/2 + 2) \\
&:= 3 + (((33 + 3) \times ((3 + 3)^3 - 3)) + 3/3) + 3) \\
&:= (4 \times 44 \times 44) - ((4^4 + 4)/4 + 4) \\
&:= 5 \times (5 \times (5^5 - 55)/(5 + 5)) \\
&:= 6/6 + ((6^{6-6/6}) - (6 \times 6 + 66)) \\
&:= (7 \times (777 + 7)) + ((7 + 7 + 7)/7)^7 \\
&:= 8 + ((88 \times (88 - 8/8)) + (88/8)) \\
&:= ((99 + 9) \times (9 \times 9 - 9)) - ((9 + 9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7676 &:= 111 + ((1 + ((1 + (1 + 11^{1+1}))^{1+1}))/ (1 + 1)) \\
&:= 2 \times ((2^{2+2+2} - 2)^2 - (2 + 2 + 2)) \\
&:= 3 \times 3 + (((33/3 + 3 \times 3)^3) - 333) \\
&:= (4 \times ((4 + 4) \times (4^4 - 4 \times 4))) - 4 \\
&:= (5 \times (5 - 5 \times 5)) + (5/5 + 5)^5 \\
&:= (6^{6-6/6}) + ((66 - 666)/6) \\
&:= (77 - 7/7) \times (7777/77) \\
&:= 88 \times 88 - (8 \times 8/(8 + 8) + 8 \times 8) \\
&:= ((99 + 9) \times (9 \times 9 - 9)) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7677 &:= (((1 + (1 + (1 + 11^{1+1})))^{1+1}) / (1 + 1)) - 11 \\
&:= (2 \times (2^{2+2+2} - 2)^2) - 22/2 \\
&:= 3 \times (((3 \times 3 + 3) \times ((3 + 3)^3 - 3)) + 3) \\
&:= 4/4 + ((4 \times ((4 + 4) \times (4^4 - 4 \times 4))) - 4) \\
&:= 5/5 + ((5 \times (5 - 5 \times 5)) + (5/5 + 5)^5) \\
&:= 6 + (((6^{6-6/6}) - 666/6) + 6) \\
&:= 7777 + ((77 - 777)/7) \\
&:= 8 + (88 \times 88 - (88/8 + 8 \times 8)) \\
&:= ((99 + 9) \times (9 \times 9 - 9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7678 &:= 11 \times (((1 + 1 + 1) \times (11 + (1 + 1) \times 111)) - 1) \\
&:= (2^{2+2} \times (22^2 - (2 + 2))) - 2 \\
&:= 3 \times 3 + (((33 + 3) \times ((3 + 3)^3 - 3)) + 3/3) \\
&:= (4 + 4)/4 \times ((4 + 4)^4 - (4/4 + 4^4)) \\
&:= (5 + 5)/5 + ((5 \times (5 - 5 \times 5)) + (5/5 + 5)^5) \\
&:= 6 + (((6 - 666)/6) + (6^{6-6/6})) + 6) \\
&:= 7777 - (7 \times (7 + 7) + 7/7) \\
&:= 88 \times 88 - (((8 + 8)/8) + 8 \times 8) \\
&:= 9/9 + (((99 + 9) \times (9 \times 9 - 9)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7679 &:= (1 + 1)^{11} + ((11 \times (1 + 1)^{11-1-1}) - 1) \\
&:= (2^{2+2} \times (22^2 - (2 + 2))) - 2/2 \\
&:= 33/3 + ((33 + 3) \times ((3 + 3)^3 - 3)) \\
&:= (4 \times 44 \times 44) - (4^4 + 4)/4 \\
&:= 5 + ((5 \times (5 \times (5^5 - 55)/(5 + 5))) - 5/5) \\
&:= 6 + ((6^{6-6/6}) - ((6 \times 6 + 66) + 6/6)) \\
&:= 7777 - 7 \times (7 + 7) \\
&:= 88 \times 88 - (8/8 + 8 \times 8) \\
&:= (9 + 9)/9 + (((99 + 9) \times (9 \times 9 - 9)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7680 &:= (1 + 1)^{11} + (11 \times (1 + 1)^{11-1-1}) \\
&:= 2^{2+2} \times (22^2 - (2 + 2)) \\
&:= (3^3 + 3) \times ((3/3 + 3)^{3/3+3}) \\
&:= 4 \times ((4 + 4) \times (4^4 - 4 \times 4)) \\
&:= 5 + (5 \times (5 \times (5^5 - 55)/(5 + 5))) \\
&:= 6 + ((6^{6-6/6}) - (6 \times 6 + 66)) \\
&:= 7/7 + (7777 - 7 \times (7 + 7)) \\
&:= 8 \times (8 \times (8 \times (8 + 8) - 8)) \\
&:= (((9 + 9)/9)^9) \times ((9 - ((9 + 9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7681 &:= 1 + ((1 + 1)^{11} + (11 \times (1 + 1)^{11-1-1})) \\
&:= 2/2 + (2^{2+2} \times (22^2 - (2 + 2))) \\
&:= 3/3 + ((3^3 + 3) \times ((3/3 + 3)^{3/3+3})) \\
&:= 4/4 + (4 \times ((4 + 4) \times (4^4 - 4 \times 4))) \\
&:= 5 + ((5 \times (5 - 5 \times 5)) + (5/5 + 5)^5) \\
&:= 6 + (((6^{6-6/6}) - (6 \times 6 + 66)) + 6/6) \\
&:= 7 + ((7 \times 77 \times (7 + 7)) + ((7 + 7)/7)^7) \\
&:= 8/8 + (8 \times (8 \times (8 \times (8 + 8) - 8))) \\
&:= 9 + (9999/9 + 9 \times 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7682 &:= (1 + (11 + 11)) \times (1 + (1 + 1 + 1) \times 111) \\
&:= 2 + (2^{2+2} \times (22^2 - (2 + 2))) \\
&:= (3^3 - 3/3 - 3) \times (333 + 3/3) \\
&:= (4 + 4)/4 + (4 \times ((4 + 4) \times (4^4 - 4 \times 4))) \\
&:= 5 + (((5 \times (5 - 5 \times 5)) + (5/5 + 5)^5) + 5/5) \\
&:= 6 + (((66 - 666)/6) + (6^{6-6/6})) \\
&:= 7777 - ((77/7 + 77) + 7) \\
&:= (8 + 8)/8 + (8 \times (8 \times (8 \times (8 + 8) - 8))) \\
&:= 9 + ((9999 + 9)/9 + 9 \times 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7683 &:= 1 + ((1 + (11 + 11)) \times (1 + (1 + 1 + 1) \times 111)) \\
&:= (2 \times ((2^{2+2+2} - 2)^2 - 2)) - 2/2 \\
&:= 3 + ((3^3 + 3) \times ((3/3 + 3)^{3/3+3})) \\
&:= 4 + ((4 \times 44 \times 44) - (4^4 + 4)/4) \\
&:= (5/5 + 5)^5 + (((5 + 5)/5)^5 - 5 \times 5 \times 5) \\
&:= 6 + (((6^{6-6/6}) - 666/6) + 6) + 6 \\
&:= 7 + ((77 - 7/7) \times (7777/77)) \\
&:= 88/8 + (88 \times 88 - (8 \times 8 + 8)) \\
&:= 9 \times 9 \times 9 + 9 + ((9999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7684 &:= (1 + 1) \times ((1 + 1 + 111) \times (1 + 11 \times (1 + 1 + 1))) \\
&:= 2 \times ((2^{2+2+2} - 2)^2 - 2) \\
&:= (3/3 + 33) \times (((3 + 3)^3 + 3/3) + 3 \times 3) \\
&:= 4 + (4 \times ((4 + 4) \times (4^4 - 4 \times 4))) \\
&:= (5 - 5/5)^5 + (555 \times ((55 + 5)/5)) \\
&:= (((6 + 6)/6) + 66) \times (((666 + 6) + 6)/6) \\
&:= 7 + (((77 - 777)/7) + 7777) \\
&:= 88 \times 88 + (8 \times 8/(8 + 8) - 8 \times 8) \\
&:= 9 \times 9 \times 99 - ((9 + 9) \times (9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7685 &:= 1 + ((1 + 1) \times ((1 + 1 + 111) \times (1 + 11 \times (1 + 1 + 1)))) \\
&:= 2/2 + (2 \times ((2^{2+2+2} - 2)^2 - 2)) \\
&:= 3 + ((3^3 - 3/3 - 3) \times (333 + 3/3)) \\
&:= 4 + ((4 \times ((4 + 4) \times (4^4 - 4 \times 4))) + 4/4) \\
&:= 5 + ((5 \times (5 \times (5^5 - 55)/(5 + 5))) + 5) \\
&:= 66/6 + ((6^{6-6/6}) - (6 \times 6 + 66)) \\
&:= 7 + (7777 - (7 \times (7 + 7) + 7/7)) \\
&:= 8 + ((88 \times 88 - (88/8 + 8 \times 8)) + 8) \\
&:= 9 + (((99 + 9) \times (9 \times 9 - 9)) - (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7686 &:= (1 + 1) \times (((1 + ((1 + 11^{1+1})/(1 + 1)))^{1+1}) - 1) \\
&:= (2 \times (2^{2+2+2} - 2)^2) - 2 \\
&:= (3 + 3) \times (((3 + 3) \times ((3 + 3)^3 - 3)) + 3) \\
&:= ((4^4 - 4)/4) \times (444 + 44)/4 \\
&:= 5 + (((5 \times (5 - 5 \times 5)) + (5/5 + 5)^5) + 5) \\
&:= (66 \times (666/6 + 6)) - 6 \times 6 \\
&:= 7 + (7777 - 7 \times (7 + 7)) \\
&:= 8 + (88 \times 88 - ((8 + 8)/8) + 8 \times 8) \\
&:= 9 + (((99 + 9) \times (9 \times 9 - 9)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7687 &:= (((1 + (1 + (1 + 11^{1+1})))^{1+1})/(1 + 1)) - 1 \\
&:= (2 \times (2^{2+2+2} - 2)^2) - 2/2 \\
&:= 3^3 + ((3^3 \times 333) - (33/3)^3) \\
&:= 4 + (((4 \times 44 \times 44) - (4^4 + 4)/4) + 4) \\
&:= 55 + (((55 + 5)/5) \times ((55 + 5^5)/5)) \\
&:= 6/6 + ((66 \times (666/6 + 6)) - 6 \times 6) \\
&:= 7 + ((7777 - 7 \times (7 + 7)) + 7/7) \\
&:= 8 + (88 \times 88 - (8/8 + 8 \times 8)) \\
&:= 9 + (((99 + 9) \times (9 \times 9 - 9)) - 99) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7688 &:= ((1 + (1 + (1 + 11^{1+1})))^{1+1})/(1 + 1) \\
&:= 2 \times (2^{2+2+2} - 2)^2 \\
&:= (3 \times (33 \times (3 \times 3^3 - 3))) - 3/3 - 33 \\
&:= 4 + ((4 \times ((4 + 4) \times (4^4 - 4 \times 4))) + 4) \\
&:= ((5 \times 5 + 5/5) + 5) \times (((5 - (5 + 5)/5)^5) + 5) \\
&:= (6^{6-6/6}) - (((66 + 66)/6) + 66) \\
&:= 7777 - ((77 + 7)/7 + 77) \\
&:= 8 + (8 \times (8 \times (8 \times (8 + 8) - 8))) \\
&:= (9 - 9/9) \times (9 \times (99 + 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7689 &:= 1 + (((1 + (1 + (1 + 11^{1+1})))^{1+1})/(1 + 1)) \\
&:= 2/2 + (2 \times (2^{2+2+2} - 2)^2) \\
&:= 33 \times ((3 \times (3 \times 3^3 - 3)) - 3/3) \\
&:= 44/4 \times ((444 - 4/4) + 4^4) \\
&:= (5/5 + 5)^5 - (((5 + 5)/5)^5 + 55) \\
&:= 66/6 \times (((6 \times 6/(6 + 6))^6) - 6 \times 6) + 6 \\
&:= 7777 - (77/7 + 77) \\
&:= 8 + ((8 \times (8 \times (8 \times (8 + 8) - 8))) + 8/8) \\
&:= 9 + (((9 + 9)/9)^9) \times ((9 - ((9 + 9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7690 &:= 1 + (1 + (((1 + (1 + (1 + 11^{1+1})))^{1+1})/(1 + 1))) \\
&:= 2 + (2 \times (2^{2+2+2} - 2)^2) \\
&:= 3/3 + (33 \times ((3 \times (3 \times 3^3 - 3)) - 3/3)) \\
&:= 4 + (((4^4 - 4)/4) \times (444 + 44)/4) \\
&:= 5 \times (((5^5 + 5/5)/(5 + 5)/5) - 5 \times 5) \\
&:= 6666 + (((6 + 6)/6)^{66-6/6}) \\
&:= 77/7 + (7777 - 7 \times (7 + 7)) \\
&:= 8 + ((8 \times (8 \times (8 \times (8 + 8) - 8))) + ((8 + 8)/8)) \\
&:= 9 + ((9999/9 + 9 \times 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7691 &:= (1 + 1)^{11} + (11 \times (1 + (1 + 1)^{11-1-1})) \\
&:= 2 + ((2 \times (2^{2+2+2} - 2)^2) + 2/2) \\
&:= (3^3 \times 3 \times (3 \times 33 - 3) - 3) - (3/3 + 3) \\
&:= 44/4 + (4 \times ((4 + 4) \times (4^4 - 4 \times 4))) \\
&:= (5/5 + 5)^5 - (5 \times 5 + 55 + 5) \\
&:= (6^{6-6/6}) + ((6/6 - 6) \times (66/6 + 6)) \\
&:= 7777 - (((7 + 7)/7 + 77) + 7) \\
&:= 88/8 + (8 \times (8 \times (8 \times (8 + 8) - 8))) \\
&:= ((9 \times 9 - 99/9) \times (99/9 + 99)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7692 &:= (1 + 1 + 1) \times (1 + (11 \times (11 + (1 + 1) \times 111))) \\
&:= 2 \times ((2^{2+2+2} - 2)^2 + 2) \\
&:= (3^3 \times 3 \times (3 \times 33 - 3) - 3) - 3 \\
&:= ((4 + 4) + 4) \times (((4/4 + 4)^4 + 4 \times 4) \\
&:= ((55 + 5)/5) \times (((55 + 5^5)/5) + 5) \\
&:= (6^{6-6/6}) - ((66 + 6 + 6) + 6) \\
&:= 7777 - (7/7 + 77 + 7) \\
&:= 88 \times 88 + ((88 + 8)/8 - 8 \times 8) \\
&:= 9 + (((9999 + 99)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7693 &:= (1 + ((1 + 1) \times (1 + 1 + 1))) \times (1111 - (1 + 11)) \\
&:= 2/2 + (2 \times ((2^{2+2+2} - 2)^2 + 2)) \\
&:= 3/3 + 3^3 \times (3 \times (3 \times 33 - 3) - 3) - 3 \\
&:= 4 + (44/4 \times ((444 - 4/4) + 4^4)) \\
&:= ((5 + 5)/5 + 5) \times (55 \times (5 \times 5 - 5) - 5/5) \\
&:= (6/6 + 6) \times ((6666/6) - (6 + 6)) \\
&:= 7777 - 77 - 7 \\
&:= 88 + ((8 \times (888 + 8 \times 8)) - (88/8)) \\
&:= (9 - (9 + 9)/9) \times (((99 \times 99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7694 &:= 1 + ((1 + ((1 + 1) \times (1 + 1 + 1))) \times (1111 - (1 + 11))) \\
&:= 2 + (2 \times ((2^{2+2+2} - 2)^2 + 2)) \\
&:= 3^3 \times (3 \times (3 \times 33 - 3) - 3) - 3/3 \\
&:= (4 \times 44 \times 44) - (((4 + 4)/4 + 44) + 4) \\
&:= 5 + ((5/5 + 5)^5 - (((5 + 5)/5)^5 + 55)) \\
&:= (6 - 66)/6 + (6 \times (6 \times 6 \times 6 - (6 + 6))) \\
&:= 7/7 + (7777 - (77 + 7)) \\
&:= 8 + ((88 \times 88 - (((8 + 8)/8) + 8 \times 8)) + 8) \\
&:= 9 \times 9 \times 99 - ((9 + 9) \times (9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7695 &:= (1 + 1 + 1 + 1 + 11) \times (1 + (1 + 1)^{11-1-1}) \\
&:= 2 + ((2 \times ((2^{2+2+2} - 2)^2 + 2)) + 2/2) \\
&:= 3^3 \times (3 \times (3 \times 33 - 3) - 3) \\
&:= (44/4 + 4) \times ((4/4 + 4^4) + 4^4) \\
&:= (5 \times (55 \times (5 \times 5 + 5))) - 555 \\
&:= 6 \times 6 + ((6^{6-6/6}) - (666/6 + 6)) \\
&:= (7 + 7)/7 + (7777 - (77 + 7)) \\
&:= (8 - 8/8 + 8) \times (8 \times 8 \times 8 + 8/8) \\
&:= 9 \times (9 \times 99 - ((9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7696 &:= 1 + ((1 + 1 + 1 + 1 + 11) \times (1 + (1 + 1)^{11-1-1})) \\
&:= 2 \times (((2^{2+2+2} - 2)^2 + 2) + 2) \\
&:= 3/3 + (3^3 \times 3 \times (3 \times 33 - 3) - 3) \\
&:= 4 \times (((4 + 4) \times (4^4 - 4 \times 4)) + 4) \\
&:= (5/5 + 5)^5 - (5 \times 5 + 55) \\
&:= (6 \times 6 + 6/6) \times (6 \times 6 \times 6 - ((6 + 6)/6 + 6)) \\
&:= 7 + (7777 - (77/7 + 77)) \\
&:= 8 + ((8 \times (8 \times (8 \times (8 + 8) - 8))) + 8) \\
&:= 9/9 + (9 \times (9 \times 99 - ((9 + 9 + 9) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7697 &:= ((1 + 1)^{1+1+11}) - (11 + ((11 + 11)^{1+1})) \\
&:= 2/2 + (2 \times (((2^{2+2+2} - 2)^2 + 2) + 2)) \\
&:= 3 + 3^3 \times (3 \times (3 \times 33 - 3) - 3) - 3/3 \\
&:= 4/4 + (4 \times (((4 + 4) \times (4^4 - 4 \times 4)) + 4)) \\
&:= 5/5 + ((5/5 + 5)^5 - (5 \times 5 + 55)) \\
&:= (6^{6-6/6}) - (66 + 6/6 + 6 + 6) \\
&:= 7777 - ((7 + 7 + 7)/7 + 77) \\
&:= 8 + (((8 \times (8 \times (8 \times (8 + 8) - 8))) + 8/8) + 8) \\
&:= 9 + ((9 - 9/9) \times (9 \times (99 + 9) - (99/9)))
\end{aligned}$$

- ▶ 7698 := $11 + (((1 + (1 + (1 + 11^{1+1})))^{1+1}) / (1 + 1)) - 1$
:= $(2 \times 2 \times 22)^2 - (2 \times 22 + 2)$
:= $3 + (3^3 \times 3 \times (3 \times 33 - 3) - 3)$
:= $(4 \times 44 \times 44) - ((4 + 4) / 4 + 44)$
:= $(5 + 5) / 5 + ((5 / 5 + 5)^5 - (5 \times 5 + 55))$
:= $(6^{6-6/6}) - (66 + 6 + 6)$
:= $7777 - ((7 + 7) / 7 + 77)$
:= $8 + (((8 \times (8 \times (8 \times (8 + 8) - 8))) + ((8 + 8) / 8)) + 8)$
:= $9 + (((((9 + 9) / 9)^9) \times (9 - ((9 + 9 + 9) / 9) + 9)) + 9)$
- ▶ 7703 := $1 + (((1 + 1 + 1)^{11}) - 1) / (1 + (11 + 11))$
:= $2 + ((2 \times ((2 \times (2 \times 22)^2) - 22)) + 2 / 2)$
:= $((33 / 3 + 3 \times 3^3) - 3 \times 3 \times 33)$
:= $4 + (4 \times 44 \times 44) - (44 + 4 / 4)$
:= $(5 + 5) / 5 + ((5 / 5 + 5)^5 - (5 \times (5 + 5 + 5)))$
:= $(6^{6-6/6}) - (66 + 6 / 6 + 6)$
:= $7777 + (((7 + 7 + 7) / 7) - 77)$
:= $8 + ((8 - 8 / 8 + 8) \times (8 \times 8 \times 8 + 8 / 8))$
:= $((9 - 9 / 9) \times (9 \times (99 + 9) - 9)) - 9 / 9$
- ▶ 7708 := $(1 + 1) \times ((1 + 1) \times ((1 + 1)^{11} - 11^{1+1}))$
:= $(2^{22/2+2}) - 22^2$
:= $3 / 3 + (((3 + 3) \times 3^{3+3}) + 3333)$
:= $(4 \times (44 \times 44 - (4 + 4))) - 4$
:= $(5 / 5 + 5)^5 - ((5^5 / 5 + 5) / (5 + 5) + 5)$
:= $(6^{6-6/6}) - (((6 + 6) / 6) + 66)$
:= $7 + ((7777 - 77) + 7 / 7)$
:= $8 + (88 \times 88 - (88 / ((8 + 8) / 8)))$
:= $(9 / 9 + 9 \times 9) \times (((9 - 99) / (9 + 9)) + 99)$
- ▶ 7699 := $3 + 3^3 \times (3 \times (3 \times 33 - 3) - 3) + 3 / 3$
:= $22 / 2 + (2 \times (2^{2+2+2} - 2)^2)$
:= $3 + ((3^3 \times 3 \times (3 \times 33 - 3) - 3) + 3 / 3)$
:= $(4 \times 44 \times 44) - (44 + 4 / 4)$
:= $((5 + 5 + 5) \times 555) - (5^5 + 5) / 5$
:= $(6^{6-6/6}) - (66 / 6 + 66)$
:= $7777 - 7 / 7 - 77$
:= $8 + ((8 \times (8 \times (8 \times (8 + 8) - 8))) + (88 / 8))$
:= $9 + (((9999 / 9 + 9 \times 9 \times 9 \times 9) + 9) + 9)$
- ▶ 7704 := $1 + (1 + (((1 + 1 + 1)^{11}) - 1) / (1 + (11 + 11)))$
:= $2 \times (((2 \times (2 \times 22)^2) - 22) + 2)$
:= $3 \times ((33 \times (3 \times 3^3 - 3)) - (3 + 3))$
:= $4 + (44 \times (4 \times 44 - 4 / 4))$
:= $5 + (((5 + 5 + 5) \times 555) - (5^5 + 5) / 5)$
:= $6 \times (6 \times 6 \times 6 \times 6 - (6 + 6))$
:= $77 / 7 + (7777 - (77 + 7))$
:= $88 + (8 \times (888 + 8 \times 8))$
:= $(9 - 9 / 9) \times (9 \times (99 + 9) - 9)$
- ▶ 7709 := $1 + ((1 + 1) \times ((1 + 1) \times ((1 + 1)^{11} - 11^{1+1})))$
:= $2 / 2 + ((2^{22/2+2}) - 22^2)$
:= $((3 + 3)^{3-3/3+3} - (((3 / 3 + 3)^3) + 3)$
:= $4 / 4 + ((4 \times (44 \times 44 - (4 + 4))) - 4)$
:= $(5 / 5 + 5)^5 - (((55 + 5) / 5) + 55)$
:= $(6^{6-6/6}) - (66 + 6 / 6)$
:= $7 + ((7777 - 77) + ((7 + 7) / 7))$
:= $88 \times 88 - (88 / 8 + 8 + 8 + 8)$
:= $9 + ((9 \times 9 - 99 / 9) \times (99 / 9 + 99))$
- ▶ 7700 := $(111 - 1) \times ((11 - 1 - 1)^{1+1} - 11)$
:= $2 \times ((2 \times (2 \times 22)^2) - 22)$
:= $33 + (((33 / 3 + 3 \times 3^3) - 333)$
:= $44 \times (4 \times 44 - 4 / 4)$
:= $5 \times (5 \times ((5^5 + 5) / (5 + 5) - 5))$
:= $(6 / 6 + 6) \times ((6666 - 66) / 6)$
:= $7777 - 77$
:= $88 \times 88 - (88 / ((8 + 8) / 8))$
:= $(9 \times 9 - 99 / 9) \times (99 / 9 + 99)$
- ▶ 7705 := $(1 + (11 + 11)) \times (1 + (1 + (1 + 1 + 1) \times 111))$
:= $2 / 2 + ((2 \times 2 \times 22)^2 + (2 \times (2 - 22)))$
:= $3 / 3 + (3 \times ((33 \times (3 \times 3^3 - 3)) - (3 + 3)))$
:= $4 + ((44 \times (4 \times 44 - 4 / 4)) + 4 / 4)$
:= $5 + (5 \times (5 \times ((5^5 + 5) / (5 + 5) - 5)))$
:= $6 / 6 + (6 \times (6 \times 6 \times 6 \times 6 - (6 + 6)))$
:= $7 + (7777 - ((7 + 7) / 7 + 77))$
:= $8 / 8 + ((8 \times (888 + 8 \times 8)) + 88)$
:= $9 / 9 + ((9 - 9 / 9) \times (9 \times (99 + 9) - 9))$
- ▶ 7710 := $(1 + 1) \times (1 + ((1 + 1) \times ((1 + 1)^{11} - 11^{1+1})))$
:= $(2^{2+2} \times (22^2 - 2)) - 2$
:= $(3 \times ((33 \times (3 \times 3^3 - 3)) - 3)) - 3$
:= $(4 / 4 + 4^4) \times (4 \times (4 + 4) - (4 + 4) / 4)$
:= $(5 + 5 + 5) \times (5^5 - 555) / 5$
:= $(6^{6-6/6}) - 66$
:= $7777 + (((77 - 7) / 7) - 77)$
:= $(8 - 8 / 8 + 8) \times (8 \times 8 \times 8 + (8 + 8) / 8)$
:= $(9 / 9 + 9) \times (9 \times 99 - (999 / 9 + 9))$
- ▶ 7701 := $((((1 + 1 + 1)^{11}) - 1) / (1 + (11 + 11))) - 1$
:= $2 / 2 + (2 \times ((2 \times (2 \times 22)^2) - 22))$
:= $33 + ((33 + 3) \times ((3 + 3)^3 - 3))$
:= $4 / 4 + (44 \times (4 \times 44 - 4 / 4))$
:= $(5 / 5 + 5)^5 - (5 \times (5 + 5 + 5))$
:= $6 \times 6 + ((6^{6-6/6}) - 666 / 6)$
:= $7 / 7 + (7777 - 77)$
:= $8 / 8 + (88 \times 88 - (88 / ((8 + 8) / 8)))$
:= $9 / 9 + ((9 \times 9 - 99 / 9) \times (99 / 9 + 99))$
- ▶ 7706 := $(1 + 1) \times (((1 + 1) \times ((1 + 1)^{11} - 11^{1+1})) - 1)$
:= $(2^{22/2+2}) - (22^2 + 2)$
:= $3 + (((33 / 3 + 3 \times 3^3) - 3 \times 3 \times 33)$
:= $4 + ((44 \times (4 \times 44 - 4 / 4)) + (4 + 4) / 4)$
:= $5 + ((5 / 5 + 5)^5 - (5 \times (5 + 5 + 5)))$
:= $(6^{6-6/6}) - (((6 + 6) / 6)^6 + 6)$
:= $7 + (7777 - (7 / 7 + 77))$
:= $88 + ((8 \times (888 + 8 \times 8)) + ((8 + 8) / 8))$
:= $(9 + 9) / 9 + ((9 - 9 / 9) \times (9 \times (99 + 9) - 9))$
- ▶ 7711 := $1 + ((1 + 1) \times (1 + ((1 + 1) \times ((1 + 1)^{11} - 11^{1+1}))))$
:= $(2^{2+2} \times (22^2 - 2)) - 2 / 2$
:= $33 / 3 \times (3^{3+3} - (3^3 + 3 / 3))$
:= $(4 \times (44 \times 44 - (4 + 4))) - 4 / 4$
:= $(5 / 5 + 5)^5 - (55 + 5 + 5)$
:= $6 / 6 + ((6^{6-6/6}) - 66)$
:= $77 / 7 + (7777 - 77)$
:= $88 / 8 \times ((8 \times 88 - (88 / 8)) + 8)$
:= $99 / 9 \times (9 \times 9 \times 9 - ((9 / 9 + 9 + 9) + 9))$
- ▶ 7702 := $(((1 + 1 + 1)^{11}) - 1) / (1 + (11 + 11))$
:= $2 + (2 \times ((2 \times (2 \times 22)^2) - 22))$
:= $3 / 3 + (((33 + 3) \times ((3 + 3)^3 - 3)) + 33)$
:= $(4 + 4) / 4 + (44 \times (4 \times 44 - 4 / 4))$
:= $5 / 5 + ((5 / 5 + 5)^5 - (5 \times (5 + 5 + 5)))$
:= $(6^{6-6/6}) - (((6 + 6) / 6) + 66) + 6$
:= $(7 + 7) / 7 + (7777 - 77)$
:= $88 + ((8 \times (888 + 8 \times 8)) - ((8 + 8) / 8))$
:= $((9 - 9 / 9) \times (9 \times (99 + 9) - 9)) - (9 + 9) / 9$
- ▶ 7707 := $((1 + 1)^{1+1+11}) - (1 + ((11 + 11)^{1+1}))$
:= $(2^{22/2+2}) - (22^2 + 2 / 2)$
:= $3333 + ((3 + 3) \times 3^{3+3})$
:= $(4 \times (44 \times 44 - (4 + 4))) - 4 / 4 - 4$
:= $5 + (((5 / 5 + 5)^5 - (5 \times (5 + 5 + 5))) + 5 / 5)$
:= $(6^{6-6/6}) - (6 \times 6 / (6 + 6) + 66)$
:= $7 + (7777 - 77)$
:= $88 \times 88 - 888 / (8 + 8 + 8)$
:= $(9 - (9 + 9) / 9) \times (((9999 - 9) / 9) - 9)$
- ▶ 7712 := $(1 + 1) \times ((1 + 1) \times (1 + ((1 + 1)^{11} - 11^{1+1})))$
:= $2^{2+2} \times (22^2 - 2)$
:= $(33 - 3 / 3) \times (((3^{3+3} + 3) / 3) - 3)$
:= $4 \times (44 \times 44 - (4 + 4))$
:= $5 / 5 + ((5 / 5 + 5)^5 - (55 + 5 + 5))$
:= $(6^{6-6/6}) - ((6 + 6) / 6)^6$
:= $7777 + ((77 + 7) / 7 - 77)$
:= $88 \times 88 - ((8 + 8 + 8) + 8)$
:= $(9 - 9 / 9) \times ((9 \times (99 + 9) - 9) + 9 / 9)$

- 7713 := $11 + (((1 + 1 + 1)^{11} - 1) / (1 + (11 + 11)))$
:= $2/2 + (2^{2+2} \times (22^2 - 2))$
:= $3 \times ((33 \times (3 \times 3^3 - 3)) - 3)$
:= $4/4 + (4 \times (44 \times 44 - (4 + 4)))$
:= $(5/5 + 5)^5 - (5^5/5 + 5) / (5 + 5)$
:= $6/6 + ((6^{6-6/6}) - ((6 + 6)/6)^6)$
:= $7 + ((7777 - (7/7 + 77)) + 7)$
:= $8/8 + (88 \times 88 - ((8 + 8 + 8) + 8))$
:= $9 + ((9 - 9/9) \times (9 \times (99 + 9) - 9))$
- 7714 := $1 + (11 + (((1 + 1 + 1)^{11} - 1) / (1 + (11 + 11))))$
:= $2 + (2^{2+2} \times (22^2 - 2))$
:= $3/3 + (3 \times ((33 \times (3 \times 3^3 - 3)) - 3))$
:= $(4 + 4) / 4 + (4 \times (44 \times 44 - (4 + 4)))$
:= $(5/5 + 5)^5 + ((5 - 5^5/5) / (5 + 5))$
:= $6 + ((6^{6-6/6}) - (((6 + 6)/6) + 66))$
:= $7 + (7777 - 77 + 7)$
:= $(8 - 8/8) \times ((8888 - 8) / 8 - 8)$
:= $(9 - (9 + 9) / 9) \times (9999 / 9 - 9)$
- 7715 := $1 + (1 + (11 + (((1 + 1 + 1)^{11} - 1) / (1 + (11 + 11))))$
:= $2 + (2^{2+2} \times (22^2 - 2)) + 2/2$
:= $3 + ((33 - 3/3) \times ((3^3 + 3) / 3 - 3))$
:= $4 + ((4 \times (44 \times 44 - (4 + 4))) - 4/4)$
:= $(5/5 + 5)^5 - ((55 + 5/5) + 5)$
:= $6 + ((6^{6-6/6}) - (66 + 6/6))$
:= $7 + (((7777 - 77) + 7/7) + 7)$
:= $8 + (88 \times 88 - 888 / (8 + 8 + 8))$
:= $99/9 + ((9 - 9/9) \times (9 \times (99 + 9) - 9))$
- 7716 := $(1 + 1) \times ((1 + 1) \times (1 + (1 + ((1 + 1)^{11} - 11^{1+1}))))$
:= $2 + (2^{2+2} \times (22^2 - 2)) + 2$
:= $3 + (3 \times ((33 \times (3 \times 3^3 - 3)) - 3))$
:= $4 + (4 \times (44 \times 44 - (4 + 4)))$
:= $(5/5 + 5)^5 - 55 - 5$
:= $6 + ((6^{6-6/6}) - 66)$
:= $7777 - ((77 + 7) / 7 + 7 \times 7)$
:= $88 \times 88 + ((8 - 8 \times 8) / ((8 + 8) / 8))$
:= $9 + ((9 - (9 + 9) / 9) \times (((9999 - 9) / 9) - 9))$
- 7717 := $((1 + 1 + 1) \times ((1 + 111) \times (1 + (11 + 11)))) - 11$
:= $2 + (((2^{2+2} \times (22^2 - 2)) + 2/2) + 2)$
:= $3 + ((3 \times ((33 \times (3 \times 3^3 - 3)) - 3)) + 3/3)$
:= $(4 \times (44 \times 44 - 4)) - 44/4$
:= $5/5 + ((5/5 + 5)^5 - (55 + 5))$
:= $6 + (((6^{6-6/6}) - 66) + 6/6)$
:= $7777 - (77/7 + 7 \times 7)$
:= $88 \times 88 - (88/8 + 8 + 8)$
:= $((99 - (99/9))^{(9+9)/9}) - (9 + 9 + 9)$
- 7718 := $(1 + 11 \times (1 + 1 + 1)) \times (1 + ((1 + 1) \times (1 + 1 + 11)))$
:= $(2 \times 2 \times 22)^2 - 22 - 2 - 2$
:= $(3/3 + 33) \times ((3 + 3)^3 + 33/3)$
:= $(4 - 44) / 4 + (4 \times (44 \times 44 - 4))$
:= $(5 + 5) / 5 + ((5/5 + 5)^5 - (55 + 5))$
:= $6 + ((6^{6-6/6}) - ((6 + 6) / 6)^6)$
:= $7 + ((7777 - 77) + (77/7))$
:= $88 \times 88 + ((8 - 88) / 8 - (8 + 8))$
:= $(9 \times (9 \times (99 + 9) + 9)) - 9999/9$
- 7719 := $11 + ((1 + 1) \times ((1 + 1) \times ((1 + 1)^{11} - 11^{1+1})))$
:= $(2 \times 2 \times 22)^2 - ((22 + 2/2) + 2)$
:= $(3 \times (33 \times (3 \times 3^3 - 3))) - 3$
:= $(4 \times (44 \times 44 - 4)) - (4/4 + 4 + 4)$
:= $(5/5 + 5)^5 - ((5 + 5) / 5 + 55)$
:= $6 + (((6^{6-6/6}) - ((6 + 6) / 6)^6) + 6/6)$
:= $7777 - (((7 + 7) / 7 + 7 \times 7) + 7)$
:= $88 \times 88 - (8/8 + 8 + 8 + 8)$
:= $((9 + 9) / 9) + 9 \times 9 \times ((99 + 9) / 9 + 9 \times 9)$
- 7720 := $(1 + 1) \times ((11 \times ((11 \times ((11 \times (1 + 1 + 1)) - 1) - 1)) - 1)$
:= $(2 \times 2 \times 22)^2 - 22 - 2$
:= $3/3 + ((3 \times (33 \times (3 \times 3^3 - 3))) - 3)$
:= $(4 \times (44 \times 44 - 4)) - 4 - 4$
:= $(5/5 + 5)^5 - (55 + 5/5)$
:= $(6^{6-6/6}) + (((66 - 6) / 6) - 66)$
:= $7777 - ((7/7 + 7 \times 7) + 7)$
:= $88 \times 88 - 8 - 8 - 8$
:= $(9 - 9/9) \times ((9 \times (99 + 9) - 9) + ((9 + 9) / 9))$
- 7721 := $((11 \times (1 + 1)^{1+1+1})^{1+1}) - (1 + (11 + 11))$
:= $(2 \times 2 \times 22)^2 - 22 - 2/2$
:= $(3 \times (33 \times (3 \times 3^3 - 3))) - 3/3$
:= $4 + ((4 \times (44 \times 44 - 4)) - 44/4)$
:= $(5/5 + 5)^5 - 55$
:= $66/6 + (((6^{6-6/6}) - 66)$
:= $7777 - (7 \times 7 + 7)$
:= $8/8 + (88 \times 88 - (8 + 8 + 8))$
:= $((9 + 9) / 9)^9 + 9 \times (9 \times (9 \times 9 + 9) - 9)$
- 7722 := $(1 + 1) \times (11 \times ((11 \times ((11 \times (1 + 1 + 1)) - 1) - 1))$
:= $(2 \times 2 \times 22)^2 - 22$
:= $3 \times (33 \times (3 \times 3^3 - 3))$
:= $44/4 \times 4 \times 4 \times 44 - (4 + 4) / 4$
:= $5/5 + ((5/5 + 5)^5 - 55)$
:= $66 \times (666/6 + 6)$
:= $7/7 + (7777 - (7 \times 7 + 7))$
:= $88/8 \times (8 \times 88 - ((8 + 8) / 8))$
:= $99 \times (9 \times 9 - ((9 + 9 + 9) / 9))$
- 7723 := $1 + ((1 + 1) \times (11 \times ((11 \times ((11 \times (1 + 1 + 1)) - 1) - 1)))$
:= $2/2 + ((2 \times 2 \times 22)^2 - 22)$
:= $3/3 + (3 \times (33 \times (3 \times 3^3 - 3)))$
:= $(4 \times (44 \times 44 - 4)) - 4/4 - 4$
:= $(5 + 5) / 5 + ((5/5 + 5)^5 - 55)$
:= $6/6 + (66 \times (666/6 + 6))$
:= $(7 + 7) / 7 + (7777 - (7 \times 7 + 7))$
:= $88 \times 88 + ((8 - (88 + 88)) / 8)$
:= $9/9 + (99 \times (9 \times 9 - ((9 + 9 + 9) / 9)))$
- 7724 := $(1 + 1) \times (1 + (11 \times ((11 \times ((11 \times (1 + 1 + 1)) - 1) - 1)))$
:= $2 + ((2 \times 2 \times 22)^2 - 22)$
:= $3 + ((3 \times (33 \times (3 \times 3^3 - 3))) - 3/3)$
:= $(4 \times (44 \times 44 - 4)) - 4$
:= $5 + ((5/5 + 5)^5 - ((5 + 5) / 5 + 55))$
:= $6 + (((6^{6-6/6}) - ((6 + 6) / 6)^6) + 6)$
:= $7 + (7777 - (77/7 + 7 \times 7))$
:= $88 \times 88 - ((88 + 8) / 8 + 8)$
:= $(9 + 9) / 9 + (99 \times (9 \times 9 - ((9 + 9 + 9) / 9)))$
- 7725 := $(1 + 1 + 1) \times (((1 + 111) \times (1 + (11 + 11))) - 1)$
:= $2 + (((2 \times 2 \times 22)^2 - 22) + 2/2)$
:= $3 + (3 \times (33 \times (3 \times 3^3 - 3)))$
:= $4/4 + ((4 \times (44 \times 44 - 4)) - 4)$
:= $5 + ((5/5 + 5)^5 - (55 + 5/5))$
:= $66 + ((6^{6-6/6}) - (666/6 + 6))$
:= $7777 - (((7 + 7 + 7) / 7) + 7 \times 7)$
:= $88 \times 88 - (88/8 + 8)$
:= $99 + ((9/9 + 9 \times 9) \times ((99 + 9) / 9 + 9 \times 9))$
- 7726 := $(1 + 1) \times (((1 + 1) \times ((1 + 1)^{11} - 11)) - 11)$
:= $2 + (((2 \times 2 \times 22)^2 - 22) + 2)$
:= $3 + ((3 \times (33 \times (3 \times 3^3 - 3))) + 3/3)$
:= $(4 \times (44 \times 44 - 4)) - (4 + 4) / 4$
:= $5 + ((5/5 + 5)^5 - 55)$
:= $6 + (((66 - 6) / 6) - 66) + (6^{6-6/6})$
:= $7777 - ((7 + 7) / 7 + 7 \times 7)$
:= $88 \times 88 + ((8 - 88) / 8 - 8)$
:= $((99 - (99/9))^{(9+9)/9}) - (9 + 9)$
- 7727 := $((1 + 1 + 1) \times ((1 + 111) \times (1 + (11 + 11)))) - 1$
:= $(2 \times 2 \times 22)^2 - (2^{2+2} + 2/2)$
:= $3 + (((3 \times (33 \times (3 \times 3^3 - 3))) - 3/3) + 3)$
:= $(4 \times (44 \times 44 - 4)) - 4/4$
:= $5 + (((5/5 + 5)^5 - 55) + 5/5)$
:= $6 + (((6^{6-6/6}) - 66) + (66/6))$
:= $7777 - (7/7 + 7 \times 7)$
:= $88 \times 88 - (8/8 + 8 + 8)$
:= $9 + ((9 \times (9 \times (99 + 9) + 9)) - 9999/9)$

- **7728** := $(1+1+1) \times ((1+111) \times (1+(11+11)))$
:= $2 \times (2 \times (2 \times (2 \times 22^2 - 2)))$
:= $3 + ((3 \times (33 \times (3 \times 3^3 - 3))) + 3)$
:= $4 \times (44 \times 44 - 4)$
:= $5 + (((5/5 + 5)^5 - 55) + ((5+5)/5))$
:= $6 + (66 \times (666/6 + 6))$
:= $7777 - 7 \times 7$
:= $88 \times 88 - 8 - 8$
:= $((99/9) + 9 \times 9) \times (((9+9+9)/9) + 9 \times 9)$
- **7729** := $1 + ((1+1+1) \times ((1+111) \times (1+(11+11))))$
:= $2/2 + (2 \times (2 \times (2 \times (2 \times 22^2 - 2))))$
:= $3 + (((3 \times (33 \times (3 \times 3^3 - 3))) + 3/3) + 3)$
:= $4/4 + (4 \times (44 \times 44 - 4))$
:= $5 + (((5/5 + 5)^5 - ((5+5)/5 + 55)) + 5)$
:= $(6^{6-6/6}) - (66/6 + 6 \times 6)$
:= $7/7 + (7777 - 7 \times 7)$
:= $8/8 + (88 \times 88 - (8+8))$
:= $9 + ((9-9/9) \times ((9 \times (99+9) - 9) + ((9+9)/9)))$
- **7730** := $1 + (1 + ((1+1+1) \times ((1+111) \times (1+(11+11)))))$
:= $2 + (2 \times (2 \times (2 \times (2 \times 22^2 - 2))))$
:= $(3 \times ((33 \times (3 \times 3^3 - 3)) + 3)) - 3/3$
:= $(4+4)/4 + (4 \times (44 \times 44 - 4))$
:= $5 + (((5/5 + 5)^5 - (55 + 5/5)) + 5)$
:= $(6 - 66)/6 + (6 \times (6 \times 6 \times 6 - 6))$
:= $(7+7)/7 + (7777 - 7 \times 7)$
:= $(8+8)/8 + (88 \times 88 - (8+8))$
:= $9 + (9 \times (9 \times (9 \times 9 + 9) - 9) + ((9+9)/9)^9)$
- **7731** := $(1+1+1) \times (1 + ((1+111) \times (1+(11+11))))$
:= $(2 \times 2 \times 22)^2 - (22/2 + 2)$
:= $3 \times ((33 \times (3 \times 3^3 - 3)) + 3)$
:= $4 + ((4 \times (44 \times 44 - 4)) - 4/4)$
:= $5 + (((5/5 + 5)^5 - 55) + 5)$
:= $66 + ((6^{6-6/6}) - 666/6)$
:= $7777 + (((7+7+7)/7) - 7 \times 7)$
:= $88 \times 88 - (88 + 8 + 8)/8$
:= $9 + (99 \times (9 \times 9 - ((9+9+9)/9)))$
- **7732** := $((11 \times (1+1)^{1+1+1})^{1+1}) - 1 - 11$
:= $2 \times ((2 \times ((2 \times 22)^2 - 2)) - 2)$
:= $3/3 + (3 \times ((33 \times (3 \times 3^3 - 3)) + 3))$
:= $4 + (4 \times (44 \times 44 - 4))$
:= $55/5 + ((5/5 + 5)^5 - 55)$
:= $(6^{6-6/6}) - (((6+6)/6 + 6 \times 6) + 6)$
:= $77/7 + (7777 - (7 \times 7 + 7))$
:= $88 \times 88 - (88 + 8)/8$
:= $9 + ((99 \times (9 \times 9 - ((9+9+9)/9))) + 9/9)$
- **7733** := $((11 \times (1+1)^{1+1+1})^{1+1}) - 11$
:= $(2 \times 2 \times 22)^2 - 22/2$
:= $33/3 + (3 \times (33 \times (3 \times 3^3 - 3)))$
:= $(4 \times 44 \times 44) - 44/4$
:= $(5/5 + 5)^5 + (((55+5)/5) - 55)$
:= $(6^{6-6/6}) - (6 \times 6 + 6/6 + 6)$
:= $7 + (7777 - ((7+7)/7 + 7 \times 7))$
:= $88 \times 88 - 88/8$
:= $((99 - 9/9) \times (9 \times 9 - ((9+9)/9))) - 9$
- **7734** := $1 + (((11 \times (1+1)^{1+1+1})^{1+1}) - 11)$
:= $(2 \times (2 \times ((2 \times 22)^2 - 2))) - 2$
:= $3 + (3 \times ((33 \times (3 \times 3^3 - 3)) + 3))$
:= $(4 - 44)/4 + (4 \times 44 \times 44)$
:= $(5/5 + 5)^5 - (((5+5)/5)^5 + 5) + 5$
:= $(6^{6-6/6}) - (6 \times 6 + 6)$
:= $7 + (7777 - (7/7 + 7 \times 7))$
:= $88 \times 88 + (8 - 88)/8$
:= $((99 - (99/9))^{(9+9)/9}) - 9/9 - 9$
- **7735** := $1 + (1 + (((11 \times (1+1)^{1+1+1})^{1+1}) - 11))$
:= $2 + ((2 \times 2 \times 22)^2 - 22/2)$
:= $3 + ((3 \times ((33 \times (3 \times 3^3 - 3)) + 3)) + 3/3)$
:= $(4 \times 44 \times 44) - (4/4 + 4 + 4)$
:= $((5+5)/5 + 5) \times (55 \times (5 \times 5 - 5) + 5)$
:= $6/6 + ((6^{6-6/6}) - (6 \times 6 + 6))$
:= $7 + (7777 - 7 \times 7)$
:= $88 \times 88 - (8/8 + 8)$
:= $((99 - (99/9))^{(9+9)/9}) - 9$
- **7736** := $1 + (1 + (1 + (((11 \times (1+1)^{1+1+1})^{1+1}) - 11)))$
:= $2 \times (2 \times ((2 \times 22)^2 - 2))$
:= $3 + ((3 \times (33 \times (3 \times 3^3 - 3))) + 33/3)$
:= $(4 \times 44 \times 44) - 4 - 4$
:= $5 + (((5/5 + 5)^5 - 55) + 5) + 5$
:= $(6+6)/6 + ((6^{6-6/6}) - (6 \times 6 + 6))$
:= $7 + ((7777 - 7 \times 7) + 7/7)$
:= $88 \times 88 - 8$
:= $9/9 + (((99 - (99/9))^{(9+9)/9}) - 9)$
- **7737** := $((1+1) \times ((1+1) \times ((1+1)^{11} - 111))) - 11$
:= $2/2 + (2 \times (2 \times ((2 \times 22)^2 - 2)))$
:= $((3 \times 3 + 3) \times (3 \times (3+3)^3 - 3)) - 3$
:= $4 + ((4 \times 44 \times 44) - 44/4)$
:= $5 + (((5/5 + 5)^5 - 55) + (55/5))$
:= $(6^{6-6/6}) - ((66 \times 6)/(6+6)) + 6$
:= $((77/7 + 77)^{(7+7)/7}) - 7$
:= $8/8 + (88 \times 88 - 8)$
:= $(9 \times (9 \times 99 - (9+9))) - (999/9 + 9)$
- **7738** := $1 + (((1+1) \times ((1+1) \times ((1+1)^{11} - 111))) - 11)$
:= $2 + (2 \times (2 \times ((2 \times 22)^2 - 2)))$
:= $3/3 + (((3 \times 3 + 3) \times (3 \times (3+3)^3 - 3)) - 3)$
:= $(4 \times 44 \times 44) - ((4+4)/4 + 4)$
:= $5 + (((55+5)/5) - 55) + (5/5 + 5)^5$
:= $(6^{6-6/6}) - ((6+6)/6 + 6 \times 6)$
:= $7777 + (((77-7)/7) - 7 \times 7)$
:= $(8+8)/8 + (88 \times 88 - 8)$
:= $9 \times 9 \times (99+9) - (99/9 + 999)$
- **7739** := $(111 - 1 - 1) \times (((1+11)^{1+1}/(1+1)) - 1)$
:= $(2 \times 2 \times 22)^2 - 2/2 - 2 - 2$
:= $((3 \times 3 + 3) \times (3 \times (3+3)^3 - 3)) - 3/3$
:= $(4 \times 44 \times 44) - 4/4 - 4$
:= $(5/5 + 5)^5 - (((5+5)/5)^5 + 5)$
:= $(6^{6-6/6}) - (6 \times 6 + 6/6)$
:= $77/7 + (7777 - 7 \times 7)$
:= $88/8 + (88 \times 88 - (8+8))$
:= $(9 \times 9 - (9/9 + 9)) \times (9/9 + 99 + 9)$
- **7740** := $(1+1) \times ((1+1) \times ((1+1)^{11} - (1+1+111)))$
:= $2 \times ((2 \times (2 \times 22)^2) - 2)$
:= $(3 \times 3 + 3) \times (3 \times (3+3)^3 - 3)$
:= $(4 \times 44 \times 44) - 4$
:= $(55+5) \times ((5 \times 5 \times 5 - 5/5) + 5)$
:= $6 \times (6 \times 6 \times 6 - 6)$
:= $7777 + ((77+7)/7 - 7 \times 7)$
:= $88 \times 88 - 8 \times 8/(8+8)$
:= $9 \times 9 \times (99+9) - (999+9)$
- **7741** := $((11 \times (1+1)^{1+1+1})^{1+1}) - 1 - 1 - 1$
:= $(2 \times 2 \times 22)^2 - 2/2 - 2$
:= $3/3 + ((3 \times 3 + 3) \times (3 \times (3+3)^3 - 3))$
:= $4/4 + ((4 \times 44 \times 44) - 4)$
:= $(5/5 + 5)^5 - ((5 \times 5 + 5) + 5)$
:= $6/6 + (6 \times (6 \times 6 \times 6 - 6))$
:= $((7+7) \times ((7 \times 77 + 7) + 7)) - 7/7$
:= $8 + (88 \times 88 - (88/8))$
:= $((99 - 9/9) \times (9 \times 9 - 9/9)) - 99$
- **7742** := $((11 \times (1+1)^{1+1+1})^{1+1}) - 1 - 1$
:= $(2 \times 2 \times 22)^2 - 2$
:= $((3+3)^{3-3/3+3}) - 3/3 - 33$
:= $(4 \times 44 \times 44) - (4+4)/4$
:= $5/5 + ((5/5 + 5)^5 - ((5 \times 5 + 5) + 5))$
:= $(6+6)/6 + (6 \times (6 \times 6 \times 6 - 6))$
:= $(7+7) \times ((7 \times 77 + 7) + 7)$
:= $88 \times 88 - (8+8)/8$
:= $(99 - 9/9) \times (9 \times 9 - ((9+9)/9))$

$$\begin{aligned}
\blacktriangleright 7743 &:= ((11 \times (1+1)^{1+1+1})^{1+1}) - 1 \\
&:= (2 \times 2 \times 22)^2 - 2/2 \\
&:= ((3+3)^{3-3/3+3}) - 33 \\
&:= (4 \times 44 \times 44) - 4/4 \\
&:= (5/5+5)^5 - (((5+5)/5)^5 + 5/5) \\
&:= (6^{6-6/6}) - (66 \times 6/(6+6)) \\
&:= 7/7 + ((7+7) \times ((7 \times 77+7) + 7)) \\
&:= 88 \times 88 - 8/8 \\
&:= ((99 - (99/9))^{(9+9)/9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7744 &:= (11 \times (1+1)^{1+1+1})^{1+1} \\
&:= (2 \times 2 \times 22)^2 \\
&:= (33 - 3/3) \times ((3^{3+3} - 3)/3) \\
&:= 4 \times 44 \times 44 \\
&:= (5/5+5)^5 - ((5+5)/5)^5 \\
&:= 6 + ((6^{6-6/6}) - ((6+6)/6 + 6 \times 6)) \\
&:= (77/7 + 77)^{(7+7)/7} \\
&:= 88 \times 88 \\
&:= (99 - (99/9))^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7745 &:= 1 + ((11 \times (1+1)^{1+1+1})^{1+1}) \\
&:= 2/2 + (2 \times 2 \times 22)^2 \\
&:= 3 + (((3+3)^{3-3/3+3}) - (3/3 + 33)) \\
&:= 4/4 + (4 \times 44 \times 44) \\
&:= (5/5+5)^5 - ((5 \times 5 + 5/5) + 5) \\
&:= 6 + ((6^{6-6/6}) - (6 \times 6 + 6/6)) \\
&:= 7/7 + ((77/7 + 77)^{(7+7)/7}) \\
&:= 8/8 + 88 \times 88 \\
&:= 9/9 + ((99 - (99/9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7746 &:= 1 + (1 + ((11 \times (1+1)^{1+1+1})^{1+1})) \\
&:= 2 + (2 \times 2 \times 22)^2 \\
&:= 3 + (((3+3)^{3-3/3+3}) - 33) \\
&:= (4+4)/4 + (4 \times 44 \times 44) \\
&:= (5/5+5)^5 - (5 \times 5 + 5) \\
&:= 6 + (6 \times (6 \times 6 \times 6 \times 6 - 6)) \\
&:= 7 + ((7777 - 7 \times 7) + (77/7)) \\
&:= (8+8)/8 + 88 \times 88 \\
&:= (9 \times (9 \times 99 - (9+9))) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7747 &:= 1 + (1 + (1 + ((11 \times (1+1)^{1+1+1})^{1+1}))) \\
&:= 2 + ((2 \times 2 \times 22)^2 + 2/2) \\
&:= 3 + ((33 - 3/3) \times ((3^{3+3} - 3)/3)) \\
&:= 4 + ((4 \times 44 \times 44) - 4/4) \\
&:= 5/5 + ((5/5+5)^5 - (5 \times 5 + 5)) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 \times 6 - 6)) + 6/6) \\
&:= 7 + (((77+7)/7 - 7 \times 7) + 7777) \\
&:= 88/8 + (88 \times 88 - 8) \\
&:= ((9 - 999)/9) + (9 \times (9 \times 99 - (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7748 &:= (1+1) \times ((1+1) \times ((1+1)^{11} - 111)) \\
&:= 2 + ((2 \times 2 \times 22)^2 + 2) \\
&:= (3^3 - 3/3) \times (3 \times 3 \times 33 + 3/3) \\
&:= 4 + (4 \times 44 \times 44) \\
&:= (5+5)/5 + ((5/5+5)^5 - (5 \times 5 + 5)) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 \times 6 - 6)) + ((6+6)/6)) \\
&:= 7 + (((7+7) \times ((7 \times 77+7) + 7)) - 7/7) \\
&:= 88 \times 88 + 8 \times 8/(8+8) \\
&:= 9 \times 9 \times (99+9) - (999+9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7749 &:= 1 + ((1+1) \times ((1+1) \times ((1+1)^{11} - 111))) \\
&:= 2 + (((2 \times 2 \times 22)^2 + 2/2) + 2) \\
&:= ((3+3)^{3-3/3+3}) - 3^3 \\
&:= 4 + ((4 \times 44 \times 44) + 4/4) \\
&:= 5 + ((5/5+5)^5 - ((5+5)/5)^5) \\
&:= 6 + ((6^{6-6/6}) - (66 \times 6/(6+6))) \\
&:= 7 + ((7+7) \times ((7 \times 77+7) + 7)) \\
&:= 8 + ((88 \times 88 - (88/8)) + 8) \\
&:= 9 \times 9 \times (99+9) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7750 &:= (1+1) \times (1 + ((1+1) \times ((1+1)^{11} - 111))) \\
&:= 2 + (((2 \times 2 \times 22)^2 + 2) + 2) \\
&:= 3/3 + (((3+3)^{3-3/3+3}) - 3^3) \\
&:= 4 + ((4 \times 44 \times 44) + (4+4)/4) \\
&:= 5 \times (5 \times ((5 \times (55+5) + 5) + 5)) \\
&:= (6^{6-6/6}) + (((66-6)/6) - 6 \times 6) \\
&:= 7 + (((7+7) \times ((7 \times 77+7) + 7)) + 7/7) \\
&:= 8 + (88 \times 88 - ((8+8)/8)) \\
&:= 9/9 + (9 \times 9 \times (99+9) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7751 &:= 1 + ((1+1) \times (1 + ((1+1) \times ((1+1)^{11} - 111)))) \\
&:= (2 \times (2 \times ((2 \times 22)^2 + 2))) - 2/2 \\
&:= 3 + ((3^3 - 3/3) \times (3 \times 3 \times 33 + 3/3)) \\
&:= 4 + (((4 \times 44 \times 44) - 4/4) + 4) \\
&:= (5/5+5)^5 - 5 \times 5 \\
&:= 66/6 + (6 \times (6 \times 6 \times 6 \times 6 - 6)) \\
&:= 7 + ((77/7 + 77)^{(7+7)/7}) \\
&:= 8 + (88 \times 88 - 8/8) \\
&:= 9 + ((99 - 9/9) \times (9 \times 9 - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7752 &:= (1+1) \times ((1+1) \times (1 + ((1+1)^{11} - 111))) \\
&:= 2 \times (2 \times ((2 \times 22)^2 + 2)) \\
&:= 3 + (((3+3)^{3-3/3+3}) - 3^3) \\
&:= 4 + ((4 \times 44 \times 44) + 4) \\
&:= 5/5 + ((5/5+5)^5 - 5 \times 5) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 \times 6 - 6)) + 6) \\
&:= 7777 - (77/7 + 7 + 7) \\
&:= 8 + 88 \times 88 \\
&:= 9 + (((99 - (99/9))^{(9+9)/9}) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7753 &:= ((11 \times (11 - 1 - 1))^{1+1}) - (1+1)^{11} \\
&:= 2/2 + (2 \times (2 \times ((2 \times 22)^2 + 2))) \\
&:= 3 + (((3+3)^{3-3/3+3}) - 3^3) + 3/3 \\
&:= 4 + (((4 \times 44 \times 44) + 4/4) + 4) \\
&:= (5+5)/5 + ((5/5+5)^5 - 5 \times 5) \\
&:= (6^{6-6/6}) - ((66/6+6) + 6) \\
&:= 77/7 + ((7+7) \times ((7 \times 77+7) + 7)) \\
&:= 8 + (88 \times 88 + 8/8) \\
&:= 9 + ((99 - (99/9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7754 &:= 11 + (((11 \times (1+1)^{1+1+1})^{1+1}) - 1) \\
&:= 2 + (2 \times (2 \times ((2 \times 22)^2 + 2))) \\
&:= 33 + ((3 \times (33 \times (3 \times 3^3 - 3))) - 3/3) \\
&:= (44 - 4)/4 + (4 \times 44 \times 44) \\
&:= (5/5+5)^5 - (55+55)/5 \\
&:= (6^{6-6/6}) - ((66+66)/6) \\
&:= 7777 - (((7+7)/7 + 7) + 7) + 7 \\
&:= 8 + (88 \times 88 + ((8+8)/8)) \\
&:= 9 + (((99 - (99/9))^{(9+9)/9}) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7755 &:= 11 + ((11 \times (1+1)^{1+1+1})^{1+1}) \\
&:= 22/2 + (2 \times 2 \times 22)^2 \\
&:= 33 + (3 \times (33 \times (3 \times 3^3 - 3))) \\
&:= 44/4 + (4 \times 44 \times 44) \\
&:= 5 + (5 \times (5 \times ((5 \times (55+5) + 5) + 5))) \\
&:= (6^{6-6/6}) + ((6 - (66+66))/6) \\
&:= 7777 - (7/7 + 7 + 7 + 7) \\
&:= 88/8 + 88 \times 88 \\
&:= 9 + ((9 \times (9 \times 99 - (9+9))) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7756 &:= 1 + (11 + ((11 \times (1+1)^{1+1+1})^{1+1})) \\
&:= 2 \times ((2 \times ((2 \times 22)^2 + 2)) + 2) \\
&:= (3/3 + 3 + 3) \times (3333/3 - 3) \\
&:= (4 \times (44 \times 44 + 4)) - 4 \\
&:= 5 + ((5/5+5)^5 - 5 \times 5) \\
&:= (6^{6-6/6}) - (((6+6)/6 + 6 + 6) + 6) \\
&:= 7777 - (7 + 7 + 7) \\
&:= 88 \times 88 + (88+8)/8 \\
&:= ((99+9) \times (9 \times 9 - 9)) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7757 &:= 1 + (1 + (11 + ((11 \times (1+1)^{1+1+1})^{1+1}))) \\
&:= 2 + ((2 \times 2 \times 22)^2 + 22/2) \\
&:= ((33/3 + 3 \times 3)^3) - 3 \times 3 \times 3^3 \\
&:= 4/4 + ((4 \times (44 \times 44 + 4)) - 4) \\
&:= 5 + (((5/5+5)^5 - 5 \times 5) + 5/5) \\
&:= (6^{6-6/6}) - ((6/6+6+6) + 6) \\
&:= 7/7 + (7777 - 7 - 7 - 7) \\
&:= 88 \times 88 + (88+8+8)/8 \\
&:= ((99+9) \times (9 \times 9 - 9)) - (9/9 + 9 + 9)
\end{aligned}$$

- **7758** := $1 + (1 + (1 + (11 + ((11 \times (1 + 1)^{1+1+1})^{1+1})))$
:= $2 + (2 \times ((2 \times (2 \times 2)^2 + 2) + 2))$
:= $(3 + 3) \times (((3 + 3)^{3/3+3}) - 3)$
:= $(4 \times (44 \times 44 + 4)) - (4 + 4)/4$
:= $5 + (((5/5 + 5)^5 - 5 \times 5) + ((5 + 5)/5))$
:= $(6^{6-6/6}) - 6 - 6 - 6$
:= $7777 - ((77 + 7)/7 + 7)$
:= $8 + ((88 \times 88 - ((8 + 8)/8)) + 8)$
:= $(9 + 9) \times (((9 + 9)/9)^9) - 9 \times 9$
- **7759** := $11 + ((1 + 1) \times ((1 + 1) \times ((1 + 1)^{11} - 11)))$
:= $2 + (((2 \times 2 \times 2)^2 + 22/2) + 2)$
:= $3/3 + ((3 + 3) \times (((3 + 3)^{3/3+3}) - 3))$
:= $(4 \times (44 \times 44 + 4)) - 4/4$
:= $(5/5 + 5)^5 - (((55 + 5)/5) + 5)$
:= $(6^{6-6/6}) - (66/6 + 6)$
:= $7777 - (77/7 + 7)$
:= $8 + ((88 \times 88 - 8/8) + 8)$
:= $9/9 + ((9 + 9) \times (((9 + 9)/9)^9) - 9 \times 9)$
- **7760** := $(11 - 1) \times ((111 \times (1 + ((1 + 1) \times (1 + 1 + 1)))) - 1)$
:= $2 \times (2 \times (((2 \times 2)^2 + 2) + 2))$
:= $(3/3 + 3) \times (((3 \times (3 + 3))^3 - 3)/3) - 3$
:= $4 \times (44 \times 44 + 4)$
:= $(5/5 + 5)^5 - (55/5 + 5)$
:= $(6 - 66)/6 + ((6^{6-6/6}) - 6)$
:= $((7 - 77)/7) + (7777 - 7)$
:= $8 + (88 \times 88 + 8)$
:= $(9/9 - 9 \times 9) \times (((9 + 9)/9) - 99)$
- **7761** := $1 + ((11 - 1) \times ((111 \times (1 + ((1 + 1) \times (1 + 1 + 1)))) - 1))$
:= $2/2 + ((2 \times 2 \times 2)^2 + 2^{2+2})$
:= $3 + ((3 + 3) \times (((3 + 3)^{3/3+3}) - 3))$
:= $4/4 + (4 \times (44 \times 44 + 4))$
:= $(5/5 + 5)^5 - (5 + 5 + 5)$
:= $(6^{6-6/6}) + (6 - 6 \times 6) / ((6 + 6)/6)$
:= $7777 - (((7 + 7)/7 + 7) + 7)$
:= $8 + ((88 \times 88 + 8/8) + 8)$
:= $(999/9 \times (9 \times 9 - 99/9)) - 9$
- **7762** := $((1111 - (1 + 1)) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) - 1$
:= $2 + ((2 \times 2 \times 2)^2 + 2^{2+2})$
:= $((3 + 3)^{3-3/3+3}) - (33/3 + 3)$
:= $(4 + 4)/4 + (4 \times (44 \times 44 + 4))$
:= $5/5 + ((5/5 + 5)^5 - (5 + 5 + 5))$
:= $(6^{6-6/6}) - ((6 + 6)/6 + 6 + 6)$
:= $7777 - (7/7 + 7 + 7)$
:= $8 + ((88 \times 88 + ((8 + 8)/8)) + 8)$
:= $9 + (((99 - 99/9))^{(9+9)/9}) + 9$
- **7763** := $(1111 - (1 + 1)) \times (1 + ((1 + 1) \times (1 + 1 + 1)))$
:= $22 + ((2 \times 2 \times 2)^2 - (2/2 + 2))$
:= $3 + ((3/3 + 3) \times (((3 \times (3 + 3))^3 - 3)/3) - 3)$
:= $4 + ((4 \times (44 \times 44 + 4)) - 4/4)$
:= $(5/5 + 5)^5 - (55 + 5 + 5)/5$
:= $(6^{6-6/6}) - (6/6 + 6 + 6)$
:= $7777 - (7 + 7)$
:= $8 + (88 \times 88 + (88/8))$
:= $9 \times 9 \times 99 - (((9 + 9)/9)^{9-9/9})$
- **7764** := $1 + ((1111 - (1 + 1)) \times (1 + ((1 + 1) \times (1 + 1 + 1))))$
:= $22 + ((2 \times 2 \times 2)^2 - 2)$
:= $(3/3 + 3) \times ((3 \times 3 \times (3 + 3)^3) - 3)$
:= $4 + (4 \times (44 \times 44 + 4))$
:= $(5/5 + 5)^5 - (55 + 5)/5$
:= $(6^{6-6/6}) - 6 - 6$
:= $7/7 + (7777 - 7 - 7)$
:= $8 + (88 \times 88 + ((88 + 8)/8))$
:= $(99 + 9)/9 \times (9 \times (9 \times 9 - 9) - 9/9)$
- **7765** := $((1 + 1) \times (1 + 1 + 1))^{1+1+1+1+1} - 11$
:= $22 + ((2 \times 2 \times 2)^2 - 2/2)$
:= $((3 + 3)^{3-3/3+3}) - 33/3$
:= $4 + ((4 \times (44 \times 44 + 4)) + 4/4)$
:= $(5/5 + 5)^5 - 55/5$
:= $(6^{6-6/6}) - 66/6$
:= $7777 - (77 + 7)/7$
:= $8 + ((88 + 8 + 8)/8 + 88 \times 88)$
:= $((99 + 9) \times (9 \times 9 - 9)) - 99/9$
- **7766** := $(1111 \times (1 + ((1 + 1) \times (1 + 1 + 1)))) - 11$
:= $22 + (2 \times 2 \times 2)^2$
:= $((3 - 33)/3) + ((3 + 3)^{3-3/3+3})$
:= $4 + ((4 \times (44 \times 44 + 4)) + (4 + 4)/4)$
:= $(5/5 + 5)^5 - 5 - 5$
:= $(6 - 66)/6 + (6^{6-6/6})$
:= $7777 - 77/7$
:= $88/8 \times (((8 + 8)/8) + 8 \times 88)$
:= $((99 + 9) \times (9 \times 9 - 9)) - 9/9 - 9$
- **7767** := $1 + ((1111 \times (1 + ((1 + 1) \times (1 + 1 + 1)))) - 11)$
:= $22 + ((2 \times 2 \times 2)^2 + 2/2)$
:= $3 \times ((3^3 \times (3 \times 33 - 3)) - 3)$
:= $4 + (((4 \times (44 \times 44 + 4)) - 4/4) + 4)$
:= $5/5 + ((5/5 + 5)^5 - (5 + 5))$
:= $(6^{6-6/6}) + (((6 - 66) + 6)/6)$
:= $((7 - 77)/7) + 7777$
:= $8 + (((88 \times 88 - 8/8) + 8) + 8)$
:= $((99 + 9) \times (9 \times 9 - 9)) - 9$
- **7768** := $(1 + 1) \times ((111 \times (1 + (1 + 11 \times (1 + 1 + 1)))) - 1)$
:= $2 + ((2 \times 2 \times 2)^2 + 22)$
:= $3 + (((3 + 3)^{3-3/3+3}) - 33/3)$
:= $4 + ((4 \times (44 \times 44 + 4)) + 4)$
:= $(5 + 5)/5 + ((5/5 + 5)^5 - (5 + 5))$
:= $(6^{6-6/6}) - ((6 + 6)/6 + 6)$
:= $7777 - ((7 + 7)/7 + 7)$
:= $8 + (88 \times 88 + 8 + 8)$
:= $9/9 + (((99 + 9) \times (9 \times 9 - 9)) - 9)$
- **7769** := $(111 \times ((11 - 1 - 1)^{1+1} - 11)) - 1$
:= $2 + (((2 \times 2 \times 2)^2 + 22) + 2/2)$
:= $((3 + 3)^{3-3/3+3}) - (3/3 + 3 + 3)$
:= $4 + (((4 \times (44 \times 44 + 4)) + 4/4) + 4)$
:= $(5/5 + 5)^5 - ((5 + 5)/5 + 5)$
:= $(6^{6-6/6}) - 6/6 - 6$
:= $7777 - (7/7 + 7)$
:= $8 + (((88 \times 88 + 8/8) + 8) + 8)$
:= $9 + ((9/9 - 9 \times 9) \times (((9 + 9)/9) - 99))$
- **7770** := $111 \times ((11 - 1 - 1)^{1+1} - 11)$
:= $2 + (((2 \times 2 \times 2)^2 + 22) + 2)$
:= $((3 + 3)^{3-3/3+3}) - 3 - 3$
:= $(44 - 4)/4 + (4 \times (44 \times 44 + 4))$
:= $(5/5 + 5)^5 - (5/5 + 5)$
:= $(6^{6-6/6}) - 6$
:= $7777 - 7$
:= $(8 - 8/8) \times (8888 - 8)/8$
:= $999/9 \times (9 \times 9 - 99/9)$
- **7771** := $1 + (111 \times ((11 - 1 - 1)^{1+1} - 11))$
:= $2 + (((2 \times 2 \times 2)^2 + 22) + 2/2) + 2)$
:= $3/3 + (((3 + 3)^{3-3/3+3}) - (3 + 3))$
:= $44/4 + (4 \times (44 \times 44 + 4))$
:= $(5/5 + 5)^5 - 5$
:= $6/6 + ((6^{6-6/6}) - 6)$
:= $7/7 + (7777 - 7)$
:= $8 + ((88 \times 88 + (88/8)) + 8)$
:= $9 + (((99 - 99/9))^{(9+9)/9}) + 9 + 9$
- **7772** := $1 + (1 + (111 \times ((11 - 1 - 1)^{1+1} - 11)))$
:= $2 \times ((2 \times (2 \times (2 \times (22^2 + 2)))) - 2)$
:= $(3/3 + 3) \times (((3 \times (3 + 3))^3 - 3)/3)$
:= $44 + (4 \times (44 \times 44 - 4))$
:= $5/5 + ((5/5 + 5)^5 - 5)$
:= $(6 + 6)/6 + ((6^{6-6/6}) - 6)$
:= $(7 + 7)/7 + (7777 - 7)$
:= $8 + ((88 \times 88 + ((88 + 8)/8)) + 8)$
:= $9 + (9 \times 9 \times 99 - (((9 + 9)/9)^{9-9/9}))$

$$\begin{aligned}
\blacktriangleright 7773 &:= (((1+1) \times (1+1+1))^{1+1+1+1+1}) - 1 - 1 - 1 \\
&:= ((2+2+2)^{2/2+2+2}) - 2/2 - 2 \\
&:= ((3+3)^{3-3/3+3}) - 3 \\
&:= 44 + ((4 \times (44 \times 44 - 4)) + 4/4) \\
&:= (5+5)/5 + ((5/5+5)^5 - 5) \\
&:= (6^{6-6/6}) - 6 \times 6/(6+6) \\
&:= 7 + (7777 - (7/7)) \\
&:= 8 + (((88+8+8)/8 + 88 \times 88) + 8) \\
&:= ((99+9) \times (9 \times 9 - 9)) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7778 &:= 1 + (1111 \times (1 + ((1+1) \times (1+1+1)))) \\
&:= 2 + ((2+2+2)^{2/2+2+2}) \\
&:= 3 + (((3+3)^{3-3/3+3}) - 3/3) \\
&:= (4+4)/4 + (4 \times ((44 \times 44 + 4) + 4)) \\
&:= (5+5)/5 + (5/5+5)^5 \\
&:= (6+6)/6 + (6^{6-6/6}) \\
&:= 7/7 + 7777 \\
&:= 8 + ((8-8/8) \times (8888 - 8)/8) \\
&:= (9+9)/9 + ((99+9) \times (9 \times 9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7783 &:= ((1+1111) \times (1 + ((1+1) \times (1+1+1)))) - 1 \\
&:= 2 \times (22 - 2) + ((2 \times 2 \times 22)^2 - 2/2) \\
&:= 3 + (((3+3)^{3-3/3+3}) + 3/3) + 3 \\
&:= 44 + (4 \times 44 \times 44) - (4/4 + 4) \\
&:= 5 + ((5/5+5)^5 + ((5+5)/5)) \\
&:= 6 + ((6^{6-6/6}) + 6/6) \\
&:= 7 + (7777 - 7/7) \\
&:= 8 + (((88 \times 88 - 8/8) + 8) + 8) + 8 \\
&:= 9 + (((99+9) \times (9 \times 9 - 9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7774 &:= (((1+1) \times (1+1+1))^{1+1+1+1+1}) - 1 - 1 \\
&:= ((2+2+2)^{2/2+2+2}) - 2 \\
&:= 3/3 + (((3+3)^{3-3/3+3}) - 3) \\
&:= (4 \times ((44 \times 44 + 4) + 4)) - (4+4)/4 \\
&:= (5/5+5)^5 - (5+5)/5 \\
&:= (6^{6-6/6}) - (6+6)/6 \\
&:= 7777 - (7+7+7)/7 \\
&:= 8 + ((88+88)/8 + 88 \times 88) \\
&:= ((99+9) \times (9 \times 9 - 9)) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7779 &:= 1 + (1 + (1111 \times (1 + ((1+1) \times (1+1+1)))) \\
&:= 2 + (((2+2+2)^{2/2+2+2}) + 2/2) \\
&:= 3 + ((3+3)^{3-3/3+3}) \\
&:= 4 + ((4 \times ((44 \times 44 + 4) + 4)) - 4/4) \\
&:= 5 + ((5/5+5)^5 - ((5+5)/5)) \\
&:= (6^{6-6/6}) + (6 \times 6/(6+6)) \\
&:= (7+7)/7 + 7777 \\
&:= 8 + (((88 \times 88 + (88/8)) + 8) + 8) \\
&:= 9 + (999/9 \times (9 \times 9 - 99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7784 &:= (1 + 1111) \times (1 + ((1+1) \times (1+1+1))) \\
&:= 2 \times (((2 \times (2 \times 22)^2) - 2) + 22) \\
&:= ((33/3 + 3 \times 3)^3) - (3+3)^3 \\
&:= 44 + (4 \times 44 \times 44) - 4 \\
&:= 5 + (((5/5+5)^5 - ((5+5)/5) + 5)) \\
&:= 6 + ((6^{6-6/6}) + ((6+6)/6)) \\
&:= 7 + 7777 \\
&:= 8 + (((88 \times 88 + 8 + 8) + 8) + 8) \\
&:= 9 + (((99+9) \times (9 \times 9 - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7775 &:= (((1+1) \times (1+1+1))^{1+1+1+1+1}) - 1 \\
&:= ((2+2+2)^{2/2+2+2}) - 2/2 \\
&:= ((3+3)^{3-3/3+3}) - 3/3 \\
&:= (4 \times ((44 \times 44 + 4) + 4)) - 4/4 \\
&:= (5/5+5)^5 - 5/5 \\
&:= (6^{6-6/6}) - 6/6 \\
&:= 7777 - (7+7)/7 \\
&:= 8 + (((88 \times 88 - 8/8) + 8) + 8) + 8 \\
&:= ((99+9) \times (9 \times 9 - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7780 &:= 1 + (1 + (1 + (1111 \times (1 + ((1+1) \times (1+1+1)))))) \\
&:= 2 + (((2+2+2)^{2/2+2+2}) + 2) \\
&:= 3 + (((3+3)^{3-3/3+3}) + 3/3) \\
&:= 4 + (4 \times ((44 \times 44 + 4) + 4)) \\
&:= 5 + ((5/5+5)^5 - 5/5) \\
&:= 6 + ((6^{6-6/6}) - ((6+6)/6)) \\
&:= 7777 + (7+7+7)/7 \\
&:= 88 \times 88 + ((8 \times 8 + 8)/(8+8)/8) \\
&:= 9 \times 99 + (((9+9)/9) + 9 \times 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7785 &:= 1 + ((1+1111) \times (1 + ((1+1) \times (1+1+1)))) \\
&:= 2/2 + ((2 \times 2 \times 22)^2 + 2 \times (22 - 2)) \\
&:= 3 \times ((3^3 \times (3 \times 33 - 3)) + 3) \\
&:= 44 + ((4 \times 44 \times 44) - 4) + 4/4 \\
&:= 5 + (((5/5+5)^5 - 5/5) + 5) \\
&:= 6 + ((6^{6-6/6}) + (6 \times 6/(6+6))) \\
&:= 7 + (7777 + 7/7) \\
&:= 8 + ((8-8/8) \times 8888/8) \\
&:= 9 + ((99+9) \times (9 \times 9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7776 &:= ((1+1) \times (1+1+1))^{1+1+1+1+1} \\
&:= (2+2+2)^{2/2+2+2} \\
&:= (3+3)^{3-3/3+3} \\
&:= 4 \times ((44 \times 44 + 4) + 4) \\
&:= (5/5+5)^5 \\
&:= 6^{6-6/6} \\
&:= 7777 - 7/7 \\
&:= 8 + ((88 \times 88 + 8 + 8) + 8) \\
&:= (99+9) \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7781 &:= 11 + (111 \times ((11 - 1 - 1)^{1+1} - 11)) \\
&:= 2 + (((2+2+2)^{2/2+2+2}) + 2/2) + 2) \\
&:= 3 + (((3+3)^{3-3/3+3}) - 3/3) + 3) \\
&:= 4 + ((4 \times ((44 \times 44 + 4) + 4)) + 4/4) \\
&:= 5 + (5/5+5)^5 \\
&:= 6 + ((6^{6-6/6}) - 6/6) \\
&:= 77/7 + (7777 - 7) \\
&:= 88 \times 88 + 888/(8+8+8) \\
&:= 9 \times 999 - (9999/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7786 &:= 1 + (1 + ((1+1111) \times (1 + ((1+1) \times (1+1+1)))) \\
&:= 2 \times 22 + ((2 \times 2 \times 22)^2 - 2) \\
&:= 3 \times 3 + (((3+3)^{3-3/3+3}) + 3/3) \\
&:= 44 + ((4 \times 44 \times 44) - (4+4)/4) \\
&:= 5 + ((5/5+5)^5 + 5) \\
&:= (6^{6-6/6}) + (66 - 6)/6 \\
&:= 7 + (7777 + ((7+7)/7)) \\
&:= 8 + (((8-8/8) \times (8888 - 8)/8) + 8) \\
&:= 9 + (((99+9) \times (9 \times 9 - 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7777 &:= 1111 \times (1 + ((1+1) \times (1+1+1))) \\
&:= 2/2 + ((2+2+2)^{2/2+2+2}) \\
&:= 3/3 + ((3+3)^{3-3/3+3}) \\
&:= 4/4 + (4 \times ((44 \times 44 + 4) + 4)) \\
&:= 5/5 + (5/5+5)^5 \\
&:= 6/6 + (6^{6-6/6}) \\
&:= 7777 \\
&:= (8-8/8) \times 8888/8 \\
&:= 9/9 + ((99+9) \times (9 \times 9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7782 &:= 11 \times 111 + ((1+1+1)^{(1+1) \times (1+1+1)}) \\
&:= 2 + (((2+2+2)^{2/2+2+2}) + 2) + 2) \\
&:= 3 + (((3+3)^{3-3/3+3}) + 3) \\
&:= 4 + ((4 \times ((44 \times 44 + 4) + 4)) + (4+4)/4) \\
&:= 5 + ((5/5+5)^5 + 5/5) \\
&:= 6 + (6^{6-6/6}) \\
&:= 7 + (7777 - ((7+7)/7)) \\
&:= 8 + (((88+88)/8 + 88 \times 88) + 8) \\
&:= 9 + (((99+9) \times (9 \times 9 - 9)) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7787 &:= 11 + (((1+1) \times (1+1+1))^{1+1+1+1+1}) \\
&:= 22/2 + ((2+2+2)^{2/2+2+2}) \\
&:= 33/3 + ((3+3)^{3-3/3+3}) \\
&:= 44 + ((4 \times 44 \times 44) - 4/4) \\
&:= 55/5 + (5/5+5)^5 \\
&:= 66/6 + (6^{6-6/6}) \\
&:= 7777 + (77 - 7)/7 \\
&:= 8 + (((88 \times 88 + (88/8)) + 8) + 8) + 8 \\
&:= 99/9 + ((99+9) \times (9 \times 9 - 9))
\end{aligned}$$

- **7788** := $11 + (1111 \times (1 + ((1 + 1) \times (1 + 1 + 1))))$
:= $2 \times ((2 \times (2 \times 22)^2) + 22)$
:= $(3 + 3) \times ((33/3)^3 - 33)$
:= $44 + (4 \times 44 \times 44)$
:= $(5/5 + 5)^5 + (55 + 5)/5$
:= $6 + ((6^{6-6/6}) + 6)$
:= $77/7 + 7777$
:= $88 \times 88 + (88 / ((8 + 8)/8))$
:= $(99 + 9)/9 + ((99 + 9) \times (9 \times 9 - 9))$
- **7793** := $1 + (1 + ((1 + ((1 + 1) \times (1 + 1 + 1))) \times (1 + (1 + 1111))))$
:= $2 + (((2 \times 2 \times 22 - 2/2)^2) + 222)$
:= $((3 + 3) \times (((3 + 3)^{3/3+3}) + 3)) - 3/3$
:= $4 + (((4 \times 44 \times 44) + 44) + 4/4)$
:= $5 + ((5/5 + 5)^5 + ((55 + 5)/5))$
:= $6 + ((6^{6-6/6}) + (66/6))$
:= $7 + ((7777 + ((7 + 7)/7)) + 7)$
:= $8 + (((8 - 8/8) \times 8888/8) + 8)$
:= $9 + (((99 + 9) \times (9 \times 9 - 9)) - 9/9) + 9$
- **7798** := $(1 + (1 + 1 + 11)) \times (1 + ((1 + 1111)/(1 + 1)))$
:= $22 + ((2 + 2 + 2)^{2/2+2+2})$
:= $(3/3 + 3 + 3) \times (3333/3 + 3)$
:= $44 + ((4 \times 44 \times 44) + (44 - 4)/4)$
:= $(5/5 + 5)^5 + (55 + 55)/5$
:= $(6^{6-6/6}) + ((66 + 66)/6)$
:= $7 + (7777 + 7 + 7)$
:= $8 \times 8 + (88 \times 88 + (8 - 88)/8)$
:= $((99 + 99)/9) + ((99 + 9) \times (9 \times 9 - 9))$
- **7789** := $1 + (11 + (1111 \times (1 + ((1 + 1) \times (1 + 1 + 1))))$
:= $2/2 + ((2 \times 2 \times 22)^2 + 2 \times 22)$
:= $3/3 + ((3 + 3) \times ((33/3)^3 - 33))$
:= $44 + ((4 \times 44 \times 44) + 4/4)$
:= $(5/5 + 5)^5 + (55 + 5 + 5)/5$
:= $6 + (((6^{6-6/6}) + 6/6) + 6)$
:= $7777 + (77 + 7)/7$
:= $8 \times 8 + (88 \times 88 - (88/8 + 8))$
:= $((99 + 9 + 9)/9) + ((99 + 9) \times (9 \times 9 - 9))$
- **7794** := $11 + (((1 + 1111) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) - 1)$
:= $2 + ((2 \times 2 \times 22)^2 + 2 \times (22 + 2))$
:= $(3 + 3) \times (((3 + 3)^{3/3+3}) + 3)$
:= $4 + (((4 \times 44 \times 44) + (4 + 4)/4) + 44)$
:= $5 + ((55 + 5 + 5)/5 + (5/5 + 5)^5)$
:= $6 + (((6^{6-6/6}) + 6) + 6)$
:= $7 + (7777 + ((77 - 7)/7))$
:= $8 \times 8 + ((88 \times 88 - (8 + 8)) + ((8 + 8)/8))$
:= $9 + (((99 + 9) \times (9 \times 9 - 9)) + 9)$
- **7799** := $11 \times (11 \times 111 - (1 + 1)^{11-1-1})$
:= $22 + (((2 + 2 + 2)^{2/2+2+2}) + 2/2)$
:= $3^3 + ((3/3 + 3) \times (((3 \times (3 + 3))^3 - 3)/3))$
:= $44 + ((4 \times 44 \times 44) + 44/4)$
:= $5 \times 5 + ((5/5 + 5)^5 - ((5 + 5)/5))$
:= $6 + (((6^{6-6/6}) + (66/6)) + 6)$
:= $7 + (((7777 + 7/7) + 7) + 7)$
:= $8 \times 8 + (88 \times 88 - (8/8 + 8))$
:= $99/9 \times (9 \times 9 \times 9 - (99/9 + 9))$
- **7790** := $((1 + ((1 + 1) \times (1 + 1 + 1))) \times (1 + (1 + 1111))) - 1$
:= $2 + ((2 \times 2 \times 22)^2 + 2 \times 22)$
:= $3 + (((3 + 3)^{3-3/3+3}) + 33/3)$
:= $44 + ((4 \times 44 \times 44) + (4 + 4)/4)$
:= $5 + (((5/5 + 5)^5 - 5/5) + 5) + 5$
:= $6 + (((6^{6-6/6}) + ((6 + 6)/6)) + 6)$
:= $7 + (7777 - 7/7) + 7$
:= $8 \times 8 + (((8 - 88)/8 - 8) + 88 \times 88)$
:= $(9/9 + 9) \times (9 \times 99 - ((999 + 9)/9))$
- **7795** := $11 + ((1 + 1111) \times (1 + ((1 + 1) \times (1 + 1 + 1))))$
:= $2 \times ((2 \times ((2 \times 22)^2 + 2)) + 222) - 2/2$
:= $3/3 + ((3 + 3) \times (((3 + 3)^{3/3+3}) + 3))$
:= $4 + (((4 \times 44 \times 44) - 4/4) + 44) + 4$
:= $(5 \times (5 \times (5^5 - 5)/(5 + 5))) - 5$
:= $6 + (((6^{6-6/6}) + 6/6) + 6) + 6$
:= $7 + (7777 + (77/7))$
:= $8 \times 8 + 88 \times 88 - (88 + 8 + 8)/8$
:= $9 + (((99 + 9) \times (9 \times 9 - 9)) + 9/9) + 9$
- **7800** := $(11 - 1)^{1+1} \times (111 - (11 \times (1 + 1 + 1)))$
:= $2 + (((2 + 2 + 2)^{2/2+2+2}) + 22)$
:= $3^3 + (((3 + 3)^{3-3/3+3}) - 3)$
:= $44 + ((4 \times (44 \times 44 + 4)) - 4)$
:= $5 \times (5 \times (5^5 - 5)/(5 + 5))$
:= $6 + (((6^{6-6/6}) + 6) + 6) + 6$
:= $7 + (((7777 + ((7 + 7)/7)) + 7) + 7)$
:= $8 \times 8 + (88 \times 88 - 8)$
:= $(9/9 + 9) \times (9 \times 99 - 999/9)$
- **7791** := $(1 + ((1 + 1) \times (1 + 1 + 1))) \times (1 + (1 + 1111))$
:= $222 + ((2 \times 2 \times 22 - 2/2)^2)$
:= $3 + ((3 + 3) \times ((33/3)^3 - 33))$
:= $4 + (((4 \times 44 \times 44) - 4/4) + 44)$
:= $5 + (((5/5 + 5)^5 + 5) + 5)$
:= $6 + (((6^{6-6/6}) + (6 \times 6/(6 + 6))) + 6)$
:= $7 + (7777 + 7)$
:= $8 \times 8 + (88 \times 88 - (8/8 + 8 + 8))$
:= $(9 - (9 + 9)/9) \times (((9999 + 9) + 9)/9)$
- **7796** := $1 + (11 + ((1 + 1111) \times (1 + ((1 + 1) \times (1 + 1 + 1))))$
:= $2 \times ((2 \times ((2 \times 22)^2 + 2)) + 22)$
:= $3 + (((3 + 3) \times (((3 + 3)^{3/3+3}) + 3)) - 3/3)$
:= $4 + (((4 \times 44 \times 44) + 44) + 4)$
:= $5 \times 5 + ((5/5 + 5)^5 - 5)$
:= $6 + (((6^{6-6/6}) + ((6 + 6)/6)) + 6) + 6$
:= $7 + (7777 + (77 + 7)/7)$
:= $8 + ((88 / ((8 + 8)/8)) + 88 \times 88)$
:= $9 + (((99 + 9) \times (9 \times 9 - 9)) + (99/9))$
- **7801** := $1 + ((11 - 1)^{1+1} \times (111 - (11 \times (1 + 1 + 1))))$
:= $2 + (((2 + 2 + 2)^{2/2+2+2}) + 22) + 2/2)$
:= $3 + ((3/3 + 3 + 3) \times (3333/3 + 3))$
:= $4 + ((4 \times 44 \times 44) + (4^4 - 44)/4)$
:= $5 \times 5 + (5/5 + 5)^5$
:= $6 \times 6 + ((6^{6-6/6}) - (66/6))$
:= $7 + ((7777 + ((77 - 7)/7)) + 7)$
:= $8/8 + ((88 \times 88 - 8) + 8 \times 8)$
:= $9 + ((9 - 9/9) \times (9 \times (99 + 9) + ((9 + 9)/9)))$
- **7792** := $1 + ((1 + ((1 + 1) \times (1 + 1 + 1))) \times (1 + (1 + 1111)))$
:= $2 \times (((2 \times (2 \times 22)^2) + 22) + 2)$
:= $(3/3 + 3) \times (((3 \times (3 + 3))^3 + 3)/3) + 3)$
:= $4 + ((4 \times 44 \times 44) + 44)$
:= $5 + ((5/5 + 5)^5 + (55/5))$
:= $6 + ((6^{6-6/6}) + ((66 - 6)/6))$
:= $7 + ((7777 + 7/7) + 7)$
:= $8 \times 8 + (88 \times 88 - (8 + 8))$
:= $(9 - 9/9) \times (9 \times (99 + 9) + ((9 + 9)/9))$
- **7797** := $(1 + 1 + 1) \times ((1 + (11 + 11)) \times (1 + 1 + 1111))$
:= $22 + (((2 + 2 + 2)^{2/2+2+2}) - 2/2)$
:= $3 + ((3 + 3) \times (((3 + 3)^{3/3+3}) + 3))$
:= $(4 \times 44 \times 44) + (4^4 - 44)/4$
:= $5 + (((5/5 + 5)^5 + (55/5)) + 5)$
:= $(6^{6-6/6}) + ((6 \times 6 + 6)/(6 + 6)/6)$
:= $7 + (((7777 - 7/7) + 7) + 7)$
:= $8 \times 8 + (88 \times 88 - (88/8))$
:= $9 + (((99 + 9) \times (9 \times 9 - 9)) + (99 + 9)/9)$
- **7802** := $11 + ((1 + ((1 + 1) \times (1 + 1 + 1))) \times (1 + (1 + 1111)))$
:= $2 + (((2 + 2 + 2)^{2/2+2+2}) + 22) + 2)$
:= $3^3 + (((3 + 3)^{3-3/3+3}) - 3/3)$
:= $44 + ((4 \times (44 \times 44 + 4)) - (4 + 4)/4)$
:= $5 \times 5 + ((5/5 + 5)^5 + 5/5)$
:= $6 \times 6 + (((6 - 66)/6) + (6^{6-6/6}))$
:= $7 + ((7777 + (77/7)) + 7)$
:= $8 \times 8 + ((88 \times 88 - 8) + ((8 + 8)/8))$
:= $((9 + 9)/9)^9 + 9 \times 9 \times (9 \times 9 + 9)$

$$\begin{aligned}
\blacktriangleright 7803 &:= (1+1+1) \times ((1+((11-1)^{1+1}/(1+1)))^{1+1}) \\
&:= (2/2+2) \times (((2 \times (22+2)+2/2)+2)^2) \\
&:= 3^3 + ((3+3)^{3-3/3+3}) \\
&:= 44 + ((4 \times (44 \times 44 + 4)) - 4/4) \\
&:= 5 \times 5 + ((5/5+5)^5 + ((5+5)/5)) \\
&:= (6^{6-6/6}) + ((66 \times 6/(6+6)) - 6) \\
&:= 7 + ((7777 + (77+7)/7) + 7) \\
&:= 8 \times 8 + ((88 \times 88 - (8+8)) + (88/8)) \\
&:= 9 + (((99+9) \times (9 \times 9 - 9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7808 &:= (1+11^{1+1}) \times ((1+1)^{(1+1) \times (1+1+1)}) \\
&:= 2^{2+2} \times (22^2 + 2 + 2) \\
&:= (33 - 3/3) \times ((3^{3+3} + 3)/3) \\
&:= 4 \times (44 \times 44 + 4 \times 4) \\
&:= (5/5+5)^5 + ((5+5)/5)^5 \\
&:= 6 \times 6 + (((6^{6-6/6}) - 6) + ((6+6)/6)) \\
&:= 7 \times 7 + (7777 - (77/7 + 7)) \\
&:= 8 \times (888 + 88) \\
&:= 9 + ((99/9) \times (9 \times 9 \times 9 - (99/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7813 &:= (1 + ((1 + ((1 + 1) \times (1 + 11)))^{1+1+1})) / (1 + 1) \\
&:= 2 + (((2^{2+2} \times (22^2 + 2 + 2)) + 2/2) + 2) \\
&:= 3/3 + (3 \times (3333 - 3^{3+3})) \\
&:= 4 + ((4 \times (44 \times 44 + 4 \times 4)) + 4/4) \\
&:= 5 + ((5/5 + 5)^5 + ((5 + 5)/5)^5) \\
&:= 6 \times 6 + ((6^{6-6/6}) + 6/6) \\
&:= 7/7 + ((7777 - 7 - 7) + 7 \times 7) \\
&:= 88 + (88 \times 88 - (88/8 + 8)) \\
&:= 9/9 + ((99 \times (9 \times 9 - ((9 + 9)/9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7804 &:= 1 + ((1 + 1 + 1) \times ((1 + ((11 - 1)^{1+1}/(1 + 1)))^{1+1})) \\
&:= 2 \times ((2 \times ((2 \times 22)^2 + 2) + 2) + 22) \\
&:= 3^3 + (((3 + 3)^{3-3/3+3}) + 3/3) \\
&:= 44 + (4 \times (44 \times 44 + 4)) \\
&:= 5 + (((5/5 + 5)^5 - ((5 + 5)/5)) + 5 \times 5) \\
&:= 6 + (((66 + 66)/6) + (6^{6-6/6})) \\
&:= 7 + (((7777 - 7/7) + 7) + 7) + 7 \\
&:= 8 \times 8 + (88 \times 88 - 8 \times 8/(8 + 8)) \\
&:= 9 + (((99 + 9) \times (9 \times 9 - 9)) + 9/9) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7809 &:= 1 + ((1 + 11^{1+1}) \times ((1 + 1)^{(1+1) \times (1+1+1)})) \\
&:= 2/2 + (2^{2+2} \times (22^2 + 2 + 2)) \\
&:= 33 + ((3 + 3)^{3-3/3+3}) \\
&:= 4/4 + (4 \times (44 \times 44 + 4 \times 4)) \\
&:= 5/5 + ((5/5 + 5)^5 + ((5 + 5)/5)^5) \\
&:= (6^{6-6/6}) + (66 \times 6/(6 + 6)) \\
&:= 7 + (((7777 + (77/7)) + 7) + 7) \\
&:= 8/8 + (88 \times 88 + 8 \times 8) \\
&:= 9 \times 9 \times 99 - (999/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7814 &:= 1 + ((1 + ((1 + ((1 + 1) \times (1 + 11)))^{1+1+1})) / (1 + 1)) \\
&:= 2 + (((2^{2+2} \times (22^2 + 2 + 2)) + 2) + 2) \\
&:= 3 + (((33 - 3/3) \times ((3^{3+3} + 3)/3)) + 3) \\
&:= 4 + ((4 \times (44 \times 44 + 4 \times 4)) + (4 + 4)/4) \\
&:= (5 \times (5 \times (5^5 + 5)/(5 + 5))) - 55/5 \\
&:= 6 \times 6 + ((6^{6-6/6}) + ((6 + 6)/6)) \\
&:= 7 \times 7 + (7777 - (77 + 7)/7) \\
&:= 8 + ((88 \times 88 - ((8 + 8)/8)) + 8 \times 8) \\
&:= (9 + 9)/9 + ((99 \times (9 \times 9 - ((9 + 9)/9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7805 &:= (1 + (1 + 1) \times 111) \times (1 + (1 + 11 \times (1 + 1 + 1))) \\
&:= (222 + 2/2) \times ((22/2 + 22) + 2) \\
&:= ((33 - 3/3) \times ((3^{3+3} + 3)/3)) - 3 \\
&:= 44 + ((4 \times (44 \times 44 + 4)) + 4/4) \\
&:= 5 + (5 \times (5 \times (5^5 - 5)/(5 + 5))) \\
&:= 6 \times 6 + ((6^{6-6/6}) - (6/6 + 6)) \\
&:= 7 + ((7777 + 7 + 7) + 7) \\
&:= 8 + ((88 \times 88 - (88/8)) + 8 \times 8) \\
&:= 9 + (((99 + 9) \times (9 \times 9 - 9)) + (99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7810 &:= (111 - 1) \times (((1 + 11)^{1+1}/(1 + 1)) - 1) \\
&:= 2 + (2^{2+2} \times (22^2 + 2 + 2)) \\
&:= 3/3 + (((3 + 3)^{3-3/3+3}) + 33) \\
&:= (4 + 4)/4 + (4 \times (44 \times 44 + 4 \times 4)) \\
&:= 5 \times (5^5 - 5/5)/(5 + 5/5) \\
&:= 6 \times 6 + ((6^{6-6/6}) - ((6 + 6)/6)) \\
&:= (777 - 7)/7 \times ((7/7 - 7) + 77) \\
&:= 8 \times 8 + (88 \times 88 + ((8 + 8)/8)) \\
&:= 99/9 \times (9 \times 9 \times 9 - (9/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7815 &:= 1 + (1 + ((1 + ((1 + 1) \times (1 + 11)))^{1+1+1})) / (1 + 1) \\
&:= 2 \times (2 + 2 + 2)^2 + ((2 \times 2 \times 22)^2 - 2/2) \\
&:= 3 + (3 \times (3333 - 3^{3+3})) \\
&:= 4 + (((4 \times 44 \times 44) + ((4^4 - 4)/4)) + 4) \\
&:= 5 \times ((5^5 + 5/5)/(5 + 5/5)) \\
&:= 6 + ((66 \times 6/(6 + 6)) + (6^{6-6/6})) \\
&:= 7 \times 7 + (7777 - (77/7)) \\
&:= 8 + ((88 \times 88 - 8/8) + 8 \times 8) \\
&:= (((9 + 9)/9)^9 + 9) \times ((9 - ((9 + 9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7806 &:= 1 + ((1 + (1 + 1) \times 111) \times (1 + (1 + 11 \times (1 + 1 + 1)))) \\
&:= (2^{2+2} \times (22^2 + 2 + 2)) - 2 \\
&:= 3 + (((3 + 3)^{3-3/3+3}) + 3^3) \\
&:= (4^4 - 4 - 4)/4 + (4 \times 44 \times 44) \\
&:= 5 + ((5/5 + 5)^5 + 5 \times 5) \\
&:= 6 \times 6 + ((6^{6-6/6}) - 6) \\
&:= 7 + (((7777 + 7/7) + 7) + 7) + 7 \\
&:= 8 \times 8 + (88 \times 88 - ((8 + 8)/8)) \\
&:= 9 + (((99 + 9) \times (9 \times 9 - 9)) + (99 + 9)/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7811 &:= 1 + ((111 - 1) \times (((1 + 11)^{1+1}/(1 + 1)) - 1)) \\
&:= 2 + ((2^{2+2} \times (22^2 + 2 + 2)) + 2/2) \\
&:= 3 + ((33 - 3/3) \times ((3^{3+3} + 3)/3)) \\
&:= 4 + ((4 \times 44 \times 44) + ((4^4 - 4)/4)) \\
&:= 5 + (((5/5 + 5)^5 + 5 \times 5) + 5) \\
&:= 6 \times 6 + ((6^{6-6/6}) - 6/6) \\
&:= 7 \times 7 + (7777 - (7/7 + 7 + 7)) \\
&:= 8 \times 8 + ((88 \times 88 - 8) + (88/8)) \\
&:= 9 + (9 \times 9 \times (9 \times 9 + 9) + ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7816 &:= (1 + 1) \times (((111 - 1)^{1+1}) - ((1 + 1)^{1+1+1})) \\
&:= 2 \times ((2 \times (2 \times 22)^2) + (2 + 2 + 2)^2) \\
&:= 3 + ((3 \times (3333 - 3^{3+3})) + 3/3) \\
&:= 4 + ((4 \times (44 \times 44 + 4 \times 4)) + 4) \\
&:= 5 + (((5/5 + 5)^5 + 5 \times 5) + 5) + 5 \\
&:= 6 + (((6^{6-6/6}) - ((6 + 6)/6)) + 6 \times 6) \\
&:= 7 \times 7 + (((7 - 77)/7) + 7777) \\
&:= 8 + (88 \times 88 + 8 \times 8) \\
&:= 9 \times 9 + (((99 - (99/9))^{(9+9)/9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7807 &:= (111/(1 + 1 + 1)) \times ((1 + 1) \times 111 - 11) \\
&:= (2^{2+2} \times (22^2 + 2 + 2)) - 2/2 \\
&:= 3 + (((3 + 3)^{3-3/3+3}) + 3^3) + 3/3 \\
&:= ((4^4 - 4)/4) + (4 \times 44 \times 44) \\
&:= 5 + (((5/5 + 5)^5 + 5 \times 5) + 5/5) \\
&:= 6 \times 6 + (((6^{6-6/6}) - 6) + 6/6) \\
&:= 7 + (((7777 + ((7 + 7)/7)) + 7) + 7) + 7 \\
&:= 8 \times 8 + (88 \times 88 - 8/8) \\
&:= 9 + (((99 + 9) \times (9 \times 9 - 9)) + ((99 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7812 &:= (((1 + ((1 + 1) \times (1 + 11)))^{1+1+1}) - 1) / (1 + 1) \\
&:= 2 + ((2^{2+2} \times (22^2 + 2 + 2)) + 2) \\
&:= 3 \times (3333 - 3^{3+3}) \\
&:= 4 + (4 \times (44 \times 44 + 4 \times 4)) \\
&:= 5 \times 5 + ((5/5 + 5)^5 + (55/5)) \\
&:= 6 \times (6 \times 6 \times 6 \times 6 + 6) \\
&:= 7 \times 7 + (7777 - 7 - 7) \\
&:= 8 \times 8 + (88 \times 88 + 8 \times 8/(8 + 8)) \\
&:= (99 \times (9 \times 9 - ((9 + 9)/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7817 &:= ((1 + 1)^{1+1+1}) + (((1 + 11^{1+1}) / (1 + 1))^{1+1}) \\
&:= 2/2 + (2 \times (2 + 2 + 2)^2 + (2 \times 2 \times 22)^2) \\
&:= 3 \times 3 + ((33 - 3/3) \times ((3^{3+3} + 3)/3)) \\
&:= 4 + (((4 \times (44 \times 44 + 4 \times 4)) + 4/4) + 4) \\
&:= 5 + (((5/5 + 5)^5 + (55/5)) + 5 \times 5) \\
&:= 6 + (((6^{6-6/6}) - 6/6) + 6 \times 6) \\
&:= 7 \times 7 + (7777 - ((7 + 7)/7 + 7)) \\
&:= 8 + ((88 \times 88 + 8/8) + 8 \times 8) \\
&:= 9 \times (9 \times 99 - 9) - (((999 + 9)/9) + 9)
\end{aligned}$$

- **7818** := $(11 + ((1 + ((1 + 1) \times (1 + 11)))^{1+1+1})) / (1 + 1)$
:= $2 + (2 \times (2 + 2 + 2)^2 + (2 \times 2 \times 22)^2)$
:= $(33 \times ((3 \times (3 \times 3^3 - 3)) + 3)) - 3$
:= $(44 - 4) / 4 + (4 \times (44 \times 44 + 4 \times 4))$
:= $5 + (((5/5 + 5)^5 + ((5 + 5)/5)^5) + 5)$
:= $6 + ((6^{6-6/6}) + 6 \times 6)$
:= $7 \times 7 + (7777 - (7/7 + 7))$
:= $8 + ((88 \times 88 + ((8 + 8)/8)) + 8 \times 8)$
:= $9 \times (9 \times 99 - 9) - (999/9 + 9)$
- **7823** := $11 + (((1 + ((1 + 1) \times (1 + 11)))^{1+1+1}) - 1) / (1 + 1)$
:= $222/2 + (2^{2+2} \times (22^2 - 2))$
:= $((3 + 3) \times ((33/3)^3 - 3^3)) - 3/3$
:= $4^4 + ((44 \times (4 \times 44 - 4)) - 4/4)$
:= $(5 \times (5 \times (5^5 + 5) / (5 + 5))) - (5 + 5) / 5$
:= $6 \times 6 + ((6^{6-6/6}) + (66/6))$
:= $7 \times 7 + (7777 - ((7 + 7 + 7) / 7))$
:= $88 + (88 \times 88 - (8/8 + 8))$
:= $(9 + 9) / 9 + (99 \times (9 \times 9 - ((9 + 9) / 9)))$
- **7828** := $((1 + 1)^{1+1+1+1}) - (1 + (11 \times (11 \times (1 + 1 + 1))))$
:= $2 \times ((2 \times ((2 \times 22)^2 + 22)) - 2)$
:= $3 + (((3 + 3) \times ((33/3)^3 - 3^3)) + 3/3)$
:= $4 + ((44 \times (4 \times 44 - 4)) + 4^4)$
:= $55 + (((5/5 + 5)^5 - 5) + ((5 + 5) / 5))$
:= $(6^{6-6/6}) + (((6 + 6) / 6)^6 - (6 + 6))$
:= $7 \times 7 + (7777 + ((7 + 7) / 7))$
:= $88 + (88 \times 88 - 8 \times 8 / (8 + 8))$
:= $((9 - 999) / 9) + 9 \times (9 \times 99 - 9)$
- **7819** := $1 + ((11 + ((1 + ((1 + 1) \times (1 + 11)))^{1+1+1})) / (1 + 1))$
:= $22/2 + (2^{2+2} \times (22^2 + 2 + 2))$
:= $3/3 + ((33 \times ((3 \times (3 \times 3^3 - 3)) + 3)) - 3)$
:= $44/4 + (4 \times (44 \times 44 + 4 \times 4))$
:= $55 + ((5/5 + 5)^5 - ((55 + 5) / 5))$
:= $6 + (((6^{6-6/6}) + 6 \times 6) + 6/6)$
:= $7 \times 7 + (7777 - 7)$
:= $8 \times 8 + (88 \times 88 + (88/8))$
:= $(99 \times (9 \times 9 - ((9 + 9) / 9))) - (9 + 9) / 9$
- **7824** := $11 + ((1 + ((1 + ((1 + 1) \times (1 + 11)))^{1+1+1})) / (1 + 1))$
:= $2 \times (2 \times (((2 \times 22)^2 - 2) + 22))$
:= $(3 + 3) \times ((33/3)^3 - 3^3)$
:= $4 \times ((44 \times 44 + 4 \times 4) + 4)$
:= $(5 \times (5 \times (5^5 + 5) / (5 + 5))) - 5/5$
:= $6 + (((6^{6-6/6}) + 6 \times 6) + 6)$
:= $7 \times 7 + (7777 - ((7 + 7) / 7))$
:= $88 + (88 \times 88 - 8)$
:= $(9 - 9/9) \times (999 - ((99 + 9) / 9 + 9))$
- **7829** := $((1 + 1)^{1+1+1+1}) - (11 \times (11 \times (1 + 1 + 1)))$
:= $2/2 + (2 \times ((2 \times ((2 \times 22)^2 + 22)) - 2))$
:= $(3 \times (3 + 3))^3 + ((3 + 3) \times 333 - 3/3)$
:= $4 + ((4 \times 44 \times 44) + (4 - 4/4)^4)$
:= $55 + ((5/5 + 5)^5 - ((5 + 5) / 5))$
:= $6 + (((6^{6-6/6}) + (66/6)) + 6 \times 6)$
:= $7 \times 7 + (7777 + ((7 + 7 + 7) / 7))$
:= $8 + ((88 \times 88 - (88/8)) + 88)$
:= $9 + ((99 \times (9 \times 9 - ((9 + 9) / 9))) - 9/9)$
- **7820** := $(1 + 1) \times ((1 + (11 + 11)) \times (1 + (1 + 1 + 11)^{1+1}))$
:= $2 \times ((2 \times (2 \times (2 \times (22^2 + 2)))) + 22)$
:= $(3/3 + 3) \times (((3 \times (3 + 3))^3 + 33) / 3)$
:= $44 + (4 \times ((44 \times 44 + 4) + 4))$
:= $(5 \times (5 \times (5^5 + 5) / (5 + 5))) - 5$
:= $6 + (((6^{6-6/6}) + ((6 + 6) / 6)) + 6 \times 6)$
:= $7/7 + ((7777 - 7) + 7 \times 7)$
:= $8 \times 8 + (88 \times 88 + ((88 + 8) / 8))$
:= $(99 \times (9 \times 9 - ((9 + 9) / 9))) - 9/9$
- **7825** := $((111 \times ((1 + 11)^{1+1} - (1 + 1 + 1))) - 1) / (1 + 1)$
:= $(2 \times 2 \times 22)^2 + (2/2 + 2)^{2+2}$
:= $3/3 + ((3 + 3) \times ((33/3)^3 - 3^3))$
:= $(4 - 4/4)^4 + (4 \times 44 \times 44)$
:= $5 \times (5 \times (5^5 + 5) / (5 + 5))$
:= $6 + (((6^{6-6/6}) + 6 \times 6) + 6/6) + 6$
:= $7 \times 7 + (7777 - 7/7)$
:= $8/8 + ((88 \times 88 - 8) + 88)$
:= $9 \times 9 + ((99 - (99/9))^{(9+9)/9})$
- **7830** := $(11 - 1) \times (((1 + (1 + 1 + 1))^{1+1+1})^{1+1}) - 1$
:= $(2 \times (2 \times ((2 \times 22)^2 + 22))) - 2$
:= $3 \times ((3^3 + 3) \times (3 \times 3^3 + 3 + 3))$
:= $(44 + 4/4) \times (4 \times 44 - (4 + 4) / 4)$
:= $5 + (5 \times (5 \times (5^5 + 5) / (5 + 5)))$
:= $66 + ((6^{6-6/6}) - (6 + 6))$
:= $7 \times 7 + ((7777 - 7) + (77/7))$
:= $88 + (88 \times 88 - ((8 + 8) / 8))$
:= $9 + (99 \times (9 \times 9 - ((9 + 9) / 9)))$
- **7821** := $11 \times (1111 - ((1 + 1) \times (11 - 1))^{1+1})$
:= $(2 \times (2 \times ((2 \times 22)^2 + 22))) - 22/2$
:= $33 \times ((3 \times (3 \times 3^3 - 3)) + 3)$
:= $(4 - 4/4)^4 + ((4 \times 44 \times 44) - 4)$
:= $55 + ((5/5 + 5)^5 - (5 + 5))$
:= $666/6 + ((6^{6-6/6}) - 66)$
:= $77 + ((77/7 + 77)^{(7+7)/7})$
:= $88 + (88 \times 88 - (88/8))$
:= $99 \times (9 \times 9 - ((9 + 9) / 9))$
- **7826** := $1111 + (((11 \times 11 \times 11) - 1) / (1 + 1))$
:= $2 + (2 \times (2 \times ((2 \times 22)^2 - 2) + 22))$
:= $3 + (((3 + 3) \times ((33/3)^3 - 3^3)) - 3/3)$
:= $4/4 + ((4 \times 44 \times 44) + (4 - 4/4)^4)$
:= $55 + ((5/5 + 5)^5 - 5)$
:= $(6/6 + 6) \times ((6666 + 6) / 6 + 6)$
:= $7 \times 7 + 7777$
:= $88 + ((88 \times 88 - 8) + ((8 + 8) / 8))$
:= $9 \times (9 \times 99 - 9) - ((999 + 9) / 9)$
- **7831** := $1 + ((11 - 1) \times (((1 + (1 + 1 + 1))^{1+1+1})^{1+1}) - 1)$
:= $(2 \times (2 \times ((2 \times 22)^2 + 22))) - 2/2$
:= $3/3 + ((3 + 3) \times 333 + (3 \times (3 + 3))^3)$
:= $(44 \times (4 \times 44 + (4 + 4) / 4)) - 4/4$
:= $55 + (5/5 + 5)^5$
:= $66 + ((6^{6-6/6}) - (66/6))$
:= $7 + ((7777 - ((7 + 7) / 7)) + 7 \times 7)$
:= $88 + (88 \times 88 - 8/8)$
:= $((99 - 9/9) \times (9 \times 9 - 9/9)) - 9$
- **7822** := $1 + (11 \times (1111 - ((1 + 1) \times (11 - 1))^{1+1}))$
:= $(2 \times (2 \times (((2 \times 22)^2 - 2) + 22))) - 2$
:= $3/3 + (33 \times ((3 \times (3 \times 3^3 - 3)) + 3))$
:= $4^4 + ((44 \times (4 \times 44 - 4)) - (4 + 4) / 4)$
:= $55 + (((5/5 + 5)^5 - (5 + 5)) + 5/5)$
:= $6 \times 6 + ((6^{6-6/6}) + ((66 - 6) / 6))$
:= $7 + ((7777 - (77/7)) + 7 \times 7)$
:= $88 + (88 \times 88 + (8 - 88) / 8)$
:= $9/9 + (99 \times (9 \times 9 - ((9 + 9) / 9)))$
- **7827** := $1111 + ((1 + (11 \times 11 \times 11)) / (1 + 1))$
:= $2 + ((2 \times 2 \times 22)^2 + (2/2 + 2)^{2+2})$
:= $3 + ((3 + 3) \times ((33/3)^3 - 3^3))$
:= $4 + (((44 \times (4 \times 44 - 4)) - 4/4) + 4^4)$
:= $55 + (((5/5 + 5)^5 - 5) + 5/5)$
:= $6 + (((6^{6-6/6}) - 66) + 666/6)$
:= $7/7 + (7777 + 7 \times 7)$
:= $8 + ((88 \times 88 + (88/8)) + 8 \times 8)$
:= $9 \times (9 \times 99 - 9) - 999/9$
- **7832** := $(1 + 1) \times (11 \times (((1 + 1 + 1) \times (11^{1+1} - (1 + 1))) - 1))$
:= $2 \times (2 \times ((2 \times 22)^2 + 22))$
:= $33/3 + (33 \times ((3 \times (3 \times 3^3 - 3)) + 3))$
:= $44 \times (4 \times 44 + (4 + 4) / 4)$
:= $55 + ((5/5 + 5)^5 + 5/5)$
:= $66 + (((6 - 66) / 6) + (6^{6-6/6}))$
:= $7 + ((7777 - 7/7) + 7 \times 7)$
:= $88 + 88 \times 88$
:= $99/9 + (99 \times (9 \times 9 - ((9 + 9) / 9)))$

$$\begin{aligned}
\blacktriangleright 7833 &:= (11 + (11 - 1)) \times (((11 + 11)^{1+1}) - 111) \\
&:= 2/2 + (2 \times (2 \times ((2 \times 22)^2 + 22))) \\
&:= 3 + ((3 + 3) \times 333 + (3 \times (3 + 3))^3) \\
&:= 4/4 + (44 \times (4 \times 44 + (4 + 4)/4)) \\
&:= 55 + ((5/5 + 5)^5 + ((5 + 5)/5)) \\
&:= ((66 + 6/6) \times (666/6 + 6)) - 6 \\
&:= 7 + (7777 + 7 \times 7) \\
&:= 8/8 + (88 \times 88 + 88) \\
&:= (99 + 9)/9 + (99 \times (9 \times 9 - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7834 &:= 1111 + (((1 + (11 - 1 - 1)^{1+1})^{1+1}) - 1) \\
&:= 2 + (2 \times (2 \times ((2 \times 22)^2 + 22))) \\
&:= 3 + (((3 + 3) \times 333 + (3 \times (3 + 3))^3) + 3/3) \\
&:= 4 + ((44 + 4/4) \times (4 \times 44 - (4 + 4)/4)) \\
&:= 5 + (((5/5 + 5)^5 - ((5 + 5)/5)) + 55) \\
&:= (6^{6-6/6}) + (((6 + 6)/6)^6 - 6) \\
&:= 7 + (7777 + 7 \times 7) / 7 \\
&:= 88 + (88 \times 88 + ((8 + 8)/8)) \\
&:= 9 + (((99 - (99/9))^{(9+9)/9}) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7835 &:= 1111 + ((1 + (11 - 1 - 1)^{1+1})^{1+1}) \\
&:= 2 + ((2 \times (2 \times ((2 \times 22)^2 + 22))) + 2/2) \\
&:= 3^3 + ((33 - 3/3) \times ((3^{3+3} + 3)/3)) \\
&:= ((4 + 4) \times (4 \times 4^4 - 44)) - 4/4 - 4 \\
&:= 5 + ((5 \times (5 \times (5^5 + 5)/(5 + 5))) + 5) \\
&:= 66 + ((6^{6-6/6}) - (6/6 + 6)) \\
&:= 7 + (7777 + ((7 + 7)/7)) + 7 \times 7 \\
&:= 88 + ((88 \times 88 - 8) + (88/8)) \\
&:= 9 + (9 \times (9 \times 99 - 9) - ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7836 &:= 1 + (1111 + ((1 + (11 - 1 - 1)^{1+1})^{1+1})) \\
&:= 2 \times ((2 \times ((2 \times 22)^2 + 22)) + 2) \\
&:= 3^3 + (((3 + 3)^{3-3/3+3}) + 33) \\
&:= ((4 + 4) \times (4 \times 4^4 - 44)) - 4 \\
&:= 5 + ((5/5 + 5)^5 + 55) \\
&:= 66 + ((6^{6-6/6}) - 6) \\
&:= 77 + (7777 - (77/7 + 7)) \\
&:= 88 + (88 \times 88 + 8 \times 8 / (8 + 8)) \\
&:= 9 + (9 \times (9 \times 99 - 9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7837 &:= ((111 - 1 - 1) \times ((1 + 11)^{1+1} / (1 + 1))) - 11 \\
&:= 2/2 + (2 \times ((2 \times ((2 \times 22)^2 + 22)) + 2)) \\
&:= ((3/3 + 3)^3) + (((3 + 3)^{3-3/3+3}) - 3) \\
&:= 4/4 + (((4 + 4) \times (4 \times 4^4 - 44)) - 4) \\
&:= 5 + (((5/5 + 5)^5 + 55) + 5/5) \\
&:= 66 + (((6^{6-6/6}) - 6) + 6/6) \\
&:= 7 \times 7 + (7777 + (77/7)) \\
&:= 8 + (((88 \times 88 - (88/8)) + 88) + 8) \\
&:= 9 \times (9 \times 99 - 9) - ((9 + 9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7838 &:= (1 + 1) \times (((1 + 111) \times (1 + (1 + 11 \times (1 + 1 + 1)))) - \blacktriangleright 7843 := 11 \times ((1 + (11 + 11)) \times (1 + ((11 - 1) \times (1 + 1 + 1)))) \\
&:= 2 + (2 \times ((2 \times ((2 \times 22)^2 + 22)) + 2)) \\
&:= ((33/3 + 3 \times 3)^3) - (3 + 3) \times 3^3 \\
&:= ((4 + 4) \times (4 \times 4^4 - 44)) - (4 + 4)/4 \\
&:= 5 + (((5/5 + 5)^5 + ((5 + 5)/5)) + 55) \\
&:= 66 + (((6^{6-6/6}) - 6) + ((6 + 6)/6)) \\
&:= 7 \times 7 + (7777 + (77 + 7)/7) \\
&:= 8 + ((88 \times 88 - ((8 + 8)/8)) + 88) \\
&:= 9 \times (9 \times 99 - 9) - (9/9 + 99) \\
&:= 22/2 + (2 \times (2 \times ((2 \times 22)^2 + 22))) \\
&:= 3 + (((3 + 3)^{3-3/3+3}) + ((3/3 + 3)^3)) \\
&:= 4 + (((4 + 4) \times (4 \times 4^4 - 44)) - 4/4) \\
&:= 55 + ((5/5 + 5)^5 + ((55 + 5)/5)) \\
&:= 66 + ((6^{6-6/6}) + 6/6) \\
&:= 77 + (7777 - (77/7)) \\
&:= 88 + (88 \times 88 + (88/8)) \\
&:= 99 + ((99 - (99/9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7839 &:= ((11 - 1) \times ((1 + (1 + 1 + 1)^{1+1+1})^{1+1})) - 1 \\
&:= (2 \times (2 \times ((2 \times 22)^2 + 22) + 2)) - 2/2 \\
&:= (33 + 3 + 3) \times (33 \times (3 + 3) + 3) \\
&:= ((4 + 4) \times (4 \times 4^4 - 44)) - 4/4 \\
&:= (5/5 + 5)^5 + (5^5/5 + 5)/(5 + 5) \\
&:= (66 + 6/6) \times (666/6 + 6) \\
&:= (7 \times (7 \times 7 \times 7 + 777)) - 7/7 \\
&:= 8 + ((88 \times 88 - 8/8) + 88) \\
&:= 9 \times (9 \times 99 - 9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7840 &:= (11 - 1) \times ((1 + (1 + 1 + 1)^{1+1+1})^{1+1}) \\
&:= 2 \times (2 \times ((2 \times 22)^2 + 22) + 2) \\
&:= ((3/3 + 3)^3) + ((3 + 3)^{3-3/3+3}) \\
&:= (4 + 4) \times (4 \times 4^4 - 44) \\
&:= 5 \times (((5^5 + 5/5)/(5 + 5)/5) + 5) \\
&:= (6^{6-6/6}) + ((6 + 6)/6)^6 \\
&:= 7 \times (7 \times 7 \times 7 + 777) \\
&:= 8 + (88 \times 88 + 88) \\
&:= (99 - 9/9) \times (9 \times 9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7841 &:= 1 + ((11 - 1) \times ((1 + (1 + 1 + 1)^{1+1+1})^{1+1})) \\
&:= 2/2 + (2 \times (2 \times ((2 \times 22)^2 + 22) + 2)) \\
&:= 3 + (((33/3 + 3 \times 3)^3) - (3 + 3) \times 3^3) \\
&:= 4/4 + ((4 + 4) \times (4 \times 4^4 - 44)) \\
&:= 5 + (((5/5 + 5)^5 + 55) + 5) \\
&:= 66 + ((6^{6-6/6}) - 6/6) \\
&:= 7/7 + (7 \times (7 \times 7 \times 7 + 777)) \\
&:= 8 + ((88 \times 88 + 8/8) + 88) \\
&:= 9/9 + ((99 - 9/9) \times (9 \times 9 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7842 &:= 1 + (1 + ((11 - 1) \times ((1 + (1 + 1 + 1)^{1+1+1})^{1+1}))) \\
&:= 2 + (2 \times (2 \times ((2 \times 22)^2 + 22) + 2)) \\
&:= (3 + 3) \times (((33/3)^3 - 3^3) + 3) \\
&:= (4 + 4)/4 + ((4 + 4) \times (4 \times 4^4 - 44)) \\
&:= 55 + ((5/5 + 5)^5 + (55/5)) \\
&:= 66 + (6^{6-6/6}) \\
&:= 77 + (7777 - (77 + 7)/7) \\
&:= 8 + ((88 \times 88 + ((8 + 8)/8)) + 88) \\
&:= (9 + 9)/9 + ((99 - 9/9) \times (9 \times 9 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7844 &:= 111 + (((11 \times (1 + 1)^{1+1+1})^{1+1}) - 11) \\
&:= 2 \times (2 \times ((2 \times 22)^2 + 22) + 2) + 2 \\
&:= (3/3 + 33 + 3) \times ((3 + 3)^3 - (3/3 + 3)) \\
&:= 4 + ((4 + 4) \times (4 \times 4^4 - 44)) \\
&:= 5 + ((5^5/5 + 5)/(5 + 5) + (5/5 + 5)^5) \\
&:= 66 + ((6^{6-6/6}) + ((6 + 6)/6)) \\
&:= 7 + ((7777 + (77/7)) + 7 \times 7) \\
&:= 88 + (88 \times 88 + ((88 + 8)/8)) \\
&:= 9 \times (9 \times 99 + 9) - (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7845 &:= (1 + 1 + 1) \times (((1 + 1) \times ((1 + 11) \times (111 - 1 - 1)))) - 1 \\
&:= (2 \times 2 \times 22)^2 + 2222/22 \\
&:= ((3^3 - 3) \times (333 - (3 + 3))) - 3 \\
&:= 4 + (((4 + 4) \times (4 \times 4^4 - 44)) + 4/4) \\
&:= (5 \times ((5 \times (5^5 + 5)/(5 + 5)) + 5)) - 5 \\
&:= 6 + ((66 + 6/6) \times (666/6 + 6)) \\
&:= 77 + (7777 - ((7 + 7)/7 + 7)) \\
&:= 88 \times 88 + (8888/88) \\
&:= (9 \times (9 \times 99 - (9 + 9))) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7846 &:= (1 + 1) \times (((1 + 1 + 1) \times ((1 + 11) \times (111 - 1 - 1)))) - 1 \\
&:= ((2 + 2 + 2)^2 \times (222 - 2 - 2)) - 2 \\
&:= 3/3 + (((3^3 - 3) \times (333 - (3 + 3))) - 3) \\
&:= 4 + (((4 + 4) \times (4 \times 4^4 - 44)) + (4 + 4)/4) \\
&:= 5 + (((5/5 + 5)^5 + 55) + 5) + 5 \\
&:= 6 + ((6^{6-6/6}) + ((6 + 6)/6)^6) \\
&:= 77 + (7777 - (7/7 + 7)) \\
&:= 88 \times 88 + ((888 - 8)/8 - 8) \\
&:= (9 \times (9 \times 99 - (9 + 9))) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7847 &:= (1 + ((1 + 1) \times (1 + 1 + 1))) \times (11 + (1111 - 1)) \\
&:= 222/2 + (2 \times (2 \times ((2 \times 22)^2 - 2))) \\
&:= ((3^3 - 3) \times (333 - (3 + 3))) - 3/3 \\
&:= 4 + (((4 + 4) \times (4 \times 4^4 - 44)) - 4/4) + 4 \\
&:= 5 + (((5/5 + 5)^5 + (55/5)) + 55) \\
&:= 6 + (((6^{6-6/6}) - 6/6) + 66) \\
&:= 77 + (7777 - 7) \\
&:= 888/8 + (88 \times 88 - 8) \\
&:= (9 \times (9 \times 99 - (9 + 9))) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7848 &:= (111 - 1 - 1) \times ((1 + 11)^{1+1} / (1 + 1)) \\
&:= (2 + 2 + 2)^2 \times (222 - 2 - 2) \\
&:= (3^3 - 3) \times (333 - (3 + 3)) \\
&:= 4 + (((4 + 4) \times (4 \times 4^4 - 44)) + 4) \\
&:= 5 + (((5/5 + 5)^5 + ((55 + 5)/5)) + 55) \\
&:= 6 + (((6^{6-6/6}) + 66) \\
&:= 7/7 + ((7777 - 7) + 77) \\
&:= 8 + ((88 \times 88 + 88) + 8) \\
&:= (9 \times (9 \times 99 - (9 + 9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7849 &:= 1 + ((111 - 1 - 1) \times ((1 + 11)^{1+1} / (1 + 1))) \\
&:= 2/2 + ((2 + 2 + 2)^2 \times (222 - 2 - 2)) \\
&:= 3/3 + (((3^3 - 3) \times (333 - (3 + 3))) \\
&:= 4 + (((4 + 4) \times (4 \times 4^4 - 44)) + 4/4 + 4) \\
&:= (5 \times ((5 \times (5^5 + 5) / (5 + 5)) + 5)) - 5/5 \\
&:= 6 + (((6^{6-6/6}) + 66) + 6/6) \\
&:= 77 + ((7777 - 7) + ((7 + 7)/7)) \\
&:= 8 + (((88 \times 88 + 8/8) + 88) + 8) \\
&:= 9 + ((99 - 9/9) \times (9 \times 9 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7850 &:= (11 - 1) \times (1 + ((1 + (1 + 1 + 1))^{1+1+1})^{1+1}) \\
&:= 2 + ((2 + 2 + 2)^2 \times (222 - 2 - 2)) \\
&:= 3 + (((3^3 - 3) \times (333 - (3 + 3))) - 3/3) \\
&:= (44 - 4)/4 + ((4 + 4) \times (4 \times 4^4 - 44)) \\
&:= 5 \times ((5 \times (5^5 + 5) / (5 + 5)) + 5) \\
&:= 6 + (((6^{6-6/6}) + ((6 + 6)/6)) + 66) \\
&:= 7 + ((7777 - (77/7)) + 77) \\
&:= 8 + (((88 \times 88 + ((8 + 8)/8)) + 88) + 8) \\
&:= (9 + 9)/9 + ((9 \times (9 \times 99 - (9 + 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7851 &:= 1 + ((11 - 1) \times (1 + ((1 + (1 + 1 + 1))^{1+1+1})^{1+1})) \\
&:= 222/2 + (2 \times ((2 \times (2 \times 22)^2) - 2)) \\
&:= 3 + ((3^3 - 3) \times (333 - (3 + 3))) \\
&:= 44/4 + ((4 + 4) \times (4 \times 4^4 - 44)) \\
&:= (5/5 + 5)^5 + (5 \times (5 + 5 + 5)) \\
&:= 666/6 + (6 \times (6 \times 6 \times 6 - 6)) \\
&:= 77 + (7777 - ((7 + 7 + 7)/7)) \\
&:= 8 + ((88 \times 88 + (88/8)) + 88) \\
&:= 9 \times 9 + (999/9 \times (9 \times 9 - 99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7852 &:= (1 + 1 + 11) \times (11 \times (111 - 1) / (1 + 1) - 1) \\
&:= 2 + (((2 + 2 + 2)^2 \times (222 - 2 - 2)) + 2) \\
&:= 3 + (((3^3 - 3) \times (333 - (3 + 3))) + 3/3) \\
&:= 44 + (4 \times (44 \times 44 + 4 \times 4)) \\
&:= 5/5 + ((5/5 + 5)^5 + (5 \times (5 + 5 + 5))) \\
&:= 6 + (((6^{6-6/6}) + ((6 + 6)/6)^6) + 6) \\
&:= 77 + (7777 - ((7 + 7)/7)) \\
&:= 8 + ((88 \times 88 + ((88 + 8)/8)) + 88) \\
&:= 9 + (((99 - (99/9))^{(9+9)/9}) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7853 &:= ((1 + ((1 + 1) \times (1 + 1 + 1))) \times (11 + 1111)) - 1 \\
&:= 222/2 + ((2 \times 2 \times 22)^2 - 2) \\
&:= 3^{3+3} + ((33 \times (3 + 3)^3) - (3/3 + 3)) \\
&:= 44 + ((4 \times (44 \times 44 + 4 \times 4)) + 4/4) \\
&:= 55 + ((55 + 55)/5 + (5/5 + 5)^5) \\
&:= 66 + (((6^{6-6/6}) + (66/6)) \\
&:= 77 + (7777 - 7/7) \\
&:= 88 \times 88 + ((888 - 8 - 8)/8) \\
&:= ((9 - 9 \times 9) / (9 + 9)) + (9 \times (9 \times 99 - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7854 &:= (1 + ((1 + 1) \times (1 + 1 + 1))) \times (11 + 1111) \\
&:= 22 + (2 \times (2 \times ((2 \times 22)^2 + 22))) \\
&:= 33 \times (((3^{3+3} + 3)/3) - (3 + 3)) \\
&:= (444 - 4)/4 + (4 \times 44 \times 44) \\
&:= 5 + ((5 \times ((5 \times (5^5 + 5) / (5 + 5)) + 5)) - 5/5) \\
&:= 6 + (((6^{6-6/6}) + 66) + 6) \\
&:= 77 + 7777 \\
&:= 88 \times 88 + (888 - 8)/8 \\
&:= (9 \times (9 \times 99 - (9 + 9))) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7855 &:= 111 + ((11 \times (1 + 1))^{1+1+1})^{1+1} \\
&:= 222/2 + (2 \times 2 \times 22)^2 \\
&:= 3/3 + (((33 \times (3 + 3)^3) - 3) + 3^{3+3}) \\
&:= 444/4 + (4 \times 44 \times 44) \\
&:= 5 + (5 \times ((5 \times (5^5 + 5) / (5 + 5)) + 5)) \\
&:= 6 + (((6^{6-6/6}) + 66) + 6/6) + 6) \\
&:= 7/7 + (7777 + 77) \\
&:= 888/8 + 88 \times 88 \\
&:= (9 \times (9 \times 99 - (9 + 9))) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7856 &:= 1 + (111 + ((11 \times (1 + 1))^{1+1+1})^{1+1}) \\
&:= (2 \times 2 \times 22)^2 + (222 + 2)/2 \\
&:= 3^{3+3} + ((33 \times (3 + 3)^3) - 3/3) \\
&:= 4 \times (((4 + 4) \times (4^4 - 44/4)) + 4) \\
&:= 5 \times 5 + ((5/5 + 5)^5 + 55) \\
&:= ((6 + 6) \times (666 - 6)) - ((6 + 6)/6)^6 \\
&:= 77 + (7777 + ((7 + 7)/7)) \\
&:= 8 + (((88 \times 88 + 88) + 8) + 8) \\
&:= (9 \times (9 \times 99 - (9 + 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7857 &:= 1 + (1 + (111 + ((11 \times (1 + 1))^{1+1+1})^{1+1})) \\
&:= 2 + ((2 \times 2 \times 22)^2 + 222/2) \\
&:= 3^3 \times (3 \times (3 \times 33 - 3) + 3) \\
&:= ((4 - 4^4)/4) + (44 \times (4 \times 44 + 4)) \\
&:= 5 \times 5 + (((5/5 + 5)^5 + 55) + 5/5) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 - 6)) + 666/6) \\
&:= 77 + (7777 + ((7 + 7 + 7)/7)) \\
&:= ((8/8 + 88)^{(8+8)/8}) - 8 \times 8 \\
&:= 9 \times (9 \times 99 - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7858 &:= ((1 + 1)^{1+1+11}) - (1 + (1 + 1 + 1) \times 111) \\
&:= ((2 \times 2 \times 22 + 2)^2) - 22^2/2 \\
&:= 3/3 + ((33 \times (3 + 3)^3) + 3^{3+3}) \\
&:= 4 + ((444 - 4)/4 + (4 \times 44 \times 44)) \\
&:= 5 \times 5 + (((5/5 + 5)^5 + ((5 + 5)/5)) + 55) \\
&:= 6 + (((6^{6-6/6}) + ((6 + 6)/6)^6) + 6) + 6) \\
&:= 77 + ((7777 - 7) + (77/7)) \\
&:= 8/8 + (((8/8 + 88)^{(8+8)/8}) - 8 \times 8) \\
&:= 9/9 + (9 \times (9 \times 99 - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7859 &:= ((1 + 1)^{1+1+11}) - (1 + 1 + 1) \times 111 \\
&:= 2 + (((2 \times 2 \times 22)^2 + 222/2) + 2) \\
&:= 3 + (((33 \times (3 + 3)^3) - 3/3) + 3^{3+3}) \\
&:= 4 + ((4 \times 44 \times 44) + 444/4) \\
&:= (5 \times 5 - 5/5 + 5) \times ((5 \times 55 - 5) + 5/5) \\
&:= 6 + (((6^{6-6/6}) + (66/6)) + 66) \\
&:= 7 + ((7777 - ((7 + 7)/7)) + 77) \\
&:= 8 + (((88 \times 88 + (88/8)) + 88) + 8) \\
&:= (9 + 9)/9 + (9 \times (9 \times 99 - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7860 &:= 1 + (((1 + 1))^{1+1+11}) - (1 + 1 + 1) \times 111 \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) - 22^2/2) \\
&:= 3 + ((33 \times (3 + 3)^3) + 3^{3+3}) \\
&:= 4 + (((4 + 4) \times (4 \times 4^4 - 44)) + 4 \times 4) \\
&:= (55 + 5) \times ((5 \times 5 \times 5 + 5/5) + 5) \\
&:= (6 + 6) \times (666 - 66/6) \\
&:= 7 + ((7777 - 7/7) + 77) \\
&:= 8 \times (8 + 8) + (88 \times 88 - ((88 + 8)/8)) \\
&:= ((9 + 9 + 9)/9) + (9 \times (9 \times 99 - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7861 &:= (1 + ((1 + 1) \times (1 + 1 + 1))) \times (1 + (11 + 1111)) \\
&:= (22/2)^2 + (2 \times ((2 \times (2 \times 22)^2) - 2)) \\
&:= 3 + (((33 \times (3 + 3)^3) + 3^{3+3}) + 3/3) \\
&:= 4 + ((44 \times (4 \times 44 + 4)) + ((4 - 4^4)/4)) \\
&:= 5 + (((5/5 + 5)^5 + 55) + 5 \times 5) \\
&:= 6/6 + ((6 + 6) \times (666 - 66/6)) \\
&:= 7 + (7777 + 77) \\
&:= 8 \times (8 + 8) + (88 \times 88 - (88/8)) \\
&:= ((9 \times 9 - 9) / (9 + 9)) + (9 \times (9 \times 99 - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7862 &:= ((1 + 1)^{1+1+11}) - ((1 + 1 + 1) \times (111 - 1)) \\
&:= 22 + (2 \times (2 \times ((2 \times 22)^2 + 22) + 2)) \\
&:= (33/3)^3 + ((3 \times (3 \times (3^{3+3} - 3))) - 3) \\
&:= 4 + (((444 - 4)/4 + (4 \times 44 \times 44)) + 4) \\
&:= 555/5 + ((5/5 + 5)^5 - 5 \times 5) \\
&:= 6 + (((6 + 6) \times (666 - 6)) - ((6 + 6)/6)^6) \\
&:= 7 + ((7777 + 77) + 7/7) \\
&:= 8 + ((888 - 8)/8 + 88 \times 88) \\
&:= 9 \times 999 - ((9999/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7863 &:= 1 + (((1+1)^{1+1+11}) - ((1+1+1) \times (111-1))) \\
&:= (22/2)^2 + ((2 \times 2 \times 22)^2 - 2) \\
&:= 3 + (((33 \times (3+3)^3) + 3^{3+3}) + 3) \\
&:= 4 + (((4 \times 44 \times 44) + 444/4) + 4) \\
&:= 55 + ((5/5+5)^5 + ((5+5)/5)^5) \\
&:= 6 + (((6 \times (6 \times 6 \times 6 \times 6 - 6)) + 666/6) + 6) \\
&:= 7 + ((7777 + ((7+7)/7)) + 77) \\
&:= 8 + (888/8 + 88 \times 88) \\
&:= 9 + ((9 \times (9 \times 99 - (9+9))) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7864 &:= (11 \times (11 \times (1 + ((1+1)^{(1+1) \times (1+1+1)})))) - 1 \\
&:= 2 \times (2 \times ((2 \times (2 \times (22^2 + 2))) + 22)) \\
&:= 3 + (((33 \times (3+3)^3) + 3^{3+3}) + 3/3 + 3) \\
&:= 4 \times (4 \times 4444/(4+4) - 4^4) \\
&:= (55 \times (5 \times (5 \times 5 + 5) - 5)) - 555/5 \\
&:= 66 + (((66+66)/6) + (6^{6-6/6})) \\
&:= 77 + (7777 + ((77-7)/7)) \\
&:= 8 \times (8+8) + (88 \times 88 - 8) \\
&:= 9 + ((9 \times (9 \times 99 - (9+9))) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7865 &:= 11 \times (11 \times (1 + ((1+1)^{(1+1) \times (1+1+1)}))) \\
&:= (22/2)^2 + (2 \times 2 \times 22)^2 \\
&:= 33/3 \times (3^{3+3} - (33/3 + 3)) \\
&:= 44/4 \times 4 \times 4 \times 44 + 44/4 \\
&:= 5 + ((55+5) \times ((5 \times 5 \times 5 + 5/5) + 5)) \\
&:= 66/6 \times ((66/6) \times (66 - 6/6)) \\
&:= 77 + (7777 + (77/7)) \\
&:= 88/8 \times (88/8 + 8 \times 88) \\
&:= 9 + ((9 \times (9 \times 99 - (9+9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7866 &:= 1 + (11 \times (11 \times (1 + ((1+1)^{(1+1) \times (1+1+1)})))) \\
&:= (2 \times 22 + 2) \times (((22/2 + 2)^2) + 2) \\
&:= (3+3) \times (((3+3) \times ((3+3)^3 + 3)) - 3) \\
&:= (4 \times 44 \times 44) + (444 + 44)/4 \\
&:= 5 + (((5/5+5)^5 + 55) + 5 \times 5) + 5) \\
&:= 6 + ((6+6) \times (666 - 66/6)) \\
&:= 77 + (7777 + (77+7)/7) \\
&:= 88 \times 88 + ((888+88)/8) \\
&:= 9 + (9 \times (9 \times 99 - (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7867 &:= (1+1)^{11} + (11 \times (1+11+11)^{1+1}) \\
&:= 2 + ((2 \times 2 \times 22)^2 + (22/2)^2) \\
&:= 3/3 + ((3+3) \times (((3+3) \times ((3+3)^3 + 3)) - 3)) \\
&:= 4^4 + ((44 - 4/4) \times (4 \times 44 + 4/4)) \\
&:= 5 + (((5/5+5)^5 - 5 \times 5) + 555/5) \\
&:= 6 + (((6+6) \times (666 - 66/6)) + 6/6) \\
&:= 7 + (((7777 - 7/7) + 77) + 7) \\
&:= 88 \times 88 + (((888+88) + 8)/8) \\
&:= 9 + ((9 \times (9 \times 99 - (9+9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7868 &:= (((1+1) \times (11-1))^{1+1+1}) - (11 \times (1+11)) \\
&:= (2^{22/2+2}) - ((2^{2+2} + 2)^2) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} - 3))) + (33/3)^3) \\
&:= 4 \times (4^4 \times (4+4) - (4 - 4/4)^4) \\
&:= 5 + (((5/5+5)^5 + ((5+5)/5)^5) + 55) \\
&:= (6/6+6) \times (((6666+6)/6+6) + 6) \\
&:= 7 + (7777 + 77 + 7) \\
&:= 8 \times (8+8) + (88 \times 88 - 8 \times 8/(8+8)) \\
&:= 99/9 + (9 \times (9 \times 99 - (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7869 &:= 1 + (((1+1) \times (11-1))^{1+1+1}) - (11 \times (1+11)) \\
&:= 2 + (((2 \times 2 \times 22)^2 + (22/2)^2) + 2) \\
&:= 3 + ((3+3) \times (((3+3) \times ((3+3)^3 + 3)) - 3)) \\
&:= 4 + (44/4 \times 4 \times 4 \times 44 + 44/4) \\
&:= 5 \times 5 \times 5 + ((5/5+5)^5 - ((5+5)/5)^5) \\
&:= 666/6 + ((6^{6-6/6}) - (6+6+6)) \\
&:= 7 + (((7777+77) + 7/7) + 7) \\
&:= 8 + ((88 \times 88 - (88/8)) + 8 \times (8+8)) \\
&:= (99+9)/9 + (9 \times (9 \times 99 - (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7870 &:= (111 \times (((1+11)^{1+1}/(1+1)) - 1)) - 11 \\
&:= (2^{2+2} \times (2 \times (2+2) + 22^2)) - 2 \\
&:= ((33+3) \times ((3+3)^3 + 3)) - (33/3 + 3) \\
&:= (444 - 4)/4 + (4 \times (44 \times 44 + 4)) \\
&:= 5 \times (((5-5/5)^5 - 5) + 555) \\
&:= 6 \times 6 + (((6^{6-6/6}) - 6) + ((6+6)/6)^6) \\
&:= 7 + (((7777 + ((7+7)/7)) + 77) + 7) \\
&:= 8 \times (8+8) + (88 \times 88 - ((8+8)/8)) \\
&:= 9 \times 999 - ((9999+9)/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7871 &:= 1 + ((111 \times (((1+11)^{1+1}/(1+1)) - 1)) - 11) \\
&:= (2 \times 2 \times 22)^2 + ((2^{2 \times (2+2)} - 2)/2) \\
&:= ((33 - 3/3) \times (3 \times 3 \times 3^3 + 3)) - 3/3 \\
&:= 444/4 + (4 \times (44 \times 44 + 4)) \\
&:= 5 \times (5 \times 5 - 5) + ((5/5+5)^5 - 5) \\
&:= 6 + ((66/6) \times ((66/6) \times (66 - 6/6))) \\
&:= 7 + ((7777 + ((77-7)/7)) + 77) \\
&:= 8 \times (8+8) + (88 \times 88 - 8/8) \\
&:= 9 \times 999 - (9999/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7872 &:= ((1+11)^{1+1+1}) + ((1+1+1) \times (1+1)^{11}) \\
&:= 2^{2+2} \times (2 \times (2+2) + 22^2) \\
&:= (33 - 3/3) \times (3 \times 3 \times 3^3 + 3) \\
&:= 4 \times (44 \times 44 + 4 \times (4+4)) \\
&:= 5/5 + (((5/5+5)^5 - 5 \times 5) + 5 \times (5 \times 5 - 5)) \\
&:= 6 \times 6 + (((6^{6-6/6}) - 6) + 66) \\
&:= 7 + ((7777 + (77/7)) + 77) \\
&:= 8 \times ((888+88) + 8) \\
&:= (9/9+9 \times 9) \times (99 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7873 &:= 1 + (((1+11)^{1+1+1}) + ((1+1+1) \times (1+1)^{11})) \\
&:= 2/2 + (2^{2+2} \times (2 \times (2+2) + 22^2)) \\
&:= ((33+3) \times ((3+3)^3 + 3)) - 33/3 \\
&:= 4/4 + (4 \times (44 \times 44 + 4 \times (4+4))) \\
&:= (5 \times (5 \times ((5 \times 5 + 5^5)/(5+5))) - (5+5)/5) \\
&:= 6 \times 6 + (((6^{6-6/6}) - 6) + 66) + 6/6) \\
&:= 7 \times (7+7) + (7777 - ((7+7)/7)) \\
&:= 8/8 + (88 \times 88 + 8 \times (8+8)) \\
&:= 9 + (((9 \times (9 \times 99 - (9+9))) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7874 &:= ((1+1) \times ((1+1+1) \times 11^{1+1+1})) - (1+111) \\
&:= 2 + (2^{2+2} \times (2 \times (2+2) + 22^2)) \\
&:= 3 \times 33 + (((3+3)^3 - 3^{3/3+3}) - 3/3) \\
&:= ((4+4)/4 - 4^4) \times (4/4 - 4 \times (4+4)) \\
&:= (5-5/5)^5 + (5 \times (5 \times 5 + 55 - 5)) \\
&:= (6^{6-6/6}) + (((666-6)/6) - (6+6)) \\
&:= 7 \times (7+7) + (7777 - 7/7) \\
&:= 8 \times (8+8) + (88 \times 88 + ((8+8)/8)) \\
&:= 9 + (((9 \times (9 \times 99 - (9+9))) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7875 &:= ((1+1) \times ((1+1+1) \times 11^{1+1+1})) - 111 \\
&:= ((2 \times 2 \times 22 + 2/2)^2) - (2 \times 22 + 2) \\
&:= 3 \times ((3^3 \times (3 \times 33 - 3)) + 33) \\
&:= (44 + 4/4) \times (4 \times 44 - 4/4) \\
&:= 5 \times (5 \times ((5 \times 5 + 5^5)/(5+5))) \\
&:= 666/6 + ((6^{6-6/6}) - (6+6)) \\
&:= 7 \times (7+7) + 7777 \\
&:= 8 \times (8+8) + ((88 \times 88 - 8) + (88/8)) \\
&:= 9 + ((9 \times (9 \times 99 - (9+9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7876 &:= 11 \times ((1+1)^{11} - 1 - 11^{1+1+1}) \\
&:= 2 \times ((2 \times ((2 \times 22)^2 + 22)) + 22) \\
&:= 3 + (((33+3) \times ((3+3)^3 + 3)) - 33/3) \\
&:= 44 \times ((4 \times 44 - 4/4) + 4) \\
&:= 5 \times (5 \times 5 - 5) + (5/5+5)^5 \\
&:= 6 \times 6 + ((6^{6-6/6}) + ((6+6)/6)^6) \\
&:= 7/7 + (7777 + 7 \times (7+7)) \\
&:= 88/8 \times (((88+8)/8) + 8 \times 88) \\
&:= 9 + (((9 \times (9 \times 99 - (9+9))) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7877 &:= 11 \times ((1+1)^{11} - 1 - 11^{1+1+1}) + 1 \\
&:= ((2 \times 2 \times 22 + 2/2)^2) - (2 \times 22) \\
&:= (3 \times (3+3))^3 + ((3-3/3)^{33/3} - 3) \\
&:= 4/4 + (44 \times ((4 \times 44 - 4/4) + 4)) \\
&:= 5/5 + (5 \times (5 \times 5 - 5) + (5/5+5)^5) \\
&:= 6 \times 6 + (((6^{6-6/6}) - 6/6) + 66) \\
&:= (7+7)/7 + (7777 + 7 \times (7+7)) \\
&:= 88 \times 88 + ((8-8/8) \times (88/8+8)) \\
&:= 9 + ((9 \times (9 \times 99 - (9+9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7878 &:= (1+1+11) \times (1+11 \times ((111-1)/(1+1))) \\
&:= ((2 \times 2 \times 22 + 2)^2) - 222 \\
&:= (3+3) \times ((33/3)^3 - (3 \times (3+3))) \\
&:= 4 + (((4+4)/4 - 4^4) \times (4/4 - 4 \times (4+4))) \\
&:= (5+5)/5 + (5 \times (5 \times 5 - 5) + (5/5 + 5)^5) \\
&:= 6 \times 6 + ((6^{6-6/6}) + 66) \\
&:= 7777 + (7777/77) \\
&:= 8 + ((88 \times 88 - ((8+8)/8)) + 8 \times (8+8)) \\
&:= 9 + ((9 \times (9 \times 99 - (9+9))) + (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7879 &:= (((1+1) \times (11-1))^{1+1+1}) - 11^{1+1} \\
&:= (22-2)^{2/2+2} - (22/2)^2 \\
&:= 3/3 + ((3+3) \times ((33/3)^3 - (3 \times (3+3)))) \\
&:= 4 + ((44+4/4) \times (4 \times 44 - 4/4)) \\
&:= 5 + ((5 \times (5 \times 5 \times 55 - 5)) + (5 - 5/5)^5) \\
&:= 6 \times 6 + (((6^{6-6/6}) + 66) + 6/6) \\
&:= 7 + (((7777 + (77/7)) + 77) + 7) \\
&:= 8 + ((88 \times 88 - 8/8) + 8 \times (8+8)) \\
&:= 9 \times 999 - (9999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7880 &:= (111 \times (((1+11)^{1+1}/(1+1)) - 1)) - 1 \\
&:= 22^2 + ((2 \times 2 \times 22 - 2)^2) \\
&:= (3 \times (3+3))^3 + (3 - 3/3)^{33/3} \\
&:= 4 + (44 \times ((4 \times 44 - 4/4) + 4)) \\
&:= 5 + (5 \times (5 \times (5 \times 5 + 5^5)/(5+5))) \\
&:= (6^{6-6/6}) + (((666-6)/6) - 6) \\
&:= 7777 + ((777-7)/7 - 7) \\
&:= 8 + (88 \times 88 + 8 \times (8+8)) \\
&:= 9 \times 999 - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7881 &:= 111 \times (((1+11)^{1+1}/(1+1)) - 1) \\
&:= 2 + ((22-2)^{2/2+2} - (22/2)^2) \\
&:= ((33+3) \times ((3+3)^3 + 3)) - 3 \\
&:= 444/4 \times (((4^4-4)/4) + 4) + 4 \\
&:= 5 + (5 \times (5 \times 5 - 5) + (5/5 + 5)^5) \\
&:= 666/6 + ((6^{6-6/6}) - 6) \\
&:= 777/7 + (7777 - 7) \\
&:= 888/8 \times ((8 \times 8 - 8/8) + 8) \\
&:= 999/9 \times (9 \times 9 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7882 &:= 1 + (111 \times (((1+11)^{1+1}/(1+1)) - 1)) \\
&:= 2 + (((2 \times 2 \times 22 - 2)^2) + 22^2) \\
&:= 3/3 + (((33+3) \times ((3+3)^3 + 3)) - 3) \\
&:= 4 + (((4+4)/4 - 4^4) \times (4/4 - 4 \times (4+4))) + 4 \\
&:= 555/5 + ((5/5 + 5)^5 - 5) \\
&:= (6^{6-6/6}) + (((666+6)/6) - 6) \\
&:= 7 + (7777 + 7 \times (7+7)) \\
&:= 8 + ((88 \times 88 + 8 \times (8+8)) + ((8+8)/8)) \\
&:= 9/9 + (999/9 \times (9 \times 9 - (9/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7883 &:= 1 + (1 + (111 \times (((1+11)^{1+1}/(1+1)) - 1))) \\
&:= 2 + (((22-2)^{2/2+2} - (22/2)^2) + 2) \\
&:= ((33+3) \times ((3+3)^3 + 3)) - 3/3 \\
&:= 4 + (((44+4/4) \times (4 \times 44 - 4/4)) + 4) \\
&:= (5/5 + 5)^5 + ((555+5)/5 - 5) \\
&:= 6 \times (6+6+6) + ((6^{6-6/6}) - 6/6) \\
&:= 7 + ((7777 + 7 \times (7+7)) + 7/7) \\
&:= 8 \times (8+8) + (88 \times 88 + (88/8)) \\
&:= (((9+9)/9)^9) + (9 \times (9 \times (9 \times 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7884 &:= (1+1+1) \times ((1+11) \times (((1+1) \times (111-1)) - 1)) \\
&:= (2^{2+2} + 2) \times (2 \times (222-2) - 2) \\
&:= (33+3) \times ((3+3)^3 + 3) \\
&:= 44 + ((4+4) \times (4 \times 4^4 - 44)) \\
&:= 55 + (((5/5+5)^5 - ((5+5)/5)) + 55) \\
&:= 6 \times (((6 \times 6 \times 6 \times 6 + 6) + 6) + 6) \\
&:= 7 + ((7777 + 7 \times (7+7)) + ((7+7)/7)) \\
&:= (8/8+8) \times (888 - ((88+8)/8)) \\
&:= (99+9) \times ((9/9-9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7885 &:= (11 \times ((1+11)^{1+1} - 11^{1+1+1})) - 1 - 1 \\
&:= ((2 \times 2 \times 22 + 2/2)^2) - (2+2+2)^2 \\
&:= 3/3 + ((33+3) \times ((3+3)^3 + 3)) \\
&:= 4 + (444/4 \times (((4^4-4)/4) + 4) + 4) \\
&:= 5 + ((5 \times (5 \times (5 \times 5 + 5^5)/(5+5))) + 5) \\
&:= 6/6 + (6 \times (6+6+6) + (6^{6-6/6})) \\
&:= 7 + ((7777/77) + 7777) \\
&:= ((8/8+8) \times (888 - 88/8)) - 8 \\
&:= 9/9 + ((99+9) \times ((9/9-9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7886 &:= (11 \times ((1+11)^{1+1} - 11^{1+1+1})) - 1 \\
&:= 2 + ((2^{2+2} + 2) \times (2 \times (222-2) - 2)) \\
&:= 3 + (((33+3) \times ((3+3)^3 + 3)) - 3/3) \\
&:= (4 \times ((4+4) \times (4^4-4) - 44)) - (4+4)/4 \\
&:= 55 + ((5/5+5)^5 + 55) \\
&:= (6^{6-6/6}) + (666-6)/6 \\
&:= 77/7 + (7777 + 7 \times (7+7)) \\
&:= ((8/8+8) \times (888 - ((8+8)/8))) - 88 \\
&:= 9 + (((9 \times (9 \times 99 - (9+9))) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7887 &:= 11 \times ((1+11)^{1+1} - 11^{1+1+1}) \\
&:= 22 + ((2 \times 2 \times 22)^2 + (22/2)^2) \\
&:= 3 + ((33+3) \times ((3+3)^3 + 3)) \\
&:= (4 \times ((4+4) \times (4^4-4) - 44)) - 4/4 \\
&:= 555/5 + (5/5 + 5)^5 \\
&:= 666/6 + (6^{6-6/6}) \\
&:= 7777 + (777-7)/7 \\
&:= 8 + (((88 \times 88 - 8/8) + 8 \times (8+8)) + 8) \\
&:= 99/9 \times (9 \times 9 \times 9 - (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7888 &:= 1 + (11 \times ((1+11)^{1+1} - 11^{1+1+1})) \\
&:= 2 \times (2 \times ((2 \times 22)^2 + (2+2+2)^2)) \\
&:= 3 + (((33+3) \times ((3+3)^3 + 3)) + 3/3) \\
&:= 4 \times ((4+4) \times (4^4-4) - 44) \\
&:= (5/5 + 5)^5 + (555+5)/5 \\
&:= (6^{6-6/6}) + (666+6)/6 \\
&:= 777/7 + 7777 \\
&:= 8 + ((88 \times 88 + 8 \times (8+8)) + 8) \\
&:= 9 + (9 \times 999 - (9999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7889 &:= (((1+1) \times (11-1))^{1+1+1}) - 111 \\
&:= (22-2)^{2/2+2} - 222/2 \\
&:= (33/3)^3 + ((3 \times 3 \times 3^{3+3}) - 3) \\
&:= 4/4 + (4 \times ((4+4) \times (4^4-4) - 44)) \\
&:= (5/5 + 5)^5 + (555+5+5)/5 \\
&:= (6^{6-6/6}) + (((666+6) + 6)/6) \\
&:= 7 \times (77 \times (7+7) + 7 \times 7) \\
&:= 8 + (888/8 \times ((8 \times 8 - 8/8) + 8)) \\
&:= 9 + (9 \times 999 - 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7890 &:= 1 + (((1+1) \times (11-1))^{1+1+1}) - 111 \\
&:= 2 + (((2 \times (2+2+2))^2) + (2 \times 2 \times 22)^2) \\
&:= 3 + (((33+3) \times ((3+3)^3 + 3)) + 3) \\
&:= (4+4)/4 + (4 \times ((4+4) \times (4^4-4) - 44)) \\
&:= (5 \times ((5-5/5)^5 + 555)) - 5 \\
&:= 6 + (6 \times (6+6+6) + (6^{6-6/6})) \\
&:= 7/7 + (7 \times (77 \times (7+7) + 7 \times 7)) \\
&:= 8 + (((88 \times 88 + 8 \times (8+8)) + ((8+8)/8)) + 8) \\
&:= 9 + (999/9 \times (9 \times 9 - (9/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7891 &:= 1 + (1 + (((1+1) \times (11-1))^{1+1+1}) - 111) \\
&:= 2 + ((22-2)^{2/2+2} - 222/2) \\
&:= 3 + (((33+3) \times ((3+3)^3 + 3)) + 3/3 + 3) \\
&:= 4 + ((4 \times ((4+4) \times (4^4-4) - 44)) - 4/4) \\
&:= 5 + (((5/5+5)^5 + 55) + 55) \\
&:= 6 + ((6 \times (6+6+6) + (6^{6-6/6})) + 6/6) \\
&:= (7+7)/7 + (7 \times (77 \times (7+7) + 7 \times 7)) \\
&:= 8 + ((88 \times 88 + 8 \times (8+8)) + (88/8)) \\
&:= ((9/9+99) \times (9 \times 9 - ((9+9)/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7892 &:= 11 + (111 \times (((1+11)^{1+1}/(1+1)) - 1)) \\
&:= 2 \times ((2 \times (2 \times 22)^2 + (2+2+2)^2) + 2) \\
&:= (33/3)^3 + (3 \times 3 \times 3^{3+3}) \\
&:= 4 + (4 \times ((4+4) \times (4^4-4) - 44)) \\
&:= 5 + (555/5 + (5/5 + 5)^5) \\
&:= 6 + (((666-6)/6) + (6^{6-6/6})) \\
&:= 77 + ((7777 - (77/7)) + 7 \times 7) \\
&:= 8 + ((8/8+8) \times (888 - ((88+8)/8))) \\
&:= 999 \times (9 - 9/9) - (9/9 + 99)
\end{aligned}$$

- ▶ **7893** := $1 + (11 + (111 \times (((1 + 11)^{1+1} / (1 + 1)) - 1)))$
:= $2 + (((22 - 2)^{2/2+2} - 222/2) + 2)$
:= $3 \times (((3 \times 3 + 3) \times ((3 + 3)^3 + 3)) + 3)$
:= $4 + ((4 \times ((4 + 4) \times (4^4 - 4) - 44)) + 4/4)$
:= $5 + ((555 + 5)/5 + (5/5 + 5)^5)$
:= $6 + (666/6 + (6^{6-6/6}))$
:= $7 + ((7777 + 7 \times (7 + 7)) + (77/7))$
:= $(8/8 + 8) \times (888 - 88/8)$
:= $999 \times (9 - 9/9) - 99$
- ▶ **7898** := $11 \times ((11 - 1 - 1)^{1+1+1} - 11)$
:= $22 \times (((22 - (2/2 + 2))^2) - 2)$
:= $33/3 \times (3^{3+3} - 33/3)$
:= $44/4 \times ((4 \times (4 \times 44 + 4)) - (4 + 4)/4)$
:= $(5/5 + 5)^5 + ((555 + 55)/5)$
:= $(6^{6-6/6}) + ((666 + 66)/6)$
:= $7777 + (((7 + 7)/7)^7 - 7)$
:= $8 \times 8 + ((88 \times 88 + ((8 + 8)/8)) + 88)$
:= $99/9 \times (9 \times 9 \times 9 - (99/9))$
- ▶ **7903** := $((1 + 1) \times (((1 + 1)^{1+11}) - (1 + 11)^{1+1})) - 1$
:= $2 + (((2 \times 2 \times 22 + 2/2)^2) - 22) + 2$
:= $3/3 + ((3 + 3) \times (((3 + 3) \times ((3 + 3)^3 + 3)) + 3))$
:= $(44 \times (4 \times 44 + 4)) - (4 \times 4 + 4/4)$
:= $5 \times 5 \times 5 + ((5/5 + 5)^5 + ((5 + 5)/5))$
:= $((6 + 6) \times (666 - 6)) - (66/6 + 6)$
:= $77 + (7777 + 7 \times 7)$
:= $((8/8 + 8) \times 888) - (8/8 + 88)$
:= $9/9 + (9 \times 9 \times 99 - (99 + 9 + 9))$
- ▶ **7894** := $(1 + 1) \times (((1 + 11) \times (((1 + 1 + 1) \times (111 - 1)) - 1)) - 1)$
:= $2 \times (((2^{2+2+2} - 2/2)^2) - 22)$
:= $3 \times 3 + (((33 + 3) \times ((3 + 3)^3 + 3)) + 3/3)$
:= $4 + ((4 \times ((4 + 4) \times (4^4 - 4) - 44)) + (4 + 4)/4)$
:= $(5 - 5/5)^5 + (5 \times 5 \times 5 \times 55 - 5)$
:= $6 + ((666 + 6)/6 + (6^{6-6/6}))$
:= $7 + ((777 - 7)/7 + 7777)$
:= $8/8 + ((8/8 + 8) \times (888 - 88/8))$
:= $9/9 + (999 \times (9 - 9/9) - 99)$
- ▶ **7899** := $1 + (11 \times ((11 - 1 - 1)^{1+1+1} - 11))$
:= $((2 \times 2 \times 22 + 2/2)^2) - 22$
:= $(3 \times (33/3 + 3)^3) - 333$
:= $4 \times 4^4 + (44/4 \times (4/4 + 4)^4)$
:= $(5 - 5/5)^5 + 5 \times 5 \times 5 \times 55$
:= $6 + ((666/6 + (6^{6-6/6})) + 6)$
:= $7777 + (777 + 77)/7$
:= $8 + (((88 \times 88 + 8 \times (8 + 8)) + (88/8)) + 8)$
:= $9 \times 9 \times 99 - (999/9 + 9)$
- ▶ **7904** := $(1 + 1) \times (((1 + 1)^{1+11}) - (1 + 11)^{1+1})$
:= $2 \times (2 \times ((2 \times 22)^2 + 2 \times (22 - 2)))$
:= $3 + (((33/3 + 3 \times 3)^3) - 3 \times 33)$
:= $4 \times ((44 \times 44 - 4) + 44)$
:= $5 + (5 \times 5 \times 5 \times 55 + (5 - 5/5)^5)$
:= $(6^{6-6/6}) + (((6 + 6)/6)^{6/6+6})$
:= $(7/7 - 77) \times (7 - 777/7)$
:= $((8/8 + 8) \times 888) - 88$
:= $(9 - 9/9) \times (999 - (99/9))$
- ▶ **7895** := $111 + ((1 + 1111) \times (1 + ((1 + 1) \times (1 + 1 + 1))))$
:= $((2 \times 2 \times 22 + 2/2)^2) - 22 - 2 - 2$
:= $3 + ((3 \times 3 \times 3^{3+3}) + (33/3)^3)$
:= $4 \times 4^4 + ((44/4 \times (4/4 + 4)^4) - 4)$
:= $5 \times ((5 - 5/5)^5 + 555)$
:= $6 + (((666 + 6) + 6)/6 + (6^{6-6/6}))$
:= $7 + (777/7 + 7777)$
:= $8 \times 8 + ((88 \times 88 - 8/8) + 88)$
:= $((9 - 9/9) \times (999 - (99/9))) - 9$
- ▶ **7900** := $1 + (1 + (11 \times ((11 - 1 - 1)^{1+1+1} - 11)))$
:= $2 + (22 \times (((22 - (2/2 + 2))^2) - 2))$
:= $3/3 + ((3 \times (33/3 + 3)^3) - 333)$
:= $(44 \times (4 \times 44 + 4)) - 4 \times 4 - 4$
:= $5 + (5 \times ((5 - 5/5)^5 + 555))$
:= $6 + (((666 + 6)/6 + (6^{6-6/6})) + 6)$
:= $77/7 + (7 \times (77 \times (7 + 7) + 7 \times 7))$
:= $((8/8 - 88) + 8) \times ((88 - 888)/8)$
:= $(9/9 + 99) \times (9 \times 9 - ((9 + 9)/9))$
- ▶ **7905** := $1 + ((1 + 1) \times (((1 + 1)^{1+11}) - (1 + 11)^{1+1}))$
:= $((2 \times 2 \times 22 + 2/2)^2) - 2^{2+2}$
:= $((3 + 3) \times (33/3)^3) - 3 \times 3^3$
:= $(4^4 - 4/4) \times (4 \times (4 + 4) - 4/4)$
:= $5 + ((5 \times ((5 - 5/5)^5 + 555)) + 5)$
:= $6 + (((666/6 + (6^{6-6/6})) + 6) + 6)$
:= $7777 + ((7 + 7)/7)^7$
:= $((8/8 + 88)^{(8+8)/8}) - 8 - 8$
:= $9 + ((9 - 9/9) \times (999 - (99 + 9)/9))$
- ▶ **7896** := $(1 + 1) \times ((1 + 11) \times (((1 + 1 + 1) \times (111 - 1)) - 1))$
:= $(22 \times (((22 - (2/2 + 2))^2) - 2)) - 2$
:= $(3^3 - 3) \times (333 - (3/3 + 3))$
:= $4 + ((4 \times ((4 + 4) \times (4^4 - 4) - 44)) + 4)$
:= $5 \times 5 \times 5 + ((5/5 + 5)^5 - 5)$
:= $(6 + 6) \times (666 - ((6 + 6)/6 + 6))$
:= $7 + (7 \times (77 \times (7 + 7) + 7 \times 7))$
:= $8 \times 8 + (88 \times 88 + 88)$
:= $(9 - 9/9) \times (999 - (99 + 9)/9)$
- ▶ **7901** := $1 + (1 + (1 + (11 \times ((11 - 1 - 1)^{1+1+1} - 11))))$
:= $2 + (((2 \times 2 \times 22 + 2/2)^2) - 22)$
:= $((33/3 + 3 \times 3)^3) - 3 \times 33$
:= $((4^4 - 4/4) \times (4 \times (4 + 4) - 4/4)) - 4$
:= $5 \times 5 \times 5 + (5/5 + 5)^5$
:= $66 + (((6^{6-6/6}) - (6/6 + 6)) + 66)$
:= $7 + (((777 - 7)/7 + 7777) + 7)$
:= $8 + ((8/8 + 8) \times (888 - 88/8))$
:= $9 \times 999 - ((99 \times 99 + 9)/9)$
- ▶ **7906** := $(1 + 1) \times (1 + (((1 + 1)^{1+11}) - (1 + 11)^{1+1}))$
:= $2 + (2 \times (2 \times ((2 \times 22)^2 + 2 \times (22 - 2))))$
:= $3/3 + (((3 + 3) \times (33/3)^3) - 3 \times 3^3)$
:= $4/4 + ((4^4 - 4/4) \times (4 \times (4 + 4) - 4/4))$
:= $5 + ((5/5 + 5)^5 + 5 \times 5 \times 5)$
:= $66 + ((6^{6-6/6}) + ((6 + 6)/6)^6)$
:= $7/7 + (7777 + ((7 + 7)/7)^7)$
:= $8/8 + (((8/8 + 88)^{(8+8)/8}) - (8 + 8))$
:= $9 \times 9 \times 99 - ((999 + 9 + 9)/9)$
- ▶ **7897** := $(11 \times ((11 - 1 - 1)^{1+1+1} - 11)) - 1$
:= $((2 \times 2 \times 22 + 2/2)^2) - 22 - 2$
:= $3/3 + ((3^3 - 3) \times (333 - (3/3 + 3)))$
:= $((4^4 - 4/4) \times (4 \times (4 + 4) - 4/4)) - 4 - 4$
:= $5 + ((555/5 + (5/5 + 5)^5) + 5)$
:= $(6^{6-6/6}) + (((66/6) \times (66/6))$
:= $7 + ((7 \times (77 \times (7 + 7) + 7 \times 7)) + 7/7)$
:= $8/8 + ((88 \times 88 + 88) + 8 \times 8)$
:= $9 \times 9 \times 99 - (999 + 99)/9$
- ▶ **7902** := $(1 + 1) \times (((1 + 1)^{1+11}) - (1 + (1 + 11)^{1+1}))$
:= $(2^{2+2} + 2) \times (((22 - 2/2)^2) - 2)$
:= $(3 + 3) \times (((3 + 3) \times ((3 + 3)^3 + 3)) + 3)$
:= $((4 + 4)/4 + 4 \times 4) \times (444 - (4/4 + 4))$
:= $5/5 + ((5/5 + 5)^5 + 5 \times 5 \times 5)$
:= $66 + (((6^{6-6/6}) - 6) + 66)$
:= $7 + ((777/7 + 7777) + 7)$
:= $(8/8 + 8) \times ((8 - 88)/8 + 888)$
:= $9 \times 9 \times 99 - (99 + 9 + 9)$
- ▶ **7907** := $(11 \times (11 - 1 - 1)^{1+1+1}) - (1 + 111)$
:= $2 + (((2 \times 2 \times 22 + 2/2)^2) - 2^{2+2})$
:= $3 + (((33/3 + 3 \times 3)^3) - 3 \times 33) + 3$
:= $4 + ((44 \times (4 \times 44 + 4)) - (4 \times 4 + 4/4))$
:= $5 + (((5/5 + 5)^5 + 5 \times 5 \times 5) + 5/5)$
:= $66 + (((6^{6-6/6}) - 6/6) + 66)$
:= $7 + ((7 \times (77 \times (7 + 7) + 7 \times 7)) + (77/7))$
:= $8 \times 8 + ((88 \times 88 + (88/8)) + 88)$
:= $9 \times 9 \times 99 - ((999 + 9)/9)$

$$\begin{aligned}
\blacktriangleright 7908 &:= (11 \times (11 - 1 - 1)^{1+1+1}) - 111 \\
&:= (2 + 2 + 2) \times ((2 + 2 + 2)^{2+2} + 22) \\
&:= 3 + (((3 + 3) \times (33/3)^3) - 3 \times 3^3) \\
&:= 4 + (4 \times ((44 \times 44 - 4) + 44)) \\
&:= 5 + (((5/5 + 5)^5 + 5 \times 5 \times 5) + ((5 + 5)/5)) \\
&:= 66 + ((6^{6-6/6}) + 66) \\
&:= 7 + (((777 - 7)/7 + 7777) + 7) + 7 \\
&:= 8 \times 8 \times 8 + ((88 - ((8 + 8)/8))^{(8+8)/8}) \\
&:= 9 \times 9 \times 99 - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7909 &:= 11 \times (1 + ((11 - 1 - 1)^{1+1+1} - 11)) \\
&:= ((2 \times 2 \times 22 + 2/2)^2) - (2 \times (2 + 2 + 2)) \\
&:= 33/3 \times (((3 - 33)/3) + 3^{3+3}) \\
&:= (44 \times (4 \times 44 + 4)) - 44/4 \\
&:= 5 + ((5 \times 5 \times 5 \times 55 + (5 - 5/5)^5) + 5) \\
&:= ((6 + 6) \times (666 - 6)) - 66/6 \\
&:= 7 + (((777/7 + 7777) + 7) + 7) \\
&:= 88/8 \times (((8 \times 88 - 8/8) + 8) + 8) \\
&:= 99/9 \times (9 \times 9 \times 9 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7910 &:= ((111 - 11 - 11)^{1+1}) - 11 \\
&:= 222 + (2 \times (2^{2+2+2} - 2)^2) \\
&:= (3 \times (3 - 33)) + ((33/3 + 3 \times 3)^3) \\
&:= (4 - 44)/4 + (44 \times (4 \times 44 + 4)) \\
&:= 5^5 + (55 \times (((5 + 5)/5)^5 + 55)) \\
&:= (6 - 66)/6 + ((6 + 6) \times (666 - 6)) \\
&:= 7 + ((7777 + 77) + 7 \times 7) \\
&:= ((8/8 + 88)^{(8+8)/8}) - 88/8 \\
&:= 9 \times 9 \times 99 - (9/9 + 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7911 &:= 1 + (((111 - 11 - 11)^{1+1}) - 11) \\
&:= ((2 - 22)/2) + ((2 \times 2 \times 22 + 2/2)^2) \\
&:= 3 \times (3 \times ((33 \times 3^3) - (3 \times 3 + 3))) \\
&:= (44 \times (4 \times 44 + 4)) - (4/4 + 4 + 4) \\
&:= 5 + (((5/5 + 5)^5 + 5 \times 5 \times 5) + 5) \\
&:= (((6 - 66) + 6)/6) + ((6 + 6) \times (666 - 6)) \\
&:= 7 + ((7/7 - 77) \times (7 - 777/7)) \\
&:= (8/8 + 8) \times (888 - 8/8 - 8) \\
&:= 9 \times 9 \times 99 - (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7912 &:= 1 + (1 + (((111 - 11 - 11)^{1+1}) - 11)) \\
&:= 2 \times (2 \times (((2 \times 22)^2 - 2) + 2 \times 22)) \\
&:= 3 + (33/3 \times (((3 - 33)/3) + 3^{3+3})) \\
&:= (44 \times (4 \times 44 + 4)) - 4 - 4 \\
&:= 5 \times 5 + (555/5 + (5/5 + 5)^5) \\
&:= ((6 + 6) \times (666 - 6)) - ((6 + 6)/6 + 6) \\
&:= 7 + (7777 + ((7 + 7)/7)^7) \\
&:= (88 \times ((8 + 8)/8 + 88)) - 8 \\
&:= 9/9 + (9 \times 9 \times 99 - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7913 &:= 1 + (1 + (1 + (((111 - 11 - 11)^{1+1}) - 11))) \\
&:= ((22/2 + 2)^2) + (2 \times 2 \times 22)^2 \\
&:= 3 + (((33/3 + 3 \times 3)^3) + (3 \times (3 - 33))) \\
&:= 4 + ((44 \times (4 \times 44 + 4)) - 44/4) \\
&:= 5 \times 5 + ((555 + 5)/5 + (5/5 + 5)^5) \\
&:= ((6 + 6) \times (666 - 6)) - 6/6 - 6 \\
&:= 7 + ((7777 + ((7 + 7)/7)^7) + 7/7) \\
&:= ((8/8 + 88)^{(8+8)/8}) - 8 \\
&:= 9 + ((9 - 9/9) \times (999 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7914 &:= (1 + 1) \times ((1 + 1 + 1) \times (11^{1+1+1} - (1 + 11))) \\
&:= 2 + (2 \times (2 \times (((2 \times 22)^2 - 2) + 2 \times 22))) \\
&:= (3 + 3) \times ((33/3)^3 - (3 \times 3 + 3)) \\
&:= (44 \times (4 \times 44 + 4)) - ((4 + 4)/4 + 4) \\
&:= (5/5 + 5) \times (5 \times 5 \times 55 - (55 + 5/5)) \\
&:= ((6 + 6) \times (666 - 6)) - 6 \\
&:= (((77 + 7)/7 + 77)^{(7+7)/7}) - 7 \\
&:= 8/8 + (((8/8 + 88)^{(8+8)/8}) - 8) \\
&:= 9 \times 9 \times 99 + (((9 + 9 + 9)/9) - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7915 &:= (1 + (1 + 1 + 1 + 1)) \times ((11 \times (1 + 11)^{1+1}) - 1) \\
&:= ((2 \times 2 \times 22 + 2/2)^2) - 2 - 2 - 2 \\
&:= 3/3 + ((3 + 3) \times ((33/3)^3 - (3 \times 3 + 3))) \\
&:= (44 \times (4 \times 44 + 4)) - 4/4 - 4 \\
&:= (55 \times (5 \times (5 \times 5 + 5) - 5)) - 55 - 5 \\
&:= 6/6 + (((6 + 6) \times (666 - 6)) - 6) \\
&:= 7/7 + (((77 + 7)/7 + 77)^{(7+7)/7}) - 7 \\
&:= 88/8 + (((8/8 + 8) \times 888) - 88) \\
&:= 9 + (9 \times 9 \times 99 - ((999 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7916 &:= ((11 \times (111 + (1 + 1)^{11})) - 1)/(1 + 1 + 1) \\
&:= 2 \times ((2 \times 2222) - (22^2 + 2)) \\
&:= ((33/3 + 3 \times 3)^3) - (3 \times 3^3 + 3) \\
&:= (44 \times (4 \times 44 + 4)) - 4 \\
&:= 5 + (((5/5 + 5)^5 + 5 \times 5 \times 5) + 5) \\
&:= (6 + 6)/6 + (((6 + 6) \times (666 - 6)) - 6) \\
&:= 77 + ((7 \times (7 \times 7 \times 7 + 777)) - 7/7) \\
&:= (88 \times ((8 + 8)/8 + 88)) - 8 \times 8/(8 + 8) \\
&:= 9 + (9 \times 9 \times 99 - ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7917 &:= (1 + 1 + 1) \times (((1 + 1) \times 11 \times (11^{1+1} - 1)) - 1) \\
&:= ((2 \times 2 \times 22 + 2/2)^2) - 2 - 2 \\
&:= (33 \times (3 \times 3 \times 3^3 - 3)) - 3 \\
&:= 4/4 + ((44 \times (4 \times 44 + 4)) - 4) \\
&:= 5 + ((555/5 + (5/5 + 5)^5) + 5 \times 5) \\
&:= ((6 + 6) \times (666 - 6)) - 6 \times 6/(6 + 6) \\
&:= 77 + (7 \times (7 \times 7 \times 7 + 777)) \\
&:= (8/8 - 88) \times (8 - (88/8 + 88)) \\
&:= 9 + (9 \times 9 \times 99 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7918 &:= ((111 - 11 - 11)^{1+1}) - 1 - 1 - 1 \\
&:= ((2 + 2 + 2)^2 \times (222 - 2)) - 2 \\
&:= 3/3 + ((33 \times (3 \times 3 \times 3^3 - 3)) - 3) \\
&:= (44 \times (4 \times 44 + 4)) - (4 + 4)/4 \\
&:= 5 + (((555 + 5)/5 + (5/5 + 5)^5) + 5 \times 5) \\
&:= ((6 + 6) \times (666 - 6)) - (6 + 6)/6 \\
&:= 7 + (((7/7 - 77) \times (7 - 777/7)) + 7) \\
&:= (88 \times ((8 + 8)/8 + 88)) - (8 + 8)/8 \\
&:= 9 \times 9 \times 99 - ((9 + 9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7919 &:= ((111 - 11 - 11)^{1+1}) - 1 - 1 \\
&:= ((2 \times 2 \times 22 + 2/2)^2) - 2 \\
&:= ((33/3 + 3 \times 3)^3) - 3 \times 3^3 \\
&:= (44 \times (4 \times 44 + 4)) - 4/4 \\
&:= (5 - 5/5)^5 + ((5 \times (5 \times 5 \times 55 + 5)) - 5) \\
&:= ((6 + 6) \times (666 - 6)) - 6/6 \\
&:= 7 + ((7777 + ((7 + 7)/7)^7) + 7) \\
&:= (88 \times ((8 + 8)/8 + 88)) - 8/8 \\
&:= 9 \times 9 \times 99 - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7920 &:= ((111 - 11 - 11)^{1+1}) - 1 \\
&:= (2 + 2 + 2)^2 \times (222 - 2) \\
&:= 33 \times (3 \times 3 \times 3^3 - 3) \\
&:= 44 \times (4 \times 44 + 4) \\
&:= 5 \times (((5 - 5/5)^5 + 555) + 5) \\
&:= (6 + 6) \times (666 - 6) \\
&:= (7/7 + 7 + 7) \times (7 \times 77 - (77/7)) \\
&:= 88 \times ((8 + 8)/8 + 88) \\
&:= 99 \times (9 \times 9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7921 &:= (111 - 11 - 11)^{1+1} \\
&:= (2 \times 2 \times 22 + 2/2)^2 \\
&:= 3/3 + (33 \times (3 \times 3 \times 3^3 - 3)) \\
&:= 4/4 + (44 \times (4 \times 44 + 4)) \\
&:= 5 \times (5 \times 5 + 5) + ((5/5 + 5)^5 - 5) \\
&:= 6/6 + ((6 + 6) \times (666 - 6)) \\
&:= ((77 + 7)/7 + 77)^{(7+7)/7} \\
&:= (8/8 + 88)^{(8+8)/8} \\
&:= 9/9 + (99 \times (9 \times 9 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7922 &:= 1 + ((111 - 11 - 11)^{1+1}) \\
&:= 2 + ((2 + 2 + 2)^2 \times (222 - 2)) \\
&:= 3 + (((33/3 + 3 \times 3)^3) - 3 \times 3^3) \\
&:= (4 + 4)/4 + (44 \times (4 \times 44 + 4)) \\
&:= 5/5 + (((5/5 + 5)^5 - 5) + 5 \times (5 \times 5 + 5)) \\
&:= (6 + 6)/6 + ((6 + 6) \times (666 - 6)) \\
&:= 7/7 + (((77 + 7)/7 + 77)^{(7+7)/7}) \\
&:= 8/8 + ((8/8 + 88)^{(8+8)/8}) \\
&:= (9 + 9)/9 + (99 \times (9 \times 9 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7923 &:= 1 + (1 + ((111 - 11 - 11)^{1+1})) \\
&:= 2 + ((2 \times 2 \times 22 + 2/2)^2) \\
&:= 3 + (33 \times (3 \times 3 \times 3^3 - 3)) \\
&:= 4 + ((44 \times (4 \times 44 + 4)) - 4/4) \\
&:= (5 \times (5 \times ((5^5 - 5)/(5 + 5) + 5))) - (5 + 5)/5 \\
&:= 6 \times 6 + (666/6 + (6^{6-6/6})) \\
&:= 7777 + (7 \times (7 + 7 + 7) - 7/7) \\
&:= (8 + 8)/8 + ((8/8 + 88)^{(8+8)/8}) \\
&:= 9 \times 9 \times 99 + (((9 + 9 + 9)/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7924 &:= 1 + (1 + (1 + ((111 - 11 - 11)^{1+1}))) \\
&:= 2 + (((2 + 2 + 2)^2 \times (222 - 2)) + 2) \\
&:= 3 + ((33 \times (3 \times 3 \times 3^3 - 3)) + 3/3) \\
&:= 4 + (44 \times (4 \times 44 + 4)) \\
&:= (5 - 5/5)^5 + (5 \times (5 \times 5 \times 55 + 5)) \\
&:= 6 + (((6 + 6) \times (666 - 6)) - ((6 + 6)/6)) \\
&:= 7777 + 7 \times (7 + 7 + 7) \\
&:= 88/8 + (((8/8 + 88)^{(8+8)/8}) - 8) \\
&:= 9 \times 9 \times 99 + (((9 \times 9 - 9)/(9 + 9)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7925 &:= 1 + (1 + (1 + (1 + ((111 - 11 - 11)^{1+1})))) \\
&:= 2 + (((2 \times 2 \times 22 + 2/2)^2) + 2) \\
&:= 3 + (((33/3 + 3 \times 3^3) - 3 \times 3^3) + 3) \\
&:= 4 + ((44 \times (4 \times 44 + 4)) + 4/4) \\
&:= 5 \times (5 \times ((5^5 - 5)/(5 + 5) + 5)) \\
&:= 6 + (((6 + 6) \times (666 - 6)) - 6/6) \\
&:= 7/7 + (7777 + 7 \times (7 + 7 + 7)) \\
&:= ((8 + 8) \times (8 \times 8 \times 8 - 8 - 8)) - 88/8 \\
&:= 9 \times (9 \times 99 - 9) - (99 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7926 &:= (1 + 1) \times ((1 + 1 + 1) \times 1 + 11 \times (11^{1+1} - 1)) \\
&:= 2 + (((2 + 2 + 2)^2 \times (222 - 2)) + 2) + 2) \\
&:= 3 + ((33 \times (3 \times 3 \times 3^3 - 3)) + 3) \\
&:= 4 + ((44 \times (4 \times 44 + 4)) + (4 + 4)/4) \\
&:= 5 \times (5 \times 5 + 5) + (5/5 + 5)^5 \\
&:= 6 + ((6 + 6) \times (666 - 6)) \\
&:= 7 + (((7777 + ((7 + 7)/7)^7) + 7) + 7) \\
&:= 8 + ((88 \times ((8 + 8)/8 + 88)) - ((8 + 8)/8)) \\
&:= 9 \times (9 \times 99 - 9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7927 &:= ((1 + 1) \times (((1 + 1)^{1+1+1}) - (11 \times (1 + 11)))) - 1 \\
&:= 2 + (((2 \times 2 \times 22 + 2/2)^2) + 2) + 2) \\
&:= (((3 \times (3 + 3)) + 3)^3) - ((33/3)^3 + 3) \\
&:= 4 + (((44 \times (4 \times 44 + 4)) - 4/4) + 4) \\
&:= 5/5 + (5 \times (5 \times 5 + 5) + (5/5 + 5)^5) \\
&:= 6 + (((6 + 6) \times (666 - 6)) + 6/6) \\
&:= 7 + ((7/7 + 7 + 7) \times (7 \times 77 - (77/7))) \\
&:= 8 + ((88 \times ((8 + 8)/8 + 88)) - 8/8) \\
&:= 9 \times (9 \times 99 - 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7928 &:= (1 + 1) \times (((1 + 1)^{1+1+1}) - (11 \times (1 + 11))) \\
&:= 2 \times (2 \times (((2 \times 22)^2 + 2 \times 22) + 2)) \\
&:= (3 \times (3 - 3^3)) + ((33/3 + 3 \times 3^3)^3) \\
&:= 4 + ((44 \times (4 \times 44 + 4)) + 4) \\
&:= (5 + 5)/5 + (5 \times (5 \times 5 + 5) + (5/5 + 5)^5) \\
&:= ((6 + 6) \times 666) - ((6 + 6)/6)^6 \\
&:= 7 + (((77 + 7)/7 + 77)^{(7+7)/7}) \\
&:= 8 + (88 \times ((8 + 8)/8 + 88)) \\
&:= 9 \times (9 \times 99 - 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7929 &:= 1 + ((1 + 1) \times (((1 + 1)^{1+1+1}) - (11 \times (1 + 11)))) \\
&:= 2 \times (2 + 2) + ((2 \times 2 \times 22 + 2/2)^2) \\
&:= 3 \times ((33 \times (3 \times 3^3 - 3/3)) + 3) \\
&:= 4 + (((44 \times (4 \times 44 + 4)) + 4/4) + 4) \\
&:= 5 + ((5 \times (5 \times 5 \times 55 + 5)) + (5 - 5/5)^5) \\
&:= 6 + ((666/6 + (6^{6-6/6})) + 6 \times 6) \\
&:= 77 + ((7777 - ((7 + 7)/7)) + 77) \\
&:= 8 + ((8/8 + 88)^{(8+8)/8}) \\
&:= 9 \times (9 \times 99 - 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7930 &:= (1 + 1 + 11) \times (11 \times 111 - 1)/(1 + 1) \\
&:= 2 \times (((2^{2+2+2} - 2/2)^2) - (2 + 2)) \\
&:= (((3 \times (3 + 3)) + 3)^3) - (33/3)^3 \\
&:= (44 - 4)/4 + (44 \times (4 \times 44 + 4)) \\
&:= 5 + (5 \times (5 \times ((5^5 - 5)/(5 + 5) + 5))) \\
&:= ((66 - 6)/6) + ((6 + 6) \times (666 - 6)) \\
&:= 77 + ((7777 - 7/7) + 77) \\
&:= 8 + (((8/8 + 88)^{(8+8)/8}) + 8/8) \\
&:= 9/9 + (9 \times (9 \times 99 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7931 &:= 11 + (((111 - 11 - 11)^{1+1}) - 1) \\
&:= 2 + (((2 \times 2 \times 22 + 2/2)^2) + 2 \times (2 + 2)) \\
&:= 33/3 + (33 \times (3 \times 3 \times 3^3 - 3)) \\
&:= 44/4 + (44 \times (4 \times 44 + 4)) \\
&:= 5 + (5 \times (5 \times 5 + 5) + (5/5 + 5)^5) \\
&:= 66/6 + ((6 + 6) \times (666 - 6)) \\
&:= 77 + (7777 + 77) \\
&:= 88/8 + (88 \times ((8 + 8)/8 + 88)) \\
&:= (9 + 9)/9 + (9 \times (9 \times 99 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7932 &:= 11 + ((111 - 11 - 11)^{1+1}) \\
&:= 22/2 + ((2 \times 2 \times 22 + 2/2)^2) \\
&:= (3 + 3) \times ((33/3)^3 - 3 \times 3) \\
&:= (4 \times 4^4 \times (4 + 4)) - (4^4 + 4) \\
&:= (5/5 + 5)^5 + ((5^5 - 5)/(5 \times 5 - 5)) \\
&:= 6 + (((6 + 6) \times (666 - 6)) + 6) \\
&:= 7/7 + ((7777 + 77) + 77) \\
&:= 88/8 + ((8/8 + 88)^{(8+8)/8}) \\
&:= 9 \times 9 \times 99 + ((99 + 9)/9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7933 &:= 1 + (11 + ((111 - 11 - 11)^{1+1})) \\
&:= (2 \times (2 + 2 + 2)) + ((2 \times 2 \times 22 + 2/2)^2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) - (33/3)^3 \\
&:= 4/4 + ((4 \times 4^4 \times (4 + 4)) - (4^4 + 4)) \\
&:= 5 \times 5 \times 5 + ((5/5 + 5)^5 + ((5 + 5)/5)^5) \\
&:= 6 + (((6 + 6) \times (666 - 6)) + 6/6) + 6) \\
&:= 77 + ((7777 + ((7 + 7)/7)) + 77) \\
&:= 8 + (((8 + 8) \times (8 \times 8 \times 8 - 8 - 8)) - (88/8)) \\
&:= ((9 - 99)/(9 + 9)) + 9 \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7934 &:= 1 + (1 + (11 + ((111 - 11 - 11)^{1+1}))) \\
&:= 2 \times (((2^{2+2+2} - 2/2)^2) - 2) \\
&:= ((33/3 + 3 \times 3^3)^3) - (33 + 33) \\
&:= (4 \times 4^4 \times (4 + 4)) - ((4 + 4)/4 + 4^4) \\
&:= 5 + (((5 \times (5 \times 5 \times 55 + 5)) + (5 - 5/5)^5) + 5) \\
&:= 6 + (((6 + 6) \times 666) - ((6 + 6)/6)^6) \\
&:= 7 + (((7/7 + 7 + 7) \times (7 \times 77 - (77/7))) + 7) \\
&:= ((8 + 8) \times (8 \times 8 \times 8 - 8 - 8)) - (8 + 8)/8 \\
&:= ((9 - 9 \times 9)/(9 + 9)) + 9 \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7935 &:= (1 + 1 + 1 + 1 + 11) \times (1 + 11 + 11)^{1+1} \\
&:= ((22/2 + 2) + 2) \times ((22 + 2/2)^2) \\
&:= (3^3 \times (3 \times 3 \times 33 - 3)) - 3 \\
&:= (4 \times 4^4 \times (4 + 4)) - (4/4 + 4^4) \\
&:= 5 + ((5 \times (5 \times ((5^5 - 5)/(5 + 5) + 5))) + 5) \\
&:= 6 + (((666/6 + (6^{6-6/6})) + 6 \times 6) + 6) \\
&:= 7 + (((77 + 7)/7 + 77)^{(7+7)/7}) + 7) \\
&:= ((8 + 8) \times (8 \times 8 \times 8 - 8 - 8)) - 8/8 \\
&:= 9 \times (9 \times 99 - 9) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7936 &:= ((11 \times (111 \times (1 + 1 + 11))) - 1)/(1 + 1) \\
&:= (2^{22/2+2}) - 2^{2 \times (2+2)} \\
&:= 3/3 + ((3^3 \times (3 \times 3 \times 33 - 3)) - 3) \\
&:= 4 \times ((4 + 4) \times (4^4 - 4 - 4)) \\
&:= (5/5 + 5)^5 + (5 \times ((5 + 5)/5)^5) \\
&:= 6 + (((6 + 6) \times (666 - 6)) + ((66 - 6)/6)) \\
&:= ((7 + 7)/7)^7 \times (((7 \times 7 - 7/7) + 7) + 7) \\
&:= (8 + 8) \times (8 \times 8 \times 8 - 8 - 8) \\
&:= 9 \times (9 \times 99 - 9) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7937 &:= (1 + (11 \times (111 \times (1 + 1 + 11))))/(1 + 1) \\
&:= 2^{2+2} + ((2 \times 2 \times 22 + 2/2)^2) \\
&:= (3^3 \times (3 \times 3 \times 33 - 3)) - 3/3 \\
&:= 4/4 + (4 \times ((4 + 4) \times (4^4 - 4 - 4))) \\
&:= 5 + (((5^5 - 5)/(5 \times 5 - 5)) + (5/5 + 5)^5) \\
&:= 6 + (((6 + 6) \times (666 - 6)) + (66/6)) \\
&:= 7 \times 7 + (777/7 + 7777) \\
&:= 8 + (((8/8 + 88)^{(8+8)/8}) + 8) \\
&:= 9 \times (9 \times 99 - 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7938 &:= (1+1) \times (((1+1+1) \times (11+(11-1)))^{1+1}) \\
&:= 2 \times ((2^{2+2+2} - 2/2)^2) \\
&:= 3^3 \times (3 \times 3 \times 33 - 3) \\
&:= (4+4)/4 + (4 \times ((4+4) \times (4^4 - 4 - 4))) \\
&:= ((5-5^5)/(5+5)) + (5 \times (55 \times (5 \times 5 + 5))) \\
&:= 6 + (((6+6) \times (666-6)) + 6) + 6 \\
&:= 7 \times ((77 \times (7+7) + 7 \times 7) + 7) \\
&:= (8+8)/8 + ((8+8) \times (8 \times 8 \times 8 - 8 - 8)) \\
&:= 9 \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7943 &:= (1+1+11) \times (1+11 \times 111)/(1+1) \\
&:= 22 + ((2 \times 2 \times 22 + 2/2)^2) \\
&:= 3 + (((3^3 \times (3 \times 3 \times 33 - 3)) - 3/3) + 3) \\
&:= 4 + (((4 \times 4^4 \times (4+4)) - (4/4 + 4^4)) + 4) \\
&:= 55 + ((555+5)/5 + (5/5 + 5)^5) \\
&:= 6 + (((6+6) \times (666-6)) + (66/6)) + 6 \\
&:= 7 + (((7+7)/7)^7 \times (((7 \times 7 - 7/7) + 7) + 7)) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8 - 8)) - 8/8) \\
&:= 9 \times (9 \times 99 - 9) + ((9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7948 &:= (1+1) \times (((1+1)^{1+11}) - (1+11^{1+1})) \\
&:= 2 \times ((222 \times (2^{2+2} + 2)) - 22) \\
&:= 33 \times 33 + (((3 \times (3+3)) + 3/3)^3) \\
&:= (4 \times (4^4 \times (4+4) + 4)) - (4^4 + 4) \\
&:= (5 \times (5 \times ((5^5 + 5)/(5+5) + 5))) - (5+5)/5 \\
&:= ((6+6) \times 666) - (((6+6)/6 + 6 \times 6) + 6) \\
&:= 7777 + ((7 \times 7 \times 7 \times 7 - 7)/(7+7)) \\
&:= ((88+8)/8) + ((8+8) \times (8 \times 8 \times 8 - 8 - 8)) \\
&:= 9 + (9 \times (9 \times 99 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7939 &:= 1 + ((1+1) \times (((1+1+1) \times (11+(11-1)))^{1+1})) \\
&:= 2/2 + (2 \times ((2^{2+2+2} - 2/2)^2)) \\
&:= 3/3 + (3^3 \times (3 \times 3 \times 33 - 3)) \\
&:= 4 + ((4 \times 4^4 \times (4+4)) - (4/4 + 4^4)) \\
&:= (5 \times (5 \times ((5^5 + 5)/(5+5) + 5))) - 55/5 \\
&:= 6 + (((6+6) \times (666-6)) + 6/6) + 6 + 6 \\
&:= 7/7 + (7 \times ((77 \times (7+7) + 7 \times 7) + 7)) \\
&:= 8 + ((88 \times ((8+8)/8 + 88)) + (88/8)) \\
&:= 9/9 + 9 \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7944 &:= 1 + ((1+1+11) \times (1+11 \times 111)/(1+1)) \\
&:= 2 + (22 \times ((22 - (2/2 + 2))^2)) \\
&:= 3 + ((3^3 \times (3 \times 3 \times 33 - 3)) + 3) \\
&:= 4 + ((4 \times ((4+4) \times (4^4 - 4 - 4))) + 4) \\
&:= (5/5 + 5) \times (5 \times (55 + 5) + (5 - 5/5)^5) \\
&:= (6+6) \times (((6+6)/6 - 6) + 666) \\
&:= 7 + ((777/7 + 7777) + 7 \times 7) \\
&:= 8 + ((8+8) \times (8 \times 8 \times 8 - 8 - 8)) \\
&:= 9 + (9 \times (9 \times 99 - 9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7949 &:= ((1+1) \times (((1+1)^{1+11}) - 11^{1+1})) - 1 \\
&:= (2^{22/2+2}) - (22^2 + 2)/2 \\
&:= 33/3 + (3^3 \times (3 \times 3 \times 33 - 3)) \\
&:= 44 + ((4^4 - 4/4) \times (4 \times (4+4) - 4/4)) \\
&:= (5 \times (5 \times ((5^5 + 5)/(5+5) + 5))) - 5/5 \\
&:= ((6+6) \times 666) - (6 \times 6 + 6/6 + 6) \\
&:= 77/7 + (7 \times ((77 \times (7+7) + 7 \times 7) + 7)) \\
&:= 8 \times 8 + (((8/8 + 8) \times (888 - 88/8)) - 8) \\
&:= 99/9 + 9 \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7940 &:= (1+1) \times (1 + (((1+1+1) \times (11+(11-1)))^{1+1})) \\
&:= 2 + (2 \times ((2^{2+2+2} - 2/2)^2)) \\
&:= 3 + ((3^3 \times (3 \times 3 \times 33 - 3)) - 3/3) \\
&:= 4 + (4 \times ((4+4) \times (4^4 - 4 - 4))) \\
&:= 5 \times (((5^5 + 5/5)/(5+5)/5) + 5 \times 5) \\
&:= 6 + (((6+6) \times 666) - ((6+6)/6)^6) + 6 \\
&:= (7+7)/7 + (7 \times ((77 \times (7+7) + 7 \times 7) + 7)) \\
&:= 8 + (((8/8 + 88)^{(8+8)/8}) + (88/8)) \\
&:= (9+9)/9 + 9 \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7945 &:= 1 + (1 + ((1+1+11) \times (1+11 \times 111)/(1+1))) \\
&:= 2 + (((2 \times 2 \times 22 + 2/2)^2) + 22) \\
&:= 3 + (((3^3 \times (3 \times 3 \times 33 - 3)) + 3/3) + 3) \\
&:= 4 + (((4 \times ((4+4) \times (4^4 - 4 - 4))) + 4/4) + 4) \\
&:= ((5 \times 5 - 5)^{5-(5+5)/5}) - 55 \\
&:= (6 \times 6 - 6/6) \times (6 \times 6 \times 6 + 66/6) \\
&:= 7 + (7 \times ((77 \times (7+7) + 7 \times 7) + 7)) \\
&:= 8 + (((8/8 + 88)^{(8+8)/8}) + 8) + 8 \\
&:= 9 + (9 \times (9 \times 99 - 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7950 &:= (1+1) \times (((1+1)^{1+11}) - 11^{1+1}) \\
&:= (2^{22/2+2}) - 22^2/2 \\
&:= (3+3) \times ((33/3)^3 - (3+3)) \\
&:= (44 + 4^4)/4 \times ((444 - 4)/4 - 4) \\
&:= 5 \times (5 \times ((5^5 + 5)/(5+5) + 5)) \\
&:= ((6+6) \times 666) - (6 \times 6 + 6) \\
&:= ((77 - 7)/7) \times ((77/7 + 777) + 7) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8 - 8)) - ((8+8)/8) + 8) \\
&:= (99+9)/9 + 9 \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7941 &:= ((11-1)^{1+1+1+1}) - (11 + (1+1)^{11}) \\
&:= 22 + (((2 \times 2 \times 22 + 2/2)^2) - 2) \\
&:= 3 + (3^3 \times (3 \times 3 \times 33 - 3)) \\
&:= 4 + ((4 \times ((4+4) \times (4^4 - 4 - 4))) + 4/4) \\
&:= 5 + ((5 \times ((5+5)/5)^5) + (5/5 + 5)^5) \\
&:= (6^{6-6/6}) + (66 \times (6 \times 6 - 6)/(6+6)) \\
&:= 77 + ((7777 + ((77-7)/7)) + 77) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8 - 8)) - (88/8) + 8) \\
&:= ((9+9+9)/9) + 9 \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7946 &:= (1+1) \times (((1+1)^{1+11}) - (1 + (1+11^{1+1}))) \\
&:= 2 + ((22 \times ((22 - (2/2 + 2))^2)) + 2) \\
&:= ((33/3 + 3 \times 3)^3) - (3^3 + 3^3) \\
&:= (4+4)/4 \times (((4^4 - 4)/4)^{(4+4)/4}) + 4 \\
&:= (5/5 + 5)^5 + ((5 \times ((5 \times 5 + 5) + 5)) - 5) \\
&:= (6 - 66)/6 + (6 \times ((6 \times (6 \times 6 + 6) - 6)) - 6) \\
&:= 7 + ((7 \times ((77 \times (7+7) + 7 \times 7) + 7)) + 7/7) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8 - 8)) + ((8+8)/8)) \\
&:= 9 + (9 \times (9 \times 99 - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7951 &:= 1 + ((1+1) \times (((1+1)^{1+11}) - 11^{1+1})) \\
&:= ((2 - 22^2)/2) + (2^{22/2+2}) \\
&:= 3/3 + ((3+3) \times ((33/3)^3 - (3+3))) \\
&:= (4 \times (4^4 \times (4+4) + 4)) - (4/4 + 4^4) \\
&:= (5/5 + 5)^5 + (5 \times ((5 \times 5 + 5) + 5)) \\
&:= 6/6 + (((6+6) \times 666) - (6 \times 6 + 6)) \\
&:= 77 + ((7777 - 7/7) + 7 \times (7+7)) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8 - 8)) - 8/8) + 8 \\
&:= 9999 - (((9+9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7942 &:= (1+1) \times (11 \times (((1+1) \times (11-1)) - 1)^{1+1}) \\
&:= 22 \times ((22 - (2/2 + 2))^2) \\
&:= 3 + ((3^3 \times (3 \times 3 \times 33 - 3)) + 3/3) \\
&:= 4 + ((4 \times ((4+4) \times (4^4 - 4 - 4))) + (4+4)/4) \\
&:= 55 + (555/5 + (5/5 + 5)^5) \\
&:= 66/6 \times ((6+6) \times (66-6) + ((6+6)/6)) \\
&:= 77 + ((7777 + (77/7)) + 77) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8 - 8)) - ((8+8)/8)) \\
&:= 99/9 \times (((9+9)/9) - 9) + 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7947 &:= (1+1+1) \times (((1+1) \times (11^{1+1+1} - 1)) - 11) \\
&:= 2 + (((2 \times 2 \times 22 + 2/2)^2) + 22) + 2 \\
&:= 3 \times ((3 \times (3 \times (3 \times 3 \times 33 - 3))) + 3) \\
&:= 44/4 + (4 \times ((4+4) \times (4^4 - 4 - 4))) \\
&:= 5 + ((555/5 + (5/5 + 5)^5) + 55) \\
&:= ((66/6) \times (((6 \times 6/(6+6))^6) - 6)) - 6 \\
&:= 7 \times 7 + (((7+7)/7)^7 - 7) + 7777 \\
&:= 88/8 + ((8+8) \times (8 \times 8 \times 8 - 8 - 8)) \\
&:= 9 + 9 \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7952 &:= ((11-1)^{1+1+1+1}) - (1+1)^{11} \\
&:= 2 + ((2^{22/2+2}) - 22^2/2) \\
&:= (((3+3)^3 - 3)/3) \times ((333+3)/3) \\
&:= 4 \times (((4+4) \times (4^4 - 4 - 4)) + 4) \\
&:= 5/5 + ((5 \times ((5 \times 5 + 5) + 5)) + (5/5 + 5)^5) \\
&:= ((66 - 6/6) + 6) \times (666 + 6)/6 \\
&:= 77 + (7777 + 7 \times (7+7)) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8 - 8)) + 8) \\
&:= (9 \times 9 - (9/9 + 9)) \times ((999+9)/9)
\end{aligned}$$

- **7953** := $1 + (((11-1)^{1+1+1+1}) - (1+1)^{11})$
:= $(22/2 + 22) \times (22^2 - 2)/2$
:= $33 \times (((3^3+3) / 3) - 3)$
:= $4/4 + (4 \times (((4+4) \times (4^4 - 4 - 4)) + 4))$
:= $5 + ((5 \times (5 \times ((5^5 + 5) / (5+5) + 5))) - ((5+5)/5))$
:= $66/6 \times (((6 \times 6 / (6+6))^6) - 6)$
:= $7/7 + ((7777 + 7 \times (7+7)) + 77)$
:= $88/8 \times ((88/8 + 8 \times 88) + 8)$
:= $9 + ((9 \times (9 \times 99 - 9) - ((9+9+9)/9)) + 9)$
- **7954** := $1 + (1 + (((11-1)^{1+1+1+1}) - (1+1)^{11}))$
:= $(22-2)^{2/2+2} - (2 \times 22 + 2)$
:= $3/3 + (33 \times (((3^3+3) / 3) - 3))$
:= $(4+4)/4 + (4 \times (((4+4) \times (4^4 - 4 - 4)) + 4))$
:= $5 + ((5 \times (5 \times ((5^5 + 5) / (5+5) + 5))) - 5/5)$
:= $((6+6) \times 666) - ((6+6)/6 + 6 \times 6)$
:= $7 \times 7 + (7777 + ((7+7)/7)^7)$
:= $((8+8)/8) \times (((8 \times 8 - 8/8)^{(8+8)/8}) + 8)$
:= $(9/9 + 9 \times 9) \times (99 - ((9+9)/9))$
- **7955** := $(1+1+1) \times ((1+11) \times ((1+1) \times 111 - 1)) - 1$
:= $2 + ((22/2 + 22) \times (22^2 - 2)/2)$
:= $(3/3 + 33 + 3) \times ((3+3)^3 - 3^3)$
:= $((4 \times 4 + 4)^{4-4/4}) - (44 + 4/4)$
:= $5 + (5 \times (5 \times ((5^5 + 5) / (5+5) + 5)))$
:= $(6 \times 6 + 6/6) \times (6 \times 6 \times 6 - 6/6)$
:= $7 + (((7 \times 7 \times 7 \times 7 - 7) / (7+7)) + 7777)$
:= $8 + (((8+8) \times (8 \times 8 \times 8 - 8 - 8)) + (88/8))$
:= $9 + ((9 \times (9 \times 99 - 9) - 9/9) + 9)$
- **7956** := $(1+1+1) \times ((1+11) \times ((1+1) \times 111 - 1))$
:= $(2^{2+2} + 2) \times (2 \times 222 - 2)$
:= $(3 \times 3^3 - 3) \times (3 \times 33 + 3)$
:= $((4 \times 4 + 4)^{4-4/4}) - 44$
:= $55 + (((5/5 + 5)^5 + 5 \times 5 \times 5)$
:= $6 \times ((6 \times (6 \times 6 \times 6 + 6)) - 6)$
:= $(77/7 + 7) \times (7 \times (7 \times 7 + 7 + 7) + 7/7)$
:= $(8/8 + 8) \times (888 - 8 \times 8 / (8+8))$
:= $9 + (9 \times (9 \times 99 - 9) + 9)$
- **7957** := $1 + ((1+1+1) \times ((1+11) \times ((1+1) \times 111 - 1)))$
:= $2/2 + ((2^{2+2} + 2) \times (2 \times 222 - 2))$
:= $3/3 + ((3 \times 3^3 - 3) \times (3 \times 33 + 3))$
:= $4/4 + (((4 \times 4 + 4)^{4-4/4}) - 44)$
:= $55 + (((5/5 + 5)^5 + 5 \times 5 \times 5) + 5/5)$
:= $6/6 + (6 \times ((6 \times (6 \times 6 \times 6 + 6)) - 6))$
:= $(77 \times (7 \times (7+7) + 7)) - ((7+7)/7)^7$
:= $8 \times 8 + ((8/8 + 8) \times (888 - 88/8))$
:= $9 + ((9 \times (9 \times 99 - 9) + 9/9) + 9)$
- **7958** := $(1+1) \times (((1+1+1) \times (11^{1+1+1} - 1)) - 11)$
:= $((2-22) \times (2 - (22-2)^2)) - 2$
:= $((33/3 + 3 \times 3)^3) - (3 \times 3 + 33)$
:= $(4+4)/4 + (((4 \times 4 + 4)^{4-4/4}) - 44)$
:= $55 + (((5/5 + 5)^5 + 5 \times 5 \times 5) + ((5+5)/5))$
:= $(6+6)/6 + (6 \times ((6 \times (6 \times 6 \times 6 + 6)) - 6))$
:= $77 + ((777/7 - 7) + 7777)$
:= $((8/8 + 8) \times (888 - ((8+8)/8))) - 8 - 8$
:= $9 + (9 \times (9 \times 99 - 9) + (99/9))$
- **7959** := $(1+1) \times (((1+1)^{1+1+1} - 111)) - 11$
:= $((2-22) \times (2 - (22-2)^2)) - 2/2$
:= $((3+3) \times (33/3)^3) - 3^3$
:= $4 + ((4 \times 4 + 4)^{4-4/4}) - (44 + 4/4)$
:= $(55 \times (5 \times (5 \times 5 + 5) - 5)) - (55/5 + 5)$
:= $6 + ((66/6) \times (((6 \times 6 / (6+6))^6) - 6))$
:= $(77 \times (777/7 - 7)) - 7 \times 7$
:= $88 + ((88 \times 88 - 8/8) + 8 \times (8+8))$
:= $9 + (9 \times (9 \times 99 - 9) + (99+9)/9)$
- **7960** := $1 + (((1+1) \times ((1+1)^{1+1+1} - 111)) - 11)$
:= $(2-22) \times (2 - (22-2)^2)$
:= $3/3 + (((3+3) \times (33/3)^3) - 3^3)$
:= $4 + (((4 \times 4 + 4)^{4-4/4}) - 44)$
:= $5 + ((5 \times (5 \times ((5^5 + 5) / (5+5) + 5))) + 5)$
:= $6 + (((6+6) \times 666) - ((6+6)/6 + 6 \times 6))$
:= $7/7 + ((77 \times (777/7 - 7)) - 7 \times 7)$
:= $88 + (88 \times 88 + 8 \times (8+8))$
:= $9 \times (9 \times 99 - 9) + ((99+99)/9)$
- **7961** := $11 + ((1+1) \times (((1+1)^{1+1+1} - 11^{1+1}))$
:= $2/2 + ((2-22) \times (2 - (22-2)^2))$
:= $((33/3 + 3 \times 3)^3) - (33 + 3 + 3)$
:= $((44 + 4/4) \times (4 \times 44 + 4/4)) - 4$
:= $5 + (((5/5 + 5)^5 + 5 \times 5 \times 5) + 55)$
:= $6 + ((6 \times 6 + 6/6) \times (6 \times 6 \times 6 - 6/6))$
:= $7 + ((7777 + ((7+7)/7)^7) + 7 \times 7)$
:= $88 \times (8+8) + ((88/8 - 8)^8 - 8)$
:= $9 \times (999 + 9) - 9999/9$
- **7962** := $(1+1) \times (((1+1+1) \times 11^{1+1+1}) - (1+11))$
:= $2 + ((2-22) \times (2 - (22-2)^2))$
:= $3 + (((3+3) \times (33/3)^3) - 3^3)$
:= $44 + ((44 \times (4 \times 44 + 4)) - (4+4)/4)$
:= $5 + (((5/5 + 5)^5 + 5 \times 5 \times 5) + 55) + 5/5$
:= $6 + (6 \times ((6 \times (6 \times 6 \times 6 + 6)) - 6))$
:= $7777 + ((7+7) \times (7+7) - (77/7))$
:= $8 + (((8+8) \times (8 \times 8 \times 8 - 8)) + ((8 - 888)/8))$
:= $9 \times 9 + (999/9 \times (9 \times 9 - (9/9 + 9)))$
- **7963** := $11 + (((11-1)^{1+1+1+1}) - (1+1)^{11})$
:= $2 + (((2-22) \times (2 - (22-2)^2)) + 2/2)$
:= $3 + (((3+3) \times (33/3)^3) - 3^3) + 3/3$
:= $44 + ((44 \times (4 \times 44 + 4)) - 4/4)$
:= $(55 \times (5 \times (5 \times 5 + 5) - 5)) - (55+5)/5$
:= $6 + ((6 \times ((6 \times (6 \times 6 \times 6 + 6)) - 6)) + 6/6)$
:= $7 + ((77/7 + 7) \times (7 \times (7 \times 7 + 7 + 7) + 7/7))$
:= $8 + (((8+8) \times (8 \times 8 \times 8 - 8 - 8)) + (88/8) + 8)$
:= $9 + ((9/9 + 9 \times 9) \times (99 - ((9+9)/9)))$
- **7964** := $(1+1) \times (11 \times ((11 \times (11 \times (1+1+1))) - 1))$
:= $222 + ((2 \times 2 \times 22)^2 - 2)$
:= $((33/3 + 3 \times 3)^3) - (33 + 3)$
:= $44 + (44 \times (4 \times 44 + 4))$
:= $(55 \times (5 \times (5 \times 5 + 5) - 5)) - 55/5$
:= $66/6 \times ((66 \times 66 - 6 - 6)/6)$
:= $7 + ((77 \times (7 \times (7+7) + 7)) - ((7+7)/7)^7)$
:= $8 + ((8/8 + 8) \times (888 - 8 \times 8 / (8+8)))$
:= $9 + (((9 \times (9 \times 99 - 9) - 9/9) + 9) + 9)$
- **7965** := $1 + ((1+1) \times (11 \times ((11 \times (11 \times (1+1+1))) - 1)))$
:= $222 + ((2 \times 2 \times 22)^2 - 2/2)$
:= $3 \times (3 \times ((33 \times 3^3) - (3+3)))$
:= $(44 + 4/4) \times (4 \times 44 + 4/4)$
:= $(55 \times (5 \times (5 \times 5 + 5) - 5)) - 5 - 5$
:= $6 + (((66/6) \times (((6 \times 6 / (6+6))^6) - 6)) + 6)$
:= $77 + (777/7 + 7777)$
:= $(8/8 + 8) \times (888 - 88/8 + 8)$
:= $9 + ((9 \times (9 \times 99 - 9) + 9) + 9)$
- **7966** := $(1+1) \times (((1+1)^{1+1+1}) - (1+1+111))$
:= $222 + (2 \times 2 \times 22)^2$
:= $3/3 + (3 \times (3 \times ((33 \times 3^3) - (3+3))))$
:= $44 + ((44 \times (4 \times 44 + 4)) + (4+4)/4)$
:= $5 + (((5/5 + 5)^5 + 5 \times 5 \times 5) + 55) + 5$
:= $((6+6)/6) \times (6 \times 666 - (6/6 + 6 + 6))$
:= $77 + (7 \times (77 \times (7+7) + 7 \times 7))$
:= $((8/8 + 8) \times (888 - ((8+8)/8))) - 8$
:= $9 + (((9 \times (9 \times 99 - 9) + 9/9) + 9) + 9)$
- **7967** := $((1+1) \times (((1+1)^{1+1+1}) - (1+111))) - 1$
:= $2/2 + ((2 \times 2 \times 22)^2 + 222)$
:= $((33/3 + 3 \times 3)^3) - 33$
:= $(4/4 + 4^4) \times (4 \times (4+4) - 4/4)$
:= $5 \times 5 + ((555/5 + (5/5 + 5)^5) + 55)$
:= $66/6 + (6 \times ((6 \times (6 \times 6 \times 6 + 6)) - 6))$
:= $7/7 + ((7 \times (77 \times (7+7) + 7 \times 7)) + 77)$
:= $((8/8 + 8) \times (888 - 8/8)) - 8 - 8$
:= $9 + ((9 \times (9 \times 99 - 9) + (99/9)) + 9)$

$$\begin{aligned}
\blacktriangleright 7968 &:= (1+1) \times (((1+1)^{1+11}) - (1+111)) \\
&:= 2 + ((2 \times 2 \times 22)^2 + 222) \\
&:= (3+3) \times ((33/3)^3 - 3) \\
&:= (4+4) \times ((4 \times (4^4 - 4 - 4)) + 4) \\
&:= ((5+5)/5)^5 \times (5 \times 5 \times (5+5) - 5/5) \\
&:= (6+6) \times (666 - ((6+6)/6)) \\
&:= ((7+7)/7)^7 + (7 \times (7 \times 7 \times 7 + 777)) \\
&:= (88+8) \times ((88/8 + 8 \times 8) + 8) \\
&:= (9-9/9) \times (999 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7969 &:= ((1+1) \times (((1+1)^{1+11}) - 111)) - 1 \\
&:= (2^{22/2+2}) - (222 + 2/2) \\
&:= 3/3 + ((3+3) \times ((33/3)^3 - 3)) \\
&:= 4 + ((44 + 4/4) \times (4 \times 44 + 4/4)) \\
&:= (55 \times (5 \times (5 \times 5 + 5) - 5)) - (5/5 + 5) \\
&:= 6/6 + ((6+6) \times (666 - ((6+6)/6))) \\
&:= ((7+7+7)/7)^7 + (7 \times (777 + 7 \times 7)) \\
&:= 88 \times (8+8) + (88/8 - 8)^8 \\
&:= 9 \times 9 \times 99 - ((9 \times 99 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7970 &:= (1+1) \times (((1+1)^{1+11}) - 111) \\
&:= (2^{22/2+2}) - 222 \\
&:= 3 + (((33/3 + 3 \times 3)^3) - 33) \\
&:= (4+4)/4 \times ((4+4)^4 - 444/4) \\
&:= (55 \times (5 \times (5 \times 5 + 5) - 5)) - 5 \\
&:= ((6+6)/6) \times (6 \times 666 - (66/6)) \\
&:= 7 \times 7 + (((77+7)/7 + 77)^{(7+7)/7}) \\
&:= 8/8 + ((88/8 - 8)^8 + 88 \times (8+8)) \\
&:= 9 \times 9 \times 99 + ((9-9 \times 99)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7971 &:= 1 + ((1+1) \times (((1+1)^{1+11}) - 111)) \\
&:= 2/2 + ((2^{22/2+2}) - 222) \\
&:= 3 + ((3+3) \times ((33/3)^3 - 3)) \\
&:= 4 + ((4/4 + 4^4) \times (4 \times (4+4) - 4/4)) \\
&:= 5/5 + ((55 \times (5 \times (5 \times 5 + 5) - 5)) - 5) \\
&:= (6^6 - 6/6) + ((6 \times 66 - 6)/(6+6)/6) \\
&:= 7777 + ((7+7) \times (7+7) - ((7+7)/7)) \\
&:= 88 + ((88 \times 88 + 8 \times (8+8)) + (88/8)) \\
&:= 9 \times (9 \times 99 - 9) + (99/((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7972 &:= (1+1) \times (1 + (((1+1)^{1+11}) - 111)) \\
&:= 2 + ((2^{22/2+2}) - 222) \\
&:= 3 + (((3+3) \times ((33/3)^3 - 3)) + 3/3) \\
&:= 4 + ((4+4) \times ((4 \times (4^4 - 4 - 4)) + 4)) \\
&:= (5+5)/5 + ((55 \times (5 \times (5 \times 5 + 5) - 5)) - 5) \\
&:= ((6+6)/6) \times (((6-66)/6) + 6 \times 666) \\
&:= 7777 + ((7+7) \times (7+7) - 7/7) \\
&:= ((8/8+8) \times 888) - ((88+8)/8+8) \\
&:= 999 \times (9-9/9) - (99/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7973 &:= 1 + ((1+1) \times (1 + (((1+1)^{1+11}) - 111))) \\
&:= 2 + (((2^{22/2+2}) - 222) + 2/2) \\
&:= ((33/3 + 3 \times 3)^3) - 3^3 \\
&:= 4 + (((44 + 4/4) \times (4 \times 44 + 4/4)) + 4) \\
&:= (55 \times (5 \times (5 \times 5 + 5) - 5)) - (5+5)/5 \\
&:= ((6+6) \times 666) - ((6/6 + 6+6) + 6) \\
&:= 7777 + (7+7) \times (7+7) \\
&:= ((8/8+8) \times 888) - (88/8+8) \\
&:= 999 \times (9-9/9) - (9/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7974 &:= (1+1) \times (1 + (1 + (((1+1)^{1+11}) - 111))) \\
&:= 2 + (((2^{22/2+2}) - 222) + 2) \\
&:= 3 + (((3+3) \times ((33/3)^3 - 3)) + 3) \\
&:= ((4+4)/4 + 4 \times 4) \times (444 - 4/4) \\
&:= (55 \times (5 \times (5 \times 5 + 5) - 5)) - 5/5 \\
&:= ((6+6) \times 666) - 6 - 6 - 6 \\
&:= 7/7 + (7777 + (7+7) \times (7+7)) \\
&:= (8/8+8) \times (888 - ((8+8)/8)) \\
&:= 999 \times (9-9/9) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7975 &:= 11 \times (((1+1) \times (11 \times (11 \times (1+1+1)))) - 1) \\
&:= 22/2 \times ((22^2 - 2)/2 + 22^2) \\
&:= 33/3 \times (3^{3+3} - (3/3 + 3)) \\
&:= 4 + (((4/4 + 4^4) \times (4 \times (4+4) - 4/4)) + 4) \\
&:= 55 \times (5 \times (5 \times 5 + 5) - 5) \\
&:= 66/6 \times ((66 \times 66 - 6)/6) \\
&:= 77 + (((7+7)/7)^7 - 7) + 7777 \\
&:= ((8/8+8) \times (888 - 8/8)) - 8 \\
&:= ((9-9/9) \times (999 - 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7976 &:= 1 + (11 \times (((1+1) \times (11 \times (11 \times (1+1+1)))) - 1)) \\
&:= (22-2)^{2/2+2} - 22 - 2 \\
&:= 3 + (((33/3 + 3 \times 3)^3) - 3^3) \\
&:= (4+4) \times (4 \times (4^4 - 4) - 44/4) \\
&:= 5/5 + (55 \times (5 \times (5 \times 5 + 5) - 5)) \\
&:= (6-66)/6 + (((6+6) \times 666) - 6) \\
&:= 7 + ((7 \times (777 + 7 \times 7)) + ((7+7+7)/7)^7) \\
&:= ((8+8) \times (8 \times 8 \times 8 - 8)) - 88 \\
&:= (9-9/9) \times (999 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7977 &:= (1+1+1) \times (((1+1) \times (11^{1+1+1} - 1)) - 1) \\
&:= (22-2)^{2/2+2} - 22 - 2/2 \\
&:= ((3+3) \times (33/3)^3) - 3 \times 3 \\
&:= 4/4 + ((4+4) \times (4 \times (4^4 - 4) - 44/4)) \\
&:= (5+5)/5 + (55 \times (5 \times (5 \times 5 + 5) - 5)) \\
&:= (6^6 - 6/6) + ((6 \times 66 + 6)/(6+6)/6) \\
&:= 77 \times 77 + (((7+7)/7)^{7/7}) \\
&:= 8 + ((88/8 - 8)^8 + 88 \times (8+8)) \\
&:= 9 + ((9 \times (9 \times 99 - (9+9))) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7978 &:= (1+1) \times (((1+1+1) \times (11^{1+1+1} - 1)) - 1) \\
&:= (22-2)^{2/2+2} - 22 \\
&:= 3 + (33/3 \times (3^{3+3} - (3/3 + 3))) \\
&:= 4 + (((4+4)/4 + 4 \times 4) \times (444 - 4/4)) \\
&:= 5 + ((55 \times (5 \times (5 \times 5 + 5) - 5)) - ((5+5)/5)) \\
&:= ((6+6)/6) \times (6 \times 666 - (6/6 + 6)) \\
&:= ((7/7 + 7+7) \times (7 \times 77 - 7)) - (7+7)/7 \\
&:= (8+8)/8 + (((8+8) \times (8 \times 8 \times 8 - 8)) - 88) \\
&:= 9 \times 9 \times 99 - ((9 \times 9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7979 &:= ((1+1) \times ((1+1+1) \times (11^{1+1+1} - 1))) - 1 \\
&:= 2/2 + ((22-2)^{2/2+2} - 22) \\
&:= 3 + (((33/3 + 3 \times 3)^3) - 3^3) + 3) \\
&:= 44 + ((4 \times 4^4 \times (4+4)) - (4/4 + 4^4)) \\
&:= 5 + ((55 \times (5 \times (5 \times 5 + 5) - 5)) - 5/5) \\
&:= ((6+6) \times 666) - (6/6 + 6+6) \\
&:= ((7/7 + 7+7) \times (7 \times 77 - 7)) - 7/7 \\
&:= (88 - (8/8+8)) \times (8888/88) \\
&:= 9 \times 9 \times 99 + ((9-9 \times 9 \times 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7980 &:= (1+1) \times ((1+1+1) \times (11^{1+1+1} - 1)) \\
&:= 2 + ((22-2)^{2/2+2} - 22) \\
&:= (3+3) \times ((33/3)^3 - 3/3) \\
&:= 44 + (4 \times ((4+4) \times (4^4 - 4 - 4))) \\
&:= 5 + (55 \times (5 \times (5 \times 5 + 5) - 5)) \\
&:= (6+6) \times (666 - 6/6) \\
&:= (7/7 + 7+7) \times (7 \times 77 - 7) \\
&:= ((8/8+8) \times 888) - (88+8)/8 \\
&:= 9 \times (9 \times 99 + 9) - (999/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7981 &:= 1 + ((1+1) \times ((1+1+1) \times (11^{1+1+1} - 1))) \\
&:= (222 \times (2+2+2)^2) - 22/2 \\
&:= ((3^3 - 3) \times 333) - 33/3 \\
&:= 4 \times 4 + ((44 + 4/4) \times (4 \times 44 + 4/4)) \\
&:= 55555/5 - (5^5 + 5) \\
&:= ((6+6) \times 666) - 66/6 \\
&:= 7/7 + ((7/7 + 7+7) \times (7 \times 77 - 7)) \\
&:= ((8/8+8) \times 888) - 88/8 \\
&:= 999 \times (9-9/9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7982 &:= (1+1) \times (1 + ((1+1+1) \times (11^{1+1+1} - 1))) \\
&:= 2 + (((22-2)^{2/2+2} - 22) + 2) \\
&:= ((33/3 + 3 \times 3)^3) - (3 \times (3+3)) \\
&:= 4^4 + ((4 \times (44 + 44 - 4)) - (4+4)/4) \\
&:= (5 \times 5 + 5/5) \times (5^5 - 55)/(5+5) \\
&:= (6-66)/6 + ((6+6) \times 666) \\
&:= 77 + (7777 + ((7+7)/7)^7) \\
&:= 8 + ((8/8+8) \times (888 - ((8+8)/8))) \\
&:= 999 \times (9-9/9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7983 &:= (1+1+1) \times (((1+1) \times 11^{1+1+1}) - 1) \\
&:= 2 + ((222 \times (2+2+2)^2) - 22/2) \\
&:= (3+3) \times (33/3)^3 - 3 \\
&:= 4^4 + ((4 \times (44 \times 44 - 4)) - 4/4) \\
&:= ((5+5)/5 \times (5555 - 5/5)) - 5^5 \\
&:= (((6-66) + 6)/6) + ((6+6) \times 666) \\
&:= 7/7 + ((7777 + ((7+7)/7)^7) + 77) \\
&:= (8/8 + 8) \times (888 - 8/8) \\
&:= 999 \times (9 - 9/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7984 &:= (1+1) \times (((1+1+1) \times 11^{1+1+1}) - 1) \\
&:= (22-2)^{2/2+2} - 2^{2+2} \\
&:= 3/3 + (((3+3) \times (33/3)^3) - 3) \\
&:= 4^4 + (4 \times (44 \times 44 - 4)) \\
&:= (5/5 + 5)^5 + ((5^5 - 5)/(5+5+5)) \\
&:= ((6+6) \times 666) - ((6+6)/6 + 6) \\
&:= 7 + (((7+7)/7)^{77/7} + 77 \times 77) \\
&:= ((8/8 + 8) \times 888) - 8 \\
&:= (9 - 9/9) \times (999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7985 &:= ((1+1) \times ((1+1+1) \times 11^{1+1+1})) - 1 \\
&:= (22^2 - 2)/2 + (2 \times 2 \times 22)^2 \\
&:= (3+3) \times (33/3)^3 - 3/3 \\
&:= 4/4 + ((4 \times (44 \times 44 - 4)) + 4^4) \\
&:= 5 + ((55 \times (5 \times (5 \times 5 + 5) - 5)) + 5) \\
&:= ((6+6) \times 666) - 6/6 - 6 \\
&:= (777/7 \times (((7+7)/7 - 7) + 77)) - 7 \\
&:= 8/8 + (((8/8 + 8) \times 888) - 8) \\
&:= 9 + ((9 - 9/9) \times (999 - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7986 &:= (1+1) \times ((1+1+1) \times 11^{1+1+1}) \\
&:= 22 \times (((22 - (2/2 + 2))^2) + 2) \\
&:= (3+3) \times (33/3)^3 \\
&:= ((4+4)/4 + 4) \times ((44/4)^{4-4/4}) \\
&:= 55555/5 - 5^5 \\
&:= ((6+6) \times 666) - 6 \\
&:= (7 - 7/7) \times ((77/7)^{(7+7+7)/7}) \\
&:= (8+8)/8 + (((8/8 + 8) \times 888) - 8) \\
&:= 99/9 \times (9 \times 9 \times 9 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7987 &:= 1 + ((1+1) \times ((1+1+1) \times 11^{1+1+1})) \\
&:= (22^2 + 2)/2 + (2 \times 2 \times 22)^2 \\
&:= 3/3 + ((3+3) \times (33/3)^3) \\
&:= 4 + (((4 \times (44 \times 44 - 4)) - 4/4) + 4^4) \\
&:= 5/5 + (55555/5 - 5^5) \\
&:= 6/6 + (((6+6) \times 666) - 6) \\
&:= 7 + ((7/7 + 7 + 7) \times (7 \times 77 - 7)) \\
&:= 88/8 + (((8+8) \times (8 \times 8 \times 8 - 8)) - 88) \\
&:= 9 + (9 \times 9 \times 99 - ((9 \times 9 \times 9 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7988 &:= (1+1) \times (1 + ((1+1+1) \times 11^{1+1+1})) \\
&:= 2 \times ((222 \times (2^{2+2} + 2)) - 2) \\
&:= 3 + (((3+3) \times (33/3)^3) - 3/3) \\
&:= 4 + ((4 \times (44 \times 44 - 4)) + 4^4) \\
&:= (5+5)/5 + (55555/5 - 5^5) \\
&:= (6+6)/6 + (((6+6) \times 666) - 6) \\
&:= 7 + (((7/7 + 7 + 7) \times (7 \times 77 - 7)) + 7/7) \\
&:= ((8/8 + 8) \times 888) - 8 \times 8/(8+8) \\
&:= 9 \times 9 \times 99 - (((99+99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7989 &:= (((1+1) \times (11-1))^{1+1+1}) - 11 \\
&:= (22-2)^{2/2+2} - 22/2 \\
&:= 3 + ((3+3) \times (33/3)^3) \\
&:= ((4 \times 4 + 4)^{4-4/4}) - 44/4 \\
&:= ((5 \times 5 - 5)^{5-(5+5)/5}) - 55/5 \\
&:= ((6+6) \times 666) - 6 \times 6/(6+6) \\
&:= 7 + ((7777 + ((7+7)/7)^7) + 77) \\
&:= 8 + (((8/8 + 8) \times 888) - (88/8)) \\
&:= 9 \times (9 \times 99 + 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7990 &:= 1 + (((1+1) \times (11-1))^{1+1+1}) - 11 \\
&:= (222 \times (2+2+2)^2) - 2 \\
&:= 3 + (((3+3) \times (33/3)^3) + 3/3) \\
&:= (4-44)/4 + ((4 \times 4 + 4)^{4-4/4}) \\
&:= ((5 \times 5 - 5)^{5-(5+5)/5}) - 5 - 5 \\
&:= ((6+6) \times 666) - (6+6)/6 \\
&:= (77 \times (777/7 - 7)) - (77/7 + 7) \\
&:= ((8/8 + 8) \times 888) - (8+8)/8 \\
&:= 9 \times 9 \times 99 - (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7991 &:= (111 \times ((1+11)^{1+1}/(1+1))) - 1 \\
&:= (222 \times (2+2+2)^2) - 2/2 \\
&:= ((33/3 + 3 \times 3)^3) - 3 \times 3 \\
&:= ((4 \times 4 + 4)^{4-4/4}) - (4/4 + 4 + 4) \\
&:= 5 + (55555/5 - 5^5) \\
&:= ((6+6) \times 666) - 6/6 \\
&:= 77/7 + ((7/7 + 7 + 7) \times (7 \times 77 - 7)) \\
&:= ((8/8 + 8) \times 888) - 8/8 \\
&:= 999 \times (9 - 9/9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7992 &:= 111 \times ((1+11)^{1+1}/(1+1)) \\
&:= 222 \times (2+2+2)^2 \\
&:= (3^3 - 3) \times 333 \\
&:= 444 \times ((4+4)/4 + 4 \times 4) \\
&:= 5 + ((55555/5 - 5^5) + 5/5) \\
&:= (6+6) \times 666 \\
&:= 777/7 \times (((7+7)/7 - 7) + 77) \\
&:= (8/8 + 8) \times 888 \\
&:= 999 \times (9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7993 &:= 1 + (111 \times ((1+11)^{1+1}/(1+1))) \\
&:= 2/2 + (222 \times (2+2+2)^2) \\
&:= 3/3 + ((3^3 - 3) \times 333) \\
&:= 4 + (((4 \times 4 + 4)^{4-4/4}) - 44/4) \\
&:= ((5 \times 5 - 5)^{5-(5+5)/5}) - ((5+5)/5 + 5) \\
&:= 6/6 + ((6+6) \times 666) \\
&:= (((7-7/7+7) + 7)^{(7+7+7)/7}) - 7 \\
&:= 8/8 + ((8/8 + 8) \times 888) \\
&:= 9/9 + 999 \times (9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7994 &:= 1 + (1 + (111 \times ((1+11)^{1+1}/(1+1)))) \\
&:= 2 + (222 \times (2+2+2)^2) \\
&:= ((33/3 + 3 \times 3)^3) - 3 - 3 \\
&:= ((4 \times 4 + 4)^{4-4/4}) - ((4+4)/4 + 4) \\
&:= ((5 \times 5 - 5)^{5-(5+5)/5}) - (5/5 + 5) \\
&:= (6+6)/6 + ((6+6) \times 666) \\
&:= (77 \times (777/7 - 7)) - (7+7) \\
&:= (8+8)/8 + ((8/8 + 8) \times 888) \\
&:= (9+9)/9 + 999 \times (9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7995 &:= (1+1+1) \times (1 + ((1+1) \times 1 + 11^{1+1+1})) \\
&:= 2 + ((222 \times (2+2+2)^2) + 2/2) \\
&:= 3 + ((3^3 - 3) \times 333) \\
&:= ((4 \times 4 + 4)^{4-4/4}) - 4/4 - 4 \\
&:= ((5 \times 5 - 5)^{5-(5+5)/5}) - 5 \\
&:= (6 \times 6/(6+6)) + ((6+6) \times 666) \\
&:= (7/7 + 7 + 7) \times ((7 \times 77 - 7) + 7/7) \\
&:= 88/8 + (((8/8 + 8) \times 888) - 8) \\
&:= ((9+9+9)/9) + 999 \times (9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7996 &:= (((1+1) \times (11-1))^{1+1+1}) - 1 - 1 - 1 - 1 \\
&:= (22-2)^{2/2+2} - 2 - 2 \\
&:= 3 + (((3^3 - 3) \times 333) + 3/3) \\
&:= ((4 \times 4 + 4)^{4-4/4}) - 4 \\
&:= 5 \times 55 + ((5/5 + 5)^5 - 55) \\
&:= 6 + (((6+6) \times 666) - ((6+6)/6)) \\
&:= (((7+7)/7)^{7-7/7+7}) - (7+7) \times (7+7) \\
&:= 8 \times 8/(8+8) + ((8/8 + 8) \times 888) \\
&:= 9 \times 9 \times 99 - (99 + 99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7997 &:= 11 \times ((11-1-1)^{1+1+1} - (1+1)) \\
&:= (22-2)^{2/2+2} - 2/2 - 2 \\
&:= ((33/3 + 3 \times 3)^3) - 3 \\
&:= 4/4 + (((4 \times 4 + 4)^{4-4/4}) - 4) \\
&:= 5/5 + (((5/5 + 5)^5 - 55) + 5 \times 55) \\
&:= 6 + (((6+6) \times 666) - 6/6) \\
&:= 77/7 \times (777 - (7/7 + 7 \times 7)) \\
&:= 8 + (((8/8 + 8) \times 888) - (88/8)) + 8 \\
&:= 99/9 \times (9 \times 9 \times 9 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7998 &:= (((1+1) \times (11-1))^{1+1+1}) - 1 - 1 \\
&:= (22-2)^{2/2+2} - 2 \\
&:= 3 + (((3^3-3) \times 333) + 3) \\
&:= ((4 \times 4 + 4)^{4-4/4}) - (4+4)/4 \\
&:= ((5 \times 5 - 5)^{5-(5+5)/5}) - (5+5)/5 \\
&:= 6 + ((6+6) \times 666) \\
&:= 77 + (((77+7)/7 + 77)^{(7+7)/7}) \\
&:= 8 + (((8/8+8) \times 888) - ((8+8)/8)) \\
&:= 9 \times 9 \times 99 - ((99+9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 7999 &:= (((1+1) \times (11-1))^{1+1+1}) - 1 \\
&:= (22-2)^{2/2+2} - 2/2 \\
&:= ((33/3 + 3 \times 3)^3) - 3/3 \\
&:= ((4 \times 4 + 4)^{4-4/4}) - 4/4 \\
&:= ((5 \times 5 - 5)^{5-(5+5)/5}) - 5/5 \\
&:= 6 + (((6+6) \times 666) + 6/6) \\
&:= 7 + (777/7 \times (((7+7)/7 - 7) + 77)) \\
&:= 8 + (((8/8+8) \times 888) - 8/8) \\
&:= 9 \times 9 \times 99 - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8000 &:= ((1+1) \times (11-1))^{1+1+1} \\
&:= (22-2)^{2/2+2} \\
&:= (33/3 + 3 \times 3)^3 \\
&:= (4 \times 4 + 4)^{4-4/4} \\
&:= (5 \times 5 - 5)^{5-(5+5)/5} \\
&:= 6 + (((6+6) \times 666) + ((6+6)/6)) \\
&:= ((7-7/7+7) + 7)^{(7+7+7)/7} \\
&:= 8 + ((8/8+8) \times 888) \\
&:= (9-9/9) \times (999+9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8001 &:= 1 + (((1+1) \times (11-1))^{1+1+1}) \\
&:= 2/2 + (22-2)^{2/2+2} \\
&:= 3 \times ((3 \times ((33 \times 3^3) - 3)) + 3) \\
&:= 4/4 + ((4 \times 4 + 4)^{4-4/4}) \\
&:= 5/5 + ((5 \times 5 - 5)^{5-(5+5)/5}) \\
&:= 6 + (((6+6) \times 666) + (6 \times 6/(6+6))) \\
&:= (77 \times (777/7 - 7)) - 7 \\
&:= (8/8+8) \times (888+8/8) \\
&:= 9 \times 9 \times 99 - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8002 &:= 1 + (1 + (((1+1) \times (11-1))^{1+1+1})) \\
&:= 2 + (22-2)^{2/2+2} \\
&:= 3 + (((33/3 + 3 \times 3)^3) - 3/3) \\
&:= (4+4)/4 + ((4 \times 4 + 4)^{4-4/4}) \\
&:= (5+5)/5 + ((5 \times 5 - 5)^{5-(5+5)/5}) \\
&:= ((66-6)/6) + ((6+6) \times 666) \\
&:= 7/7 + ((77 \times (777/7 - 7)) - 7) \\
&:= 8 + (((8/8+8) \times 888) + ((8+8)/8)) \\
&:= 9/9 + (9 \times 9 \times 99 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8003 &:= 1 + (1 + (1 + (((1+1) \times (11-1))^{1+1+1}))) \\
&:= 2 + ((22-2)^{2/2+2} + 2/2) \\
&:= 3 + ((33/3 + 3 \times 3)^3) \\
&:= 4 + (((4 \times 4 + 4)^{4-4/4}) - 4/4) \\
&:= 5 + (((5 \times 5 - 5)^{5-(5+5)/5}) - ((5+5)/5)) \\
&:= 66/6 + ((6+6) \times 666) \\
&:= (7+7)/7 + ((77 \times (777/7 - 7)) - 7) \\
&:= 88/8 + ((8/8+8) \times 888) \\
&:= (9+9)/9 + (9 \times 9 \times 99 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8004 &:= ((111-1)^{1+1}) - ((1+1)^{1+1+1}) \\
&:= 2 + ((22-2)^{2/2+2} + 2) \\
&:= (3+3) \times ((33/3)^3 + 3) \\
&:= 4 + ((4 \times 4 + 4)^{4-4/4}) \\
&:= 5 + (((5 \times 5 - 5)^{5-(5+5)/5}) - 5/5) \\
&:= 6 + (((6+6) \times 666) + 6) \\
&:= 7 + (77/7 \times (777 - (7/7 + 7 \times 7))) \\
&:= ((88+8)/8) + ((8/8+8) \times 888) \\
&:= 9 \times 9 \times 99 + (((9+9+9)/9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8005 &:= 1 + (((111-1)^{1+1}) - ((1+1)^{1+1+1})) \\
&:= 2 + (((22-2)^{2/2+2} + 2/2) + 2) \\
&:= 3/3 + ((3+3) \times ((33/3)^3 + 3)) \\
&:= 4 + (((4 \times 4 + 4)^{4-4/4}) + 4/4) \\
&:= 5 + ((5 \times 5 - 5)^{5-(5+5)/5}) \\
&:= 6 + (((6+6) \times 666) + 6/6 + 6) \\
&:= (77 \times (777/7 - 7)) - (7+7+7)/7 \\
&:= (88+8+8)/8 + ((8/8+8) \times 888) \\
&:= 9 \times 9 \times 99 + (((9-99)/(9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8006 &:= (11 \times ((11-1-1)^{1+1+1} - 1)) - 1 - 1 \\
&:= 2 + (((22-2)^{2/2+2} + 2) + 2) \\
&:= 3 + (((33/3 + 3 \times 3)^3) + 3) \\
&:= 4 + (((4 \times 4 + 4)^{4-4/4}) + (4+4)/4) \\
&:= 5 + (((5 \times 5 - 5)^{5-(5+5)/5}) + 5/5) \\
&:= 6 + (((6+6) \times 666) + ((6+6)/6) + 6) \\
&:= (77 \times (777/7 - 7)) - (7+7)/7 \\
&:= 8 + (((8/8+8) \times 888) - ((8+8)/8) + 8) \\
&:= 9 \times 9 \times 99 - (99+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8007 &:= (11 \times ((11-1-1)^{1+1+1} - 1)) - 1 \\
&:= 2 + (((22-2)^{2/2+2} + 2/2) + 2) + 2 \\
&:= 3 + ((3+3) \times ((33/3)^3 + 3)) \\
&:= 4 + (((4 \times 4 + 4)^{4-4/4}) - 4/4) + 4 \\
&:= 5 + (((5 \times 5 - 5)^{5-(5+5)/5}) + ((5+5)/5)) \\
&:= ((66/6) \times ((6 \times 6/(6+6))^6)) - 6 - 6 \\
&:= (77 \times (777/7 - 7)) - 7/7 \\
&:= 8 + (((8/8+8) \times 888) - 8/8) + 8 \\
&:= 9 \times 9 \times 99 - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8008 &:= 11 \times ((11-1-1)^{1+1+1} - 1) \\
&:= 2 \times (2+2) + (22-2)^{2/2+2} \\
&:= 33/3 \times (3^{3+3} - 3/3) \\
&:= 4 + (((4 \times 4 + 4)^{4-4/4}) + 4) \\
&:= (5 \times 5 + 5/5) \times ((5^5 + 5)/(5+5) - 5) \\
&:= 6 + (((6+6) \times 666) + ((66-6)/6)) \\
&:= 77 \times (777/7 - 7) \\
&:= 8 + (((8/8+8) \times 888) + 8) \\
&:= 9 \times 9 \times 99 - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8009 &:= 1 + (11 \times ((11-1-1)^{1+1+1} - 1)) \\
&:= 22/2 + ((22-2)^{2/2+2} - 2) \\
&:= 3 \times 3 + ((33/3 + 3 \times 3)^3) \\
&:= 4 + (((4 \times 4 + 4)^{4-4/4}) + 4/4) + 4 \\
&:= 5 + (((5 \times 5 - 5)^{5-(5+5)/5}) - 5/5) + 5 \\
&:= 6 + (((6+6) \times 666) + (66/6)) \\
&:= 7/7 + (77 \times (777/7 - 7)) \\
&:= 8 + ((8/8+8) \times (888+8/8)) \\
&:= 9 \times 9 \times 99 - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8010 &:= 11 + (((1+1) \times (11-1))^{1+1+1}) - 1 \\
&:= 2 + (((22-2)^{2/2+2} + 2 \times (2+2)) \\
&:= 3 \times ((3 \times (33 \times 3^3)) - 3) \\
&:= (44-4)/4 + ((4 \times 4 + 4)^{4-4/4}) \\
&:= 5 + (((5 \times 5 - 5)^{5-(5+5)/5}) + 5) \\
&:= 6 + (((6+6) \times 666) + 6) + 6 \\
&:= (7+7)/7 + (77 \times (777/7 - 7)) \\
&:= (8/8+8) \times (888 + ((8+8)/8)) \\
&:= 9 \times 9 \times 99 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8011 &:= 11 + (((1+1) \times (11-1))^{1+1+1}) \\
&:= 22/2 + (22-2)^{2/2+2} \\
&:= 3 + (33/3 \times (3^{3+3} - 3/3)) \\
&:= 44/4 + ((4 \times 4 + 4)^{4-4/4}) \\
&:= 5 \times 5 + (55555/5 - 5^5) \\
&:= 6 + (((6+6) \times 666) + 6/6) + 6 + 6 \\
&:= (7+7+7)/7 + (77 \times (777/7 - 7)) \\
&:= 8 + (((8/8+8) \times 888) + (88/8)) \\
&:= 9/9 + (9 \times 9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8012 &:= 1 + (11 + (((1+1) \times (11-1))^{1+1+1})) \\
&:= 2 \times (2 \times ((2 \times 22 + 2/2)^2 - 22)) \\
&:= 3 + (((33/3 + 3 \times 3)^3) + 3 \times 3) \\
&:= (4 \times (4^4 \times (4+4) - 44)) - 4 \\
&:= 5 \times 5 \times 5 + (555/5 + (5/5 + 5)^5) \\
&:= 6 + (((6+6) \times 666) + ((6+6)/6) + 6) + 6 \\
&:= 77/7 + ((77 \times (777/7 - 7)) - 7) \\
&:= (((8+8)/8 + 88)^{(8+8)/8}) - 88 \\
&:= (9+9)/9 + (9 \times 9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8013 &:= 1 + (1 + (11 + (((1 + 1) \times (11 - 1))^{1+1+1}))) \\
&:= 2 + ((22 - 2)^{2/2+2} + 22/2) \\
&:= 3 + (3 \times (3 \times (33 \times 3^3)) - 3) \\
&:= 4/4 + ((4 \times (4^4 \times (4 + 4) - 44)) - 4) \\
&:= 5 + ((5 \times 5 + 5/5) \times ((5^5 + 5)/5 - 5)) \\
&:= ((66/6) \times ((6 \times 6/(6 + 6))^6)) - 6 \\
&:= 7 + ((77 \times (777/7 - 7)) - ((7 + 7)/7)) \\
&:= 8 + (((8/8 + 8) \times 888) + (88 + 8 + 8)/8) \\
&:= 9 \times 9 \times 99 + (((9 + 9 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8014 &:= 1 + (1 + (1 + (11 + (((1 + 1) \times (11 - 1))^{1+1+1})))) \\
&:= 22 + (222 \times (2 + 2 + 2)^2) \\
&:= 3 + ((33/3 \times (3^3+3 - 3/3)) + 3) \\
&:= (4 \times (4^4 \times (4 + 4) - 44)) - (4 + 4)/4 \\
&:= (5/5 + 5)^5 + (((5 - (5 + 5)/5)^5) - 5) \\
&:= ((6 + 6)/6) \times (6 \times 666 + (66/6)) \\
&:= 7 + ((77 \times (777/7 - 7)) - 7/7) \\
&:= ((8 + 8)/8) \times (8 \times 8 \times 8 - (8/8 + 88)) \\
&:= 9 \times 9 \times 99 + ((9 - 99)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8015 &:= 11 + (((111 - 1)^{1+1}) - ((1 + 1)^{1+1+1})) \\
&:= 2 + (((22 - 2)^{2/2+2} + 22/2) + 2) \\
&:= (3 \times (3 \times (33 \times 3^3))) - (3/3 + 3) \\
&:= (4 \times (4^4 \times (4 + 4) - 44)) - 4/4 \\
&:= 5 + (((5 \times 5 - 5)^{5-(5+5)/5} + 5) + 5) \\
&:= 6 + (((6 + 6) \times 666) + (66/6)) + 6 \\
&:= 7 + (77 \times (777/7 - 7)) \\
&:= ((8 + 8) \times (8 \times 8 \times 8 - 88/8)) - 8/8 \\
&:= 9 \times 9 \times 99 + ((9 - 9 \times 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8016 &:= (1 + 1) \times ((1 + 11) \times (1 + (1 + 1 + 1) \times 111)) \\
&:= 2 \times (2 \times (2^{22/2} - 2 \times 22)) \\
&:= (3 \times (3 \times (33 \times 3^3))) - 3 \\
&:= 4 \times (4^4 \times (4 + 4) - 44) \\
&:= 5 \times 5 \times (5 + 5) + ((5/5 + 5)^5 - (5 + 5)) \\
&:= (6 + 6) \times (666 + (6 + 6)/6) \\
&:= 7 + ((77 \times (777/7 - 7)) + 7/7) \\
&:= (8 + 8) \times (8 \times 8 \times 8 - 88/8) \\
&:= 9 \times 9 \times 99 - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8017 &:= (11 \times (11 - 1 - 1)^{1+1+1}) - 1 - 1 \\
&:= (22/2 \times ((2/2 + 2)^{2+2+2})) - 2 \\
&:= 3/3 + ((3 \times (3 \times (33 \times 3^3))) - 3) \\
&:= 4/4 + (4 \times (4^4 \times (4 + 4) - 44)) \\
&:= 5 + ((555/5 + (5/5 + 5)^5) + 5 \times 5 \times 5) \\
&:= 6 \times 6 + (((6 + 6) \times 666) - (66/6)) \\
&:= 7 + ((77 \times (777/7 - 7)) + ((7 + 7)/7)) \\
&:= 8 + (((8/8 + 8) \times (888 + 8/8)) + 8) \\
&:= 9 \times 9 \times 99 - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8018 &:= (11 \times (11 - 1 - 1)^{1+1+1}) - 1 \\
&:= 2 + ((22 - 2)^{2/2+2} + 2^{2+2}) \\
&:= (3 \times (3 \times (33 \times 3^3))) - 3/3 \\
&:= (4 + 4)/4 + (4 \times (4^4 \times (4 + 4) - 44)) \\
&:= (5/5 + 5)^5 + (((5 - (5 + 5)/5)^5) - 5/5) \\
&:= ((66/6) \times ((6 \times 6/(6 + 6))^6)) - 6/6 \\
&:= ((77 - 7)/7) + (77 \times (777/7 - 7)) \\
&:= 8 + ((8/8 + 8) \times (888 + ((8 + 8)/8))) \\
&:= 9 \times 9 \times 99 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8019 &:= 11 \times (11 - 1 - 1)^{1+1+1} \\
&:= 22/2 \times ((2/2 + 2)^{2+2+2}) \\
&:= 3 \times (3 \times (33 \times 3^3)) \\
&:= 4 + ((4 \times (4^4 \times (4 + 4) - 44)) - 4/4) \\
&:= (5/5 + 5)^5 + (((5 - (5 + 5)/5)^5) - 5) \\
&:= 66/6 \times ((6 \times 6/(6 + 6))^6) \\
&:= 77/7 + (77 \times (777/7 - 7)) \\
&:= 88/8 \times ((8/8 + 8)^{88/8-8}) \\
&:= 9 \times 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8020 &:= 1 + (11 \times (11 - 1 - 1)^{1+1+1}) \\
&:= 22 + ((22 - 2)^{2/2+2} - 2) \\
&:= 3/3 + (3 \times (3 \times (33 \times 3^3))) \\
&:= 4 + (4 \times (4^4 \times (4 + 4) - 44)) \\
&:= 5 \times (((5 - 5/5)^5 + 555) + 5 \times 5) \\
&:= 6/6 + ((66/6) \times ((6 \times 6/(6 + 6))^6)) \\
&:= (77 + 7)/7 + (77 \times (777/7 - 7)) \\
&:= 8 + (((8 + 8)/8 + 88)^{(8+8)/8}) - 88 \\
&:= 9/9 + 9 \times 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8021 &:= 1 + (1 + (11 \times (11 - 1 - 1)^{1+1+1})) \\
&:= 2 + (22/2 \times ((2/2 + 2)^{2+2+2})) \\
&:= 3 + ((3 \times (3 \times (33 \times 3^3))) - 3/3) \\
&:= 4 + ((4 \times (4^4 \times (4 + 4) - 44)) + 4/4) \\
&:= 5 \times 5 \times (5 + 5) + ((5/5 + 5)^5 - 5) \\
&:= 6 \times 6 + (((6 + 6) \times 666) - (6/6 + 6)) \\
&:= 7 + (((77 \times (777/7 - 7)) - 7/7) + 7) \\
&:= 8 \times (8 + 8) + ((8/8 + 8) \times (888 - 88/8)) \\
&:= (9 + 9)/9 + 9 \times 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8022 &:= 1 + (1 + (1 + (11 \times (11 - 1 - 1)^{1+1+1}))) \\
&:= 22 + (22 - 2)^{2/2+2} \\
&:= 3 + (3 \times (3 \times (33 \times 3^3))) \\
&:= 4 + ((4 \times (4^4 \times (4 + 4) - 44)) + (4 + 4)/4) \\
&:= 5/5 + (((5/5 + 5)^5 - 5) + 5 \times 5 \times (5 + 5)) \\
&:= 6 \times 6 + (((6 + 6) \times 666) - 6) \\
&:= 7 + ((77 \times (777/7 - 7)) + 7) \\
&:= (((8/8 + 8 \times 8) + 8) \times (888 - 8)/8) - 8 \\
&:= 9 \times 9 \times 99 + ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8023 &:= ((1 + 1)^{1+1+1+1}) - (1 + 1 + 11)^{1+1} \\
&:= 22 + ((22 - 2)^{2/2+2} + 2/2) \\
&:= 3 + ((3 \times (3 \times (33 \times 3^3))) + 3/3) \\
&:= 4 + (((4 \times (4^4 \times (4 + 4) - 44)) - 4/4) + 4) \\
&:= 5 + (((5 - (5 + 5)/5)^5) - 5/5) + (5/5 + 5)^5 \\
&:= 6 \times 6 + (((6 + 6) \times 666) - 6) + 6/6 \\
&:= 7 + (((77 \times (777/7 - 7)) + 7/7) + 7) \\
&:= 8 + (((8 + 8) \times (8 \times 8 \times 8 - 88/8)) - 8/8) \\
&:= 9 \times 9 \times 99 + ((9 \times 9 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8024 &:= 1 + (((1 + 1)^{1+1+1+1}) - (1 + 1 + 11)^{1+1}) \\
&:= 2 + ((22 - 2)^{2/2+2} + 22) \\
&:= 3^3 + (((33/3 + 3 \times 3^3) - 3) \\
&:= 4 + ((4 \times (4^4 \times (4 + 4) - 44)) + 4) \\
&:= 5 + (((5 - (5 + 5)/5)^5) + (5/5 + 5)^5) \\
&:= 6 + (((66/6) \times ((6 \times 6/(6 + 6))^6)) - 6/6) \\
&:= (777/7 + 7) \times (77 - ((7 + 7)/7 + 7)) \\
&:= 8 + ((8 + 8) \times (8 \times 8 \times 8 - 88/8)) \\
&:= 9 \times 9 \times 99 + ((9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8025 &:= (1 + 1 + 1) \times (11 + (1 + 1) \times (1 + 11^{1+1+1})) \\
&:= 2 + (((22 - 2)^{2/2+2} + 2/2) + 22) \\
&:= 3 + ((3 \times (3 \times (33 \times 3^3))) + 3) \\
&:= (44 + 4^4)/4 \times (444/4 - 4) \\
&:= 5 \times ((5 \times ((5 + 5) \times ((5 + 5)/5)^5) + 5) \\
&:= 6 + ((66/6) \times ((6 \times 6/(6 + 6))^6)) \\
&:= (7/7 + 7 + 7) \times ((7 \times 77 - (77/7)) + 7) \\
&:= 8 + (((8/8 + 8) \times (888 + 8/8)) + 8) + 8 \\
&:= 9 + (9 \times 9 \times 99 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8026 &:= 1 + (1 + 1 + 1) \times (11 + (1 + 1) \times (1 + 11^{1+1+1})) \\
&:= 2 + (((22 - 2)^{2/2+2} + 22) + 2) \\
&:= 3 + (((3 \times (3 \times (33 \times 3^3))) + 3/3) + 3) \\
&:= (44 - 4)/4 + (4 \times (4^4 \times (4 + 4) - 44)) \\
&:= 5 \times 5 \times (5 + 5) + (5/5 + 5)^5 \\
&:= 6 \times 6 + (((6 + 6) \times 666) - ((6 + 6)/6)) \\
&:= 7 + ((77 \times (777/7 - 7)) + (77/7)) \\
&:= 8 + (((8/8 + 8) \times (888 + ((8 + 8)/8))) + 8) \\
&:= 9 + (9 \times 9 \times 99 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8027 &:= (11 \times (1 + (11 - 1 - 1)^{1+1+1})) - 1 - 1 - 1 \\
&:= ((2^{2+2} + 2) \times (2 \times 222 + 2)) - 2/2 \\
&:= 3^3 + ((33/3 + 3 \times 3^3) \\
&:= 44/4 + (4 \times (4^4 \times (4 + 4) - 44)) \\
&:= 5/5 + (5 \times 5 \times (5 + 5) + (5/5 + 5)^5) \\
&:= 6 \times 6 + (((6 + 6) \times 666) - 6/6) \\
&:= ((7/7 + 77) \times ((777 - 7)/7 - 7)) - 7 \\
&:= 8 + (88/8 \times ((8/8 + 8)^{88/8-8})) \\
&:= 9 + (9 \times 9 \times 99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8028 &:= (1+1+1) \times ((1+11) \times (1+(1+1) \times 111)) \\
&:= (2^{2+2} + 2) \times (2 \times 222 + 2) \\
&:= 3 \times ((3 \times (33 \times 3^3)) + 3) \\
&:= ((4+4) \times (4 \times (4^4 - 4) - 4)) - 4 \\
&:= (5+5)/5 + (5 \times 5 \times (5+5) + (5/5+5)^5) \\
&:= 6 \times ((6 \times (6 \times 6 \times 6 + 6)) + 6) \\
&:= (7 - 7/7) \times (((77/7)^{(7+7+7)/7}) + 7) \\
&:= (8/8+8) \times (8 \times 8/(8+8) + 888) \\
&:= 9+9 \times 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8029 &:= (11 \times (1 + (11 - 1 - 1)^{1+1+1})) - 1 \\
&:= 2/2 + ((2^{2+2} + 2) \times (2 \times 222 + 2)) \\
&:= 3/3 + (3 \times ((3 \times (33 \times 3^3)) + 3)) \\
&:= 4/4 + (((4+4) \times (4 \times (4^4 - 4) - 4)) - 4) \\
&:= 5 + (((5 - (5+5)/5)^5) + (5/5+5)^5) + 5 \\
&:= 6 \times 6 + (((6+6) \times 666) + 6/6) \\
&:= (77 \times (7 \times (7+7) + 7)) - (7 \times 7 + 7) \\
&:= (8 \times (8 \times 8 \times (8+8) - 8)) - (88/8 + 88) \\
&:= 9 + (9 \times 9 \times 99 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8030 &:= 11 \times (1 + (11 - 1 - 1)^{1+1+1}) \\
&:= 2 + ((2^{2+2} + 2) \times (2 \times 222 + 2)) \\
&:= 33/3 \times (3^{3+3} + 3/3) \\
&:= (4+4)/4 \times ((4+4)^4 - (4 - 4/4)^4) \\
&:= 55 + (55 \times (5 \times (5 \times 5 + 5) - 5)) \\
&:= 6 \times 6 + (((6+6) \times 666) + ((6+6)/6)) \\
&:= 7/7 + ((77 \times (7 \times (7+7) + 7)) - (7 \times 7 + 7)) \\
&:= ((8/8+8 \times 8) + 8) \times (888 - 8)/8 \\
&:= 99/9 + 9 \times 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8031 &:= 1 + (11 \times (1 + (11 - 1 - 1)^{1+1+1})) \\
&:= (2 \times 2 \times 22)^2 + (((22+2)^2) - 2)/2 \\
&:= 3 + (3 \times ((3 \times (33 \times 3^3)) + 3)) \\
&:= ((4+4) \times (4 \times (4^4 - 4) - 4)) - 4/4 \\
&:= 5 + (5 \times 5 \times (5+5) + (5/5+5)^5) \\
&:= 6 + (((66/6) \times ((6 \times 6/(6+6))^6)) + 6) \\
&:= 7 + ((777/7 + 7) \times (77 - ((7+7)/7 + 7))) \\
&:= 888/8 + (88 \times ((8+8)/8 + 88)) \\
&:= 9 \times 9 \times 99 + (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8032 &:= 1 + (1 + (11 \times (1 + (11 - 1 - 1)^{1+1+1}))) \\
&:= 2 \times (2 \times (2^{22/2} + (2 \times (2 - 22)))) \\
&:= 3 + ((3 \times ((3 \times (33 \times 3^3)) + 3)) + 3/3) \\
&:= (4+4) \times (4 \times (4^4 - 4) - 4) \\
&:= (5/5+5)^5 + ((5 - 5/5)^{5-5/5}) \\
&:= 6 + (((6+6) \times 666) - ((6+6)/6)) + 6 \times 6 \\
&:= 7 + ((7/7 + 7 + 7) \times ((7 \times 77 - (77/7)) + 7)) \\
&:= (8+8) \times ((8 - 88)/8 + 8 \times 8 \times 8) \\
&:= 9 \times 9 \times 99 + ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8033 &:= 1 + (1 + (1 + (11 \times (1 + (11 - 1 - 1)^{1+1+1})))) \\
&:= 22 + ((22 - 2)^{2/2+2} + 22/2) \\
&:= 33 + ((33/3 + 3 \times 3^3) \\
&:= 4/4 + ((4+4) \times (4 \times (4^4 - 4) - 4)) \\
&:= (5/5+5)^5 + ((5^5 - 5)/(5+5) - 55) \\
&:= 6 + (((6+6) \times 666) - 6/6) + 6 \times 6 \\
&:= 7777 + (((7+7)/7)^{7+7/7}) \\
&:= 8/8 + ((8+8) \times ((8 - 88)/8 + 8 \times 8 \times 8)) \\
&:= 9 + (((9 \times 9 + 9)/(9+9)) + 9 \times 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8034 &:= 1 + (1 + (1 + (1 + (11 \times (1 + (11 - 1 - 1)^{1+1+1})))) \\
&:= ((2^{2+2} - 2) \times (((22+2)^2) - 2)) - 2 \\
&:= 3 + ((3 \times ((3 \times (33 \times 3^3)) + 3)) + 3) \\
&:= (4+4)/4 + (((4+4) \times (4 \times (4^4 - 4) - 4)) - 4) \\
&:= (5/5+5) \times (5 \times (5 \times 55 - 5) - (55/5)) \\
&:= 6 + (((6+6) \times 666) + 6 \times 6) \\
&:= (7/7 + 77) \times ((777 - 7)/7 - 7) \\
&:= (888/8 - 8) \times ((8 - 88)/8 + 88) \\
&:= 9 + ((9 \times 9 \times 99 - ((9+9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8035 &:= ((1+1)^{1+1+1+1}) - (1 + ((1+11) \times (1+1+11))) \\
&:= ((2^{2+2} - 2) \times (((22+2)^2) - 2)) - 2/2 \\
&:= 3^3 + (33/3 \times (3^{3+3} - 3/3)) \\
&:= 4 + (((4+4) \times (4 \times (4^4 - 4) - 4)) - 4/4) \\
&:= 5 + ((55 \times (5 \times (5 \times 5 + 5) - 5)) + 55) \\
&:= 6 + (((6+6) \times 666) + 6 \times 6) + 6/6 \\
&:= (77 \times (7 \times (7+7) + 7)) - (7/7 + 7 \times 7) \\
&:= 8 + ((88/8 \times ((8/8+8)^{88/8-8})) + 8) \\
&:= 9 + ((9 \times 9 \times 99 - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8036 &:= ((1+1)^{1+1+1+1}) - ((1+11) \times (1+1+11)) \\
&:= (2^{2+2} - 2) \times (((22+2)^2) - 2) \\
&:= 3 + (((33/3 + 3 \times 3^3) + 33) \\
&:= 4 + ((4+4) \times (4 \times (4^4 - 4) - 4)) \\
&:= 5 + ((5 \times 5 \times (5+5) + (5/5+5)^5) + 5) \\
&:= 6 + (((6+6) \times 666) + ((6+6)/6)) + 6 \times 6 \\
&:= 7 \times ((77 \times (7+7) - 7) + 77) \\
&:= (((8+8)/8 + 88)^{(8+8)/8}) - 8 \times 8 \\
&:= 9 + ((9 \times 9 \times 99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8037 &:= ((1+1)^{1+1+1+1}) - (11 + (1+11)^{1+1}) \\
&:= 2/2 + ((2^{2+2} - 2) \times (((22+2)^2) - 2)) \\
&:= 3 \times (((3 \times (33 \times 3^3)) + 3) + 3) \\
&:= 4 + (((4+4) \times (4 \times (4^4 - 4) - 4)) + 4/4) \\
&:= 5 + (((5 - 5/5)^{5-5/5}) + (5/5+5)^5) \\
&:= 6 + (((66/6) \times ((6 \times 6/(6+6))^6)) + 6) + 6 \\
&:= 7/7 + (7 \times ((77 \times (7+7) - 7) + 77)) \\
&:= (8/8+8) \times ((888 - 88/8 + 8) + 8) \\
&:= 9 + (9 \times 9 \times 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8038 &:= ((1+1)^{1+1+1+1}) - (11 \times (1 + (1+1+11))) \\
&:= ((22 - 2) \times ((22 - 2)^2 + 2)) - 2 \\
&:= 3/3 + (3 \times (((3 \times (33 \times 3^3)) + 3) + 3)) \\
&:= 4 + (((4+4) \times (4 \times (4^4 - 4) - 4)) + (4+4)/4) \\
&:= 5^5 + (((55+5)/5) + 5)^{5-(5+5)/5} \\
&:= 6 \times 6 + (((6+6) \times 666) + ((66 - 6)/6)) \\
&:= (7+7)/7 + (7 \times ((77 \times (7+7) - 7) + 77)) \\
&:= 8 + (((8/8+8 \times 8) + 8) \times (888 - 8)/8) \\
&:= 9 + ((9 \times 9 \times 99 + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8039 &:= 11111 - ((1+1+1) \times (1+1)^{11-1}) \\
&:= ((22 - 2) \times ((22 - 2)^2 + 2)) - 2/2 \\
&:= 3 + (((33/3 + 3 \times 3^3) + 33) + 3) \\
&:= 4 + (((4+4) \times (4 \times (4^4 - 4) - 4)) - 4/4) + 4 \\
&:= 5 \times 55 + ((5/5+5)^5 - ((55+5)/5)) \\
&:= 6 \times 6 + (((6+6) \times 666) + (66/6)) \\
&:= 77 \times 77 + (((7+7+7)/7)^7 - 77) \\
&:= (8 \times (8 \times 8 \times (8+8) - 8)) - (8/8 + 88) \\
&:= 9 + (9 \times 9 \times 99 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8040 &:= (11 \times (1 + (1 + (11 - 1 - 1)^{1+1+1}))) - 1 \\
&:= (22 - 2) \times ((22 - 2)^2 + 2) \\
&:= (3+3) \times ((33/3)^3 + 3 \times 3) \\
&:= 4 + (((4+4) \times (4 \times (4^4 - 4) - 4)) + 4) \\
&:= 5 \times 55 + ((5/5+5)^5 - (55/5)) \\
&:= 6 + (((6+6) \times 666) + 6 \times 6) + 6 \\
&:= 7 + (((7+7)/7)^{7+7/7}) + 7777 \\
&:= (8 \times (8 \times 8 \times (8+8) - 8)) - 88 \\
&:= 9 + (9 \times 9 \times 99 + (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8041 &:= 11 \times (1 + (1 + (11 - 1 - 1)^{1+1+1})) \\
&:= 2/2 + ((22 - 2) \times ((22 - 2)^2 + 2)) \\
&:= 33/3 \times ((3^{3+3} - 3/3) + 3) \\
&:= (44 - 4/4) \times (4 \times 44 + 44/4) \\
&:= 5 \times 55 + ((5/5+5)^5 - (5+5)) \\
&:= 66/6 \times (((66 \times 66 - 6)/6) + 6) \\
&:= 7 + ((7/7 + 77) \times ((777 - 7)/7 - 7)) \\
&:= 8/8 + ((8 \times (8 \times 8 \times (8+8) - 8)) - 88) \\
&:= 99/9 \times (9 \times 9 \times 9 + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8042 &:= 1 + (11 \times (1 + (1 + (11 - 1 - 1)^{1+1+1}))) \\
&:= 2 + ((22 - 2) \times ((22 - 2)^2 + 2)) \\
&:= 3 \times 3 + (((33/3 + 3 \times 3^3) + 33) \\
&:= 44 + (((4 \times 4 + 4)^{4-4/4}) - (4+4)/4) \\
&:= 5/5 + (((5/5+5)^5 - (5+5)) + 5 \times 55) \\
&:= ((6+6)/6) \times (6 \times (666+6) - (66/6)) \\
&:= 7 + ((77 \times (7 \times (7+7) + 7)) - (7/7 + 7 \times 7)) \\
&:= (8+8)/8 + ((8 \times (8 \times 8 \times (8+8) - 8)) - 88) \\
&:= 9 \times 9 \times 99 + (99+99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8043 &:= 1 + (1 + (11 \times (1 + (1 + (11 - 1 - 1)^{1+1+1})))) \\
&:= 2 + (((22 - 2) \times ((22 - 2)^2 + 2)) + 2/2) \\
&:= (3 \times (3 \times ((33 \times 3^3) + 3))) - 3 \\
&:= 44 + (((4 \times 4 + 4)^{4-4/4}) - 4/4) \\
&:= 555 + (((55 + 5)/5) \times (5^5 - 5)/5) \\
&:= 6 + (((((66/6) \times ((6 \times 6/(6+6))^6)) + 6) + 6) + 6) \\
&:= 7 + (7 \times ((77 \times (7 + 7) - 7) + 77)) \\
&:= 88/8 + ((8+8) \times ((8-88)/8 + 8 \times 8)) \\
&:= 9 + (((9 \times 9 \times 99 - ((9+9+9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8048 &:= ((1+1)^{1+1+11}) - (1+11)^{1+1} \\
&:= 2 \times (2 \times (2^{22/2} - (2+2+2)^2)) \\
&:= 3 + ((3 \times (3 \times ((33 \times 3^3) + 3))) - 3/3) \\
&:= 4 \times ((4+4) \times (4^4 - 4) - 4) \\
&:= 5 \times 55 + (((5/5+5)^5 - 5) + ((5+5)/5)) \\
&:= 66 + (((6+6) \times 666) + ((6-66)/6)) \\
&:= ((7/7+7+7) \times (7 \times 77 - ((7+7)/7))) - 7 \\
&:= (8+8) \times (8 \times 8 \times 8 - (8/8+8)) \\
&:= 9 + ((9 \times 9 \times 99 + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8053 &:= 1 + ((((((1+1+1)^{11}) - 1)/(1+1)) - 1)/11) \\
&:= 22^2 + ((2 \times 2 \times 22 - 2/2)^2) \\
&:= 3/3 + (33 \times ((3^{3+3} + 3)/3)) \\
&:= (4 \times (4+4) \times (4^4 - 4)) - 44/4 \\
&:= 5 \times 55 + ((5/5+5)^5 + ((5+5)/5)) \\
&:= (6+6) \times (666+6) - 66/6 \\
&:= (((7+7)/7)^7 \times (7 \times 7 + 7 + 7)) - 77/7 \\
&:= ((8+8) \times (8 \times 8 \times 8 - 8)) - 88/8 \\
&:= ((9-9/9) \times (999+9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8044 &:= 1 + (1 + (1 + (11 \times (1 + (1 + (11 - 1 - 1)^{1+1+1})))) \\
&:= 2 \times 22 + (22 - 2)^{2/2+2} \\
&:= 3 + (33/3 \times ((3^{3+3} - 3/3) + 3)) \\
&:= 44 + ((4 \times 4 + 4)^{4-4/4}) \\
&:= 5 \times 5 + (((5 - (5+5)/5)^5) + (5/5+5)^5) \\
&:= ((6+6)/6)^6 + ((6+6) \times (666 - 6/6)) \\
&:= 7 + ((7 \times ((77 \times (7+7) - 7) + 77)) + 7/7) \\
&:= 8 + (((8+8)/8 + 88)^{(8+8)/8}) - 8 \times 8 \\
&:= 9 + (((9 \times 9 \times 99 - ((9+9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8049 &:= 1 + (((1+1)^{1+1+11}) - (1+11)^{1+1}) \\
&:= (2^{22/2+2}) - ((22/2)^2 + 22) \\
&:= 3 + (3 \times (3 \times ((33 \times 3^3) + 3))) \\
&:= 4/4 + (4 \times ((4+4) \times (4^4 - 4) - 4)) \\
&:= 5 \times 55 + ((5/5+5)^5 - ((5+5)/5)) \\
&:= 6 \times 6 + (((66/6) \times ((6 \times 6/(6+6))^6)) - 6) \\
&:= 7 \times 7 + (((7-7/7+7) + 7)^{(7+7+7)/7}) \\
&:= 8/8 + ((8+8) \times (8 \times 8 \times 8 - (8/8+8))) \\
&:= 999/9 + 9 \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8054 &:= 1 + (1 + ((((((1+1+1)^{11}) - 1)/(1+1)) - 1)/11)) \\
&:= ((2 \times 2 \times 22 + 2)^2) - (2 \times 22 + 2) \\
&:= 3 + ((33 \times ((3^{3+3} + 3)/3)) - 3/3) \\
&:= (4 - 44)/4 + (4 \times (4+4) \times (4^4 - 4)) \\
&:= 5^5 + (5555 - (5^5 + 5)/5) \\
&:= (6 - 66)/6 + (6+6) \times (666+6) \\
&:= 7 + ((7 \times ((77 \times (7+7) - 7) + 77)) + (77/7)) \\
&:= (8 - 88)/8 + ((8+8) \times (8 \times 8 \times 8 - 8)) \\
&:= 9 + (((9 \times 9 \times 99 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8045 &:= ((1+1)^{1+1+11}) - (1 + (1 + (1 + (1+11)^{1+1}))) \\
&:= 2/2 + ((22 - 2)^{2/2+2} + 2 \times 22) \\
&:= (3 \times (3 \times ((33 \times 3^3) + 3))) - 3/3 \\
&:= 44 + (((4 \times 4 + 4)^{4-4/4}) + 4/4) \\
&:= ((5 \times 5 + 5) \times (5 \times 55 - 5)) - 55 \\
&:= 6 + (((6+6) \times 666) + (66/6)) + 6 \times 6 \\
&:= (((7+7)/7)^{7-7/7+7}) - 7 \times (7+7+7) \\
&:= ((8+8) \times (8 \times 8 \times 8 - 8)) - (88/8+8) \\
&:= 9 + (((9 \times 9 \times 99 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8050 &:= 1 + (1 + (((1+1)^{1+1+11}) - (1+11)^{1+1})) \\
&:= (22 + 2/2) \times ((22 \times 2^{2+2}) - 2) \\
&:= 3 + ((3 \times (3 \times ((33 \times 3^3) + 3))) + 3/3) \\
&:= (4+4)/4 + (4 \times ((4+4) \times (4^4 - 4) - 4)) \\
&:= 5 \times (5 \times (((5^5 - 5)/5 + 5) + 5)) \\
&:= ((6+6)/6)^6 + (((6+6) \times 666) - 6) \\
&:= (7/7 + 7 \times 7) \times ((77 + 77) + 7) \\
&:= (8+8)/8 + ((8+8) \times (8 \times 8 \times 8 - (8/8+8))) \\
&:= 9 + (((99+99)/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8055 &:= (1+1+1) \times (1 + ((1+1) \times (11 + 11^{1+1+1}))) \\
&:= 2 + (((2 \times 2 \times 22 - 2/2)^2) + 22^2) \\
&:= 3 + (33 \times ((3^{3+3} + 3)/3)) \\
&:= (44 + 4/4) \times ((4 \times 44 - 4/4) + 4) \\
&:= 55 + ((5 \times 5 - 5)^{5-(5+5)/5}) \\
&:= 6 \times 6 + (((66/6) \times ((6 \times 6/(6+6))^6)) \\
&:= (7/7 + 7 + 7) \times (7 \times 77 - ((7+7)/7)) \\
&:= (8/8+8) \times (888 - 8/8+8) \\
&:= 9 + (((9 \times 9 \times 99 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8046 &:= (1+1) \times ((1+1+1) \times (11 + (11^{1+1+1} - 1))) \\
&:= 2 + ((22 - 2)^{2/2+2} + 2 \times 22) \\
&:= 3 \times (3 \times ((33 \times 3^3) + 3)) \\
&:= (4 \times ((4+4) \times (4^4 - 4) - 4)) - (4+4)/4 \\
&:= 5 \times 55 + ((5/5+5)^5 - 5) \\
&:= 66 + ((6+6) \times (666 - 6/6)) \\
&:= 7777 + ((7 \times 7 \times 77 - 7)/(7+7)) \\
&:= (8/8+8) \times ((888 - ((8+8)/8)) + 8) \\
&:= 9 + ((9 \times 9 \times 99 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8051 &:= ((((((1+1+1)^{11}) - 1)/(1+1)) - 1)/11) - 1 \\
&:= 22/2 + ((22 - 2) \times ((22 - 2)^2 + 2)) \\
&:= (33 \times ((3^{3+3} + 3)/3)) - 3/3 \\
&:= 4 + ((4 \times ((4+4) \times (4^4 - 4) - 4)) - 4/4) \\
&:= 5 \times 55 + (5/5+5)^5 \\
&:= 66 + (((6+6) \times 666) - (6/6+6)) \\
&:= (77 - 7/7 + 7) \times (7 \times (7+7) - 7/7) \\
&:= 88/8 + ((8 \times (8 \times 8 \times (8+8) - 8)) - 88) \\
&:= (((9+9)/9) + 9 \times 9) \times (99 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8056 &:= (1 + (11 \times ((1+1+11)^{1+1+1}))) / (1+1+1) \\
&:= ((2 \times 2 \times 22 + 2)^2) - (2 \times 22) \\
&:= 3 + ((33 \times ((3^{3+3} + 3)/3)) + 3/3) \\
&:= (4+4) \times (4 \times (4^4 - 4) - 4/4) \\
&:= 5 + ((5/5+5)^5 + 5 \times 55) \\
&:= ((6+6)/6)^6 + ((6+6) \times 666) \\
&:= (77 - 7/7) \times ((7 \times (7+7) + 7/7) + 7) \\
&:= ((8+8) \times (8 \times 8 \times 8 - 8)) - 8 \\
&:= (9 - 9/9) \times ((999 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8047 &:= ((1+1)^{1+1+11}) - (1 + (1+11)^{1+1}) \\
&:= 2 + (((22 - 2)^{2/2+2} + 2 \times 22) + 2/2) \\
&:= 3/3 + (3 \times (3 \times ((33 \times 3^3) + 3))) \\
&:= (4 \times ((4+4) \times (4^4 - 4) - 4)) - 4/4 \\
&:= 5/5 + (((5/5+5)^5 - 5) + 5 \times 55) \\
&:= 66 + (((6+6) \times 666) - (66/6)) \\
&:= 77/7 + (7 \times ((77 \times (7+7) - 7) + 77)) \\
&:= 8 \times 8 + ((8/8+8) \times (888 - 8/8)) \\
&:= 9 + (((9 \times 9 \times 99 + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8052 &:= ((((((1+1+1)^{11}) - 1)/(1+1)) - 1)/11) \\
&:= 22 \times (((2 \times (2+2+2))^2) + 222) \\
&:= 33 \times ((3^{3+3} + 3)/3) \\
&:= 4 + (4 \times ((4+4) \times (4^4 - 4) - 4)) \\
&:= 5/5 + ((5/5+5)^5 + 5 \times 55) \\
&:= 66 + (((6+6) \times 666) - 6) \\
&:= (77 - 77/7) \times (777 + 77)/7 \\
&:= ((8+8) \times (8 \times 8 \times 8 - 8)) - (88+8)/8 \\
&:= 99/9 \times (((9+9+9)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8057 &:= ((1+1) \times (((1+1)^{1+1+1}) - (1+11))) - 111 \\
&:= 2/2 + (((2 \times 2 \times 22 + 2)^2) - (2 \times 22)) \\
&:= 3^3 + (33/3 \times (3^{3+3} + 3/3)) \\
&:= 4 + ((4 \times (4+4) \times (4^4 - 4)) - 44/4) \\
&:= 5 + (((5/5+5)^5 + 5 \times 55) + 5/5) \\
&:= 66 + (((6+6) \times 666) - 6/6) \\
&:= 7 \times 7 + (77 \times (777/7 - 7)) \\
&:= 8/8 + (((8+8) \times (8 \times 8 \times 8 - 8)) - 8) \\
&:= 9 + (((9 \times 9 \times 99 + (99/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8058 &:= (1+1) \times ((1+1+1) \times (1+(11+11^{1+1+1}))) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) - (2 \times 22)) \\
&:= 3 + ((33 \times ((3^3+3)/3) + 3) \\
&:= (4 \times (4+4) \times (4^4-4)) - ((4+4)/4+4) \\
&:= 5 + (((5/5+5)^5 + 5 \times 55) + ((5+5)/5)) \\
&:= 66 + ((6+6) \times 666) \\
&:= 7 + ((77-7/7+7) \times (7 \times (7+7) - 7/7)) \\
&:= (8+8)/8 + (((8+8) \times (8 \times 8 \times 8 - 8)) - 8) \\
&:= 9 + (9 \times (9 \times 99 - 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8059 &:= ((1+1)^{1+1+11}) - (1+(11 \times (1+11))) \\
&:= (2^{22/2+2}) - (222/2+22) \\
&:= 3 + (((33 \times ((3^3+3)/3) + 3/3) + 3) \\
&:= (4 \times (4+4) \times (4^4-4)) - 4/4-4 \\
&:= 5 + ((5555 - (5^5+5)/5) + 5^5) \\
&:= 66 + (((6+6) \times 666) + 6/6) \\
&:= 7 + ((77-77/7) \times (777+77)/7) \\
&:= 88/8 + ((8+8) \times (8 \times 8 \times 8 - (8/8+8))) \\
&:= 9 \times 9 \times 99 + ((9 \times 9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8060 &:= ((1+1)^{1+1+11}) - (11 \times (1+11)) \\
&:= 2 \times ((2 \times (2^{22/2} - 22)) - 22) \\
&:= 3^3 + (((33/3 + 3 \times 3)^3) + 33) \\
&:= (4 \times (4+4) \times (4^4-4)) - 4 \\
&:= (55+5+5) \times (5 \times 5 \times 5 - 5/5) \\
&:= 66 + (((6+6) \times 666) + ((6+6)/6)) \\
&:= 7777 + (7 \times (7 \times 7 - 7) - (77/7)) \\
&:= ((8+8) \times (8 \times 8 \times 8 - 8)) - 8 \times 8/(8+8) \\
&:= 9 \times 9 \times 99 + ((9 \times 9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8061 &:= 1 + (((1+1)^{1+1+11}) - (11 \times (1+11))) \\
&:= (((22+2)^2) \times (2^{2+2} - 2)) - 2/2 - 2 \\
&:= ((3^3 - 3) \times (333+3)) - 3 \\
&:= 4/4 + ((4 \times (4+4) \times (4^4-4)) - 4) \\
&:= 5 + (((5/5+5)^5 + 5 \times 55) + 5) \\
&:= (6+6) \times (666+6) - 6 \times 6/(6+6) \\
&:= 77/7 + ((7/7+7 \times 7) \times ((77+77)+7)) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8)) - (88/8)) \\
&:= 9 + ((99/((9+9+9)/9)) + 9 \times 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8062 &:= 1 + (1 + (((1+1)^{1+1+11}) - (11 \times (1+11)))) \\
&:= (((22+2)^2) \times (2^{2+2} - 2)) - 2 \\
&:= 3/3 + (((3^3 - 3) \times (333+3)) - 3) \\
&:= (4 \times (4+4) \times (4^4-4)) - (4+4)/4 \\
&:= 5 \times 55 + ((5/5+5)^5 + (55/5)) \\
&:= (6+6) \times (666+6) - (6+6)/6 \\
&:= 7 + ((7/7+7+7) \times (7 \times 77 - ((7+7)/7))) \\
&:= ((8+8) \times (8 \times 8 \times 8 - 8)) - (8+8)/8 \\
&:= ((9-9/9) \times (999+9)) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8063 &:= ((1+111) \times ((1+11)^{1+1}/(1+1))) - 1 \\
&:= (((22+2)^2) \times (2^{2+2} - 2)) - 2/2 \\
&:= 33/3 \times ((3^3+3)/3) + 3 \\
&:= (4 \times (4+4) \times (4^4-4)) - 4/4 \\
&:= 5 \times 55 + ((5/5+5)^5 + ((55+5)/5)) \\
&:= (6+6) \times (666+6) - 6/6 \\
&:= (((7+7)/7)^7 \times (7 \times 7 + 7 + 7)) - 7/7 \\
&:= ((8+8) \times (8 \times 8 \times 8 - 8)) - 8/8 \\
&:= ((9-9/9) \times (999+9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8064 &:= (1+111) \times ((1+11)^{1+1}/(1+1)) \\
&:= ((22+2)^2) \times (2^{2+2} - 2) \\
&:= (3^3 - 3) \times (333+3) \\
&:= 4 \times (4+4) \times (4^4-4) \\
&:= (5/5+5) \times ((5 \times 5 - 5/5) \times (55+5/5)) \\
&:= (6+6) \times (666+6) \\
&:= ((7+7)/7)^7 \times (7 \times 7 + 7 + 7) \\
&:= (8+8) \times (8 \times 8 \times 8 - 8) \\
&:= (9-9/9) \times (999+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8065 &:= 1 + ((1+111) \times ((1+11)^{1+1}/(1+1))) \\
&:= 2/2 + (((22+2)^2) \times (2^{2+2} - 2)) \\
&:= 3/3 + ((3^3 - 3) \times (333+3)) \\
&:= 4/4 + (4 \times (4+4) \times (4^4-4)) \\
&:= 5 + ((55+5+5) \times (5 \times 5 \times 5 - 5/5)) \\
&:= 6/6 + (6+6) \times (666+6) \\
&:= 7/7 + (((7+7)/7)^7 \times (7 \times 7 + 7 + 7)) \\
&:= 8/8 + ((8+8) \times (8 \times 8 \times 8 - 8)) \\
&:= 9/9 + ((9-9/9) \times (999+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8066 &:= (1+1) \times (((111-1)^{1+1}) - 1)/(1+1+1) \\
&:= 2 + (((22+2)^2) \times (2^{2+2} - 2)) \\
&:= 3 + (33/3 \times ((3^3+3)/3) + 3) \\
&:= (4+4)/4 + (4 \times (4+4) \times (4^4-4)) \\
&:= 5 + (((5/5+5)^5 + 5 \times 55) + 5) \\
&:= (6+6)/6 + (6+6) \times (666+6) \\
&:= (7+7)/7 + (((7+7)/7)^7 \times (7 \times 7 + 7 + 7)) \\
&:= (8+8)/8 + ((8+8) \times (8 \times 8 \times 8 - 8)) \\
&:= (9+9)/9 + ((9-9/9) \times (999+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8067 &:= (1 + ((1+1) \times ((111-1)^{1+1}))) / (1+1+1) \\
&:= 2 + (((22+2)^2) \times (2^{2+2} - 2)) + 2/2 \\
&:= 3 + ((3^3 - 3) \times (333+3)) \\
&:= 4 + ((4 \times (4+4) \times (4^4-4)) - 4/4) \\
&:= 5 + (((5/5+5)^5 + 5 \times 55) + (55/5)) \\
&:= (6 \times 6/(6+6)) + (6+6) \times (666+6) \\
&:= (77 \times (7 \times (7+7) + 7)) - (77/7+7) \\
&:= 88/8 + (((8+8) \times (8 \times 8 \times 8 - 8)) - 8) \\
&:= 9 + ((9 \times (9 \times 99 - 9) + 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8068 &:= 1 + ((1 + ((1+1) \times ((111-1)^{1+1}))) / (1+1+1)) \\
&:= 2 + (((22+2)^2) \times (2^{2+2} - 2)) + 2 \\
&:= 3 + (((3^3 - 3) \times (333+3)) + 3/3) \\
&:= 4 + (4 \times (4+4) \times (4^4-4)) \\
&:= ((5 \times 5 + 5) \times (5 \times 55 - 5)) - ((5+5)/5)^5 \\
&:= 6 + ((6+6) \times (666+6) - ((6+6)/6)) \\
&:= ((7-77)/7) + ((77 \times (7 \times (7+7) + 7)) - 7) \\
&:= 8 \times 8/(8+8) + ((8+8) \times (8 \times 8 \times 8 - 8)) \\
&:= 9 \times 9 \times 99 + ((9 \times 99 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8069 &:= ((1+1)^{1+1+11}) - (1+(1+11^{1+1})) \\
&:= (2^{22/2+2}) - ((22/2)^2 + 2) \\
&:= 3 + ((33/3 \times ((3^3+3)/3) + 3) + 3) \\
&:= 4 + ((4 \times (4+4) \times (4^4-4)) + 4/4) \\
&:= (5 \times (5 \times (5 \times (55+5+5)))) - (55+5/5) \\
&:= 6 + ((6+6) \times (666+6) - 6/6) \\
&:= 7777 + (7 \times (7 \times 7 - 7) - ((7+7)/7)) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8)) - (88/8)) + 8 \\
&:= 9 \times 9 \times 99 + ((9 \times 99 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8070 &:= ((1+1)^{1+1+11}) - (1+11^{1+1}) \\
&:= 2 + (((22+2)^2) \times (2^{2+2} - 2)) + 2 + 2 \\
&:= 3 + (((3^3 - 3) \times (333+3)) + 3) \\
&:= 4 + ((4 \times (4+4) \times (4^4-4)) + (4+4)/4) \\
&:= (5/5+5) \times (5 \times (5 \times 55 - 5) - 5) \\
&:= 6 + (6+6) \times (666+6) \\
&:= (7/7+7+7) \times (7 \times 77 - 7/7) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8)) - ((8+8)/8)) \\
&:= 9 \times (9 \times 99 + 9 + 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8071 &:= ((1+1)^{1+1+11}) - 11^{1+1} \\
&:= (2^{22/2+2}) - (22/2)^2 \\
&:= 3 + (((3^3 - 3) \times (333+3)) + 3/3) + 3 \\
&:= 4 + (((4 \times (4+4) \times (4^4-4)) - 4/4) + 4) \\
&:= 5 \times (55+5) + ((5/5+5)^5 - 5) \\
&:= 6 + ((6+6) \times (666+6) + 6/6) \\
&:= 7777 + 7 \times (7 \times 7 - 7) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8)) - 8/8) \\
&:= 9 \times (9 \times 99 + 9) - (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8072 &:= 1 + (((1+1)^{1+1+11}) - 11^{1+1}) \\
&:= 2 \times ((2^{2+2} \times 222) + 22^2) \\
&:= (3 \times (3^3 - 3)) + ((33/3 + 3 \times 3)^3) \\
&:= 4 + ((4 \times (4+4) \times (4^4-4)) + 4) \\
&:= 5/5 + (((5/5+5)^5 - 5) + 5 \times (55+5)) \\
&:= 6 + ((6+6) \times (666+6) + ((6+6)/6)) \\
&:= 7/7 + (7777 + 7 \times (7 \times 7 - 7)) \\
&:= 8 + ((8+8) \times (8 \times 8 \times 8 - 8)) \\
&:= (9-9/9) \times ((999+9)/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8073 &:= 1 + (1 + (((1+1)^{1+1+11}) - 11^{1+1})) \\
&:= 2 + ((2^{22/2+2}) - (22/2)^2) \\
&:= 3 \times (3 \times ((33 \times 3^3) + 3) + 3) \\
&:= 4 + (((4 \times (4+4) \times (4^4 - 4)) + 4/4) + 4) \\
&:= (55 + 5 + 5)/5 \times ((5^5 + 5)/5 - 5) \\
&:= 6 + ((6+6) \times (666+6) + (6 \times 6/(6+6))) \\
&:= (77 \times (7 \times (7+7) + 7)) - (77+7)/7 \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8)) + 8/8) \\
&:= 9 + ((9-9/9) \times (999+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8074 &:= 1 + (1 + (1 + (((1+1)^{1+1+11}) - 11^{1+1}))) \\
&:= 22 \times (222/2 + 2^{2 \times (2+2)}) \\
&:= 3/3 + (3 \times (3 \times ((33 \times 3^3) + 3) + 3)) \\
&:= (44 - 4)/4 + (4 \times (4+4) \times (4^4 - 4)) \\
&:= 55 + (((5 - (5+5)/5)^5) + (5/5 + 5)^5) \\
&:= ((66 - 6)/6) + (6+6) \times (666+6) \\
&:= (77 \times (7 \times (7+7) + 7)) - 77/7 \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8)) + ((8+8)/8)) \\
&:= 9 + (((9-9/9) \times (999+9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8075 &:= 11 + ((1+111) \times ((1+11)^{1+1}/(1+1))) \\
&:= 2 + (((2^{22/2+2}) - (22/2)^2) + 2) \\
&:= 33/3 + ((3^3 - 3) \times (333+3)) \\
&:= 44/4 + (4 \times (4+4) \times (4^4 - 4)) \\
&:= 5 \times ((5 \times (5^5 - 5)/(5+5)) + 55) \\
&:= 66/6 + (6+6) \times (666+6) \\
&:= ((7-77)/7) + (77 \times (7 \times (7+7) + 7)) \\
&:= 88/8 + ((8+8) \times (8 \times 8 \times 8 - 8)) \\
&:= 99/9 + ((9-9/9) \times (999+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8076 &:= (1+11) \times (1 + ((1+1) \times ((1+1+1) \times (1+11)))) \\
&:= ((2 \times 2 \times 22 + 2)^2) - 22 - 2 \\
&:= 3 + (3 \times (3 \times ((33 \times 3^3) + 3) + 3)) \\
&:= (4 \times ((4+4) \times (4^4 - 4) + 4)) - 4 \\
&:= 5 \times (55 + 5) + (5/5 + 5)^5 \\
&:= 6 + ((6+6) \times (666+6) + 6) \\
&:= (77 \times (7 \times (7+7) + 7)) - ((7+7)/7 + 7) \\
&:= ((88+8)/8) + ((8+8) \times (8 \times 8 \times 8 - 8)) \\
&:= 9 \times 9 \times 99 + (((9+9)/9)^9) + 9/9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8077 &:= ((1+1) \times ((1+1) \times ((1+1)^{11} - 1))) - 111 \\
&:= ((2 \times 2 \times 22 + 2)^2) - 22 - 2/2 \\
&:= 3 + ((3 \times (3 \times ((33 \times 3^3) + 3) + 3)) + 3/3) \\
&:= 4/4 + ((4 \times ((4+4) \times (4^4 - 4) + 4)) - 4) \\
&:= 5/5 + (5 \times (55 + 5) + (5/5 + 5)^5) \\
&:= 6 + (((6+6) \times (666+6) + 6/6) + 6) \\
&:= (77 \times (7 \times (7+7) + 7)) - (7/7 + 7) \\
&:= (88 + 8 + 8)/8 + ((8+8) \times (8 \times 8 \times 8 - 8)) \\
&:= 9 + (((9 \times 99 - 9)/(9+9)) + 9 \times 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8078 &:= ((1+1)^{1+1+11}) - (1+1+1+111) \\
&:= ((2 \times 2 \times 22 + 2)^2) - 22 \\
&:= 3 \times 3^3 + (((33/3 + 3 \times 3^3) - 3) \\
&:= (4 \times ((4+4) \times (4^4 - 4) + 4)) - (4+4)/4 \\
&:= 5 + ((55 + 5 + 5)/5 \times ((5^5 + 5)/5 - 5)) \\
&:= 6 + (((6+6) \times (666+6) + ((6+6)/6)) + 6) \\
&:= (77 \times (7 \times (7+7) + 7)) - 7 \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8)) - ((8+8)/8) + 8) \\
&:= 9 \times (9 \times 99 + 9) - ((99+99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8079 &:= ((1+1)^{1+1+11}) - (1+1+111) \\
&:= 2/2 + (((2 \times 2 \times 22 + 2)^2) - 22) \\
&:= 3^3 + (33 \times ((3^3+3) + 3)/3) \\
&:= (4 \times ((4+4) \times (4^4 - 4) + 4)) - 4/4 \\
&:= (5/5 + 5)^5 + ((5^5 + 5)/(5+5) - (5+5)) \\
&:= ((66/6) \times (((6 \times 6/(6+6))^6) + 6)) - 6 \\
&:= 7/7 + ((77 \times (7 \times (7+7) + 7)) - 7) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8)) - 8/8) + 8 \\
&:= 9 \times (9 \times 99 + 9) - ((99+9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8080 &:= ((1+1)^{1+1+11}) - (1+111) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) - 22) \\
&:= 3^3 + ((33 \times ((3^3+3) + 3)/3) + 3/3) \\
&:= 4 \times ((4+4) \times (4^4 - 4) + 4) \\
&:= 5 + (5 \times ((5 \times (5^5 - 5)/(5+5)) + 55)) \\
&:= 6 + ((6+6) \times (666+6) + ((66-6)/6)) \\
&:= (7+7)/7 + ((77 \times (7 \times (7+7) + 7)) - 7) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8)) + 8) \\
&:= (9-9/9) \times (99/9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8081 &:= ((1+1)^{1+1+11}) - 111 \\
&:= (2^{22/2+2}) - 222/2 \\
&:= 3 \times 3^3 + ((33/3 + 3 \times 3^3) \\
&:= 4/4 + (4 \times ((4+4) \times (4^4 - 4) + 4)) \\
&:= 5 + (5 \times (55 + 5) + (5/5 + 5)^5) \\
&:= 6 + ((6+6) \times (666+6) + (66/6)) \\
&:= 7 + ((77 \times (7 \times (7+7) + 7)) - (77/7)) \\
&:= (8 \times 8 \times 8 \times (8+8)) - 888/8 \\
&:= 9 \times (9 \times 99 + 9) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8082 &:= 1 + (((1+1)^{1+1+11}) - 111) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) - 22) + 2 \\
&:= 3 \times ((3 \times ((33 \times 3^3) + 3) + 3)) + 3 \\
&:= (4+4)/4 + (4 \times ((4+4) \times (4^4 - 4) + 4)) \\
&:= 5 + ((5 \times (55 + 5) + (5/5 + 5)^5) + 5/5) \\
&:= 6 + (((6+6) \times (666+6) + 6) + 6) \\
&:= (77 \times (7 \times (7+7) + 7)) - (7+7+7)/7 \\
&:= (8/8 + 8) \times ((888 + ((8+8)/8)) + 8) \\
&:= 9 \times (9 \times 99 + 9) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8083 &:= 1 + (1 + (((1+1)^{1+1+11}) - 111)) \\
&:= 2 + ((2^{22/2+2}) - 222/2) \\
&:= ((3/3 + 3)^3) + (3 \times (3 \times (33 \times 3^3))) \\
&:= 4 + ((4 \times ((4+4) \times (4^4 - 4) + 4)) - 4/4) \\
&:= (5/5 + 5)^5 + (5^5 - 55)/(5+5) \\
&:= 6 + (((6+6) \times (666+6) + 6/6) + 6) + 6 \\
&:= (77 \times (7 \times (7+7) + 7)) - (7+7)/7 \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8)) + (88/8)) \\
&:= 9/9 + (9 \times (9 \times 99 + 9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8084 &:= 1 + (1 + (1 + (((1+1)^{1+1+11}) - 111))) \\
&:= ((2 \times 2 \times 22 + 2)^2) - 2^{2+2} \\
&:= 3 + (((33/3 + 3 \times 3^3) + 3 \times 3^3) \\
&:= 4 + (4 \times ((4+4) \times (4^4 - 4) + 4)) \\
&:= (5/5 + 5)^5 + ((5^5 + 5)/(5+5) - 5) \\
&:= (((6+6)/6)^{6/6+6+6}) - 6 \times (6+6+6) \\
&:= (77 \times (7 \times (7+7) + 7)) - 7/7 \\
&:= (((8+8)/8 + 88)^{(8+8)/8}) - 8 - 8 \\
&:= (9+9)/9 + (9 \times (9 \times 99 + 9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8085 &:= ((1+1) \times (1 + (1 + ((1+1)^{1+1+11})))) - 111 \\
&:= 2 + (((2^{22/2+2}) - 222/2) + 2) \\
&:= 33 \times ((3^3+3) + 3) \\
&:= 4 + ((4 \times ((4+4) \times (4^4 - 4) + 4)) + 4/4) \\
&:= 5 \times (((5^5 - 5)/5)/(5+5) + 55) \\
&:= 66/6 \times (((6 \times 6/(6+6))^6) + 6) \\
&:= 77 \times (7 \times (7+7) + 7) \\
&:= (88 - 88/8) \times (((8/8 + 88) + 8) + 8) \\
&:= 99/9 \times ((9 \times 9 \times 9 - ((9+9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8086 &:= 1 + (((1+1) \times (1 + (1 + ((1+1)^{1+1+11})))) - 111) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) - 2^{2+2}) \\
&:= 3/3 + (33 \times (((3^3+3) + 3) + 3)) \\
&:= 4 + ((4 \times ((4+4) \times (4^4 - 4) + 4)) + (4+4)/4) \\
&:= 5 + ((5 \times (55 + 5) + (5/5 + 5)^5) + 5) \\
&:= 6 \times 666 + (((6+6)/6)^{6+6}) - 6 \\
&:= 7/7 + (77 \times (7 \times (7+7) + 7)) \\
&:= ((8+8)/8) \times (8 \times (8 \times 8 \times 8 - 8) + (88/8)) \\
&:= ((9-99)/(9+9)) + (9 \times (9 \times 99 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8087 &:= ((11-1) \times (11-1-1))^{1+1} - 1 - 1 - 11 \\
&:= ((2 \times 2 \times 22 + 2)^2) - (22/2 + 2) \\
&:= 3 + (((33/3 + 3 \times 3^3) + 3 \times 3^3) + 3) \\
&:= 4 + (((4 \times ((4+4) \times (4^4 - 4) + 4)) - 4/4) + 4) \\
&:= 55/5 + (5 \times (55 + 5) + (5/5 + 5)^5) \\
&:= 6 + (((6+6) \times (666+6) + (66/6)) + 6) \\
&:= (7+7)/7 + (77 \times (7 \times (7+7) + 7)) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8)) - 8/8) + 8 + 8 \\
&:= 9 \times (9 \times 99 + 9) - (99 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8088 &:= ((11-1) \times (11-1-1))^{1+1} - 11 - 1 \\
&:= 2 \times (2 \times (2^{22/2} - (22+2+2))) \\
&:= 3 + (33 \times (((3^3+3) - 3)/3) + 3) \\
&:= 4 + ((4 \times ((4+4) \times (4^4-4) + 4)) + 4) \\
&:= (5/5+5)^5 + (5^5-5)/(5+5) \\
&:= (6+6) \times ((666+6)/6) + 6 \\
&:= (7+7+7)/7 + (77 \times (7 \times (7+7) + 7)) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 - 8)) + 8) + 8 \\
&:= 9 \times (9 \times 99 + 9) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8089 &:= ((11-1) \times (11-1-1))^{1+1} - 11 \\
&:= ((2 \times 2 \times 22 + 2)^2) - 22/2 \\
&:= (3 \times (33/3)^3) + (3/3+3)^{3+3} \\
&:= 4 + (((4 \times ((4+4) \times (4^4-4) + 4)) + 4/4) + 4) \\
&:= (5/5+5)^5 + (5^5+5)/(5+5) \\
&:= 6 \times 6 + ((6+6) \times (666+6) - (66/6)) \\
&:= 77/7 + ((77 \times (7 \times (7+7) + 7)) - 7) \\
&:= 8 + ((8 \times 8 \times 8 \times (8+8)) - 888/8) \\
&:= 9 \times (9 \times 99 + 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8090 &:= ((11-1) \times (11-1-1))^{1+1} - 11 + 1 \\
&:= ((2-22)/2) + ((2 \times 2 \times 22 + 2)^2) \\
&:= 3 \times (3^3+3) + ((33/3+3 \times 3)^3) \\
&:= (44-4)/4 + (4 \times ((4+4) \times (4^4-4) + 4)) \\
&:= ((5 \times 5 + 5) \times (5 \times 55 - 5)) - 5 - 5 \\
&:= (((6+6)/6)^{6/6+6+6}) - (6 \times 6 + 66) \\
&:= 7 + ((77 \times (7 \times (7+7) + 7)) - ((7+7)/7)) \\
&:= 8 + (((8-888)/8) + (8 \times 8 \times 8 \times (8+8))) \\
&:= 9 \times (9 \times 99 + 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8091 &:= 11 + (((1+1)^{1+1+11}) - (1+111)) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) - 22/2) \\
&:= 3 \times (((3 \times (33 \times 3^3)) - 3) + 3^3) \\
&:= 44/4 + (4 \times ((4+4) \times (4^4-4) + 4)) \\
&:= (5/5+5)^5 + ((5 \times 5 + 5^5)/(5+5)) \\
&:= 6 + ((66/6) \times (((6 \times 6/(6+6))^6) + 6)) \\
&:= 7 + ((77 \times (7 \times (7+7) + 7)) - 7/7) \\
&:= (8/8+8) \times (888+88/8) \\
&:= 9 \times (9 \times 99 + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8092 &:= 11 + (((1+1)^{1+1+11}) - 111) \\
&:= 2 \times (2 \times ((2 \times 22 + 2/2)^2 - 2)) \\
&:= 3 + ((3 \times (33/3)^3) + (3/3+3)^{3+3}) \\
&:= ((4+4) \times (4 \times (4^4-4) + 4)) - 4 \\
&:= (5-5/5) \times (((5+5)/5)^{55/5}) - 5 \times 5 \\
&:= 6 \times 666 + (((6+6)/6)^{6+6}) \\
&:= 7 + (77 \times (7 \times (7+7) + 7)) \\
&:= (((8+8)/8+88)^{(8+8)/8}) - 8 \\
&:= 9/9 + (9 \times (9 \times 99 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8093 &:= 1 + (11 + (((1+1)^{1+1+11}) - 111)) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) - 22/2) + 2 \\
&:= 3 + (((33/3+3 \times 3)^3) + 3 \times (3^3+3)) \\
&:= 4/4 + (((4+4) \times (4 \times (4^4-4) + 4)) - 4) \\
&:= 5 + ((5^5-5)/(5+5) + (5/5+5)^5) \\
&:= 6 \times 6 + (((6+6) \times 666) - 6/6) + 66 \\
&:= 7 + ((77 \times (7 \times (7+7) + 7)) + 7/7) \\
&:= (8 \times 8 \times 8 \times (8+8)) - (88/8+88) \\
&:= (9+9)/9 + (9 \times (9 \times 99 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8094 &:= 1 + (1 + (11 + (((1+1)^{1+1+11}) - 111))) \\
&:= ((2 \times 2 \times 22 + 2)^2) - 2 - 2 - 2 \\
&:= (3+3) \times ((33/3)^3 + (3 \times (3+3))) \\
&:= ((4+4) \times (4 \times (4^4-4) + 4)) - (4+4)/4 \\
&:= 5 + ((5^5+5)/(5+5) + (5/5+5)^5) \\
&:= 6 \times 6 + (((6+6) \times 666) + 66) \\
&:= 7 + ((77 \times (7 \times (7+7) + 7)) + ((7+7)/7)) \\
&:= (8-88)/8 + ((8 \times 8 \times 8 \times (8+8)) - 88) \\
&:= ((9+9+9)/9) + (9 \times (9 \times 99 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8095 &:= 1 + (1 + (1 + (11 + (((1+1)^{1+1+11}) - 111)))) \\
&:= ((2 \times 2 \times 22 + 2)^2) - 2/2 - 2 - 2 \\
&:= 3/3 + ((3+3) \times ((33/3)^3 + (3 \times (3+3)))) \\
&:= ((4+4) \times (4 \times (4^4-4) + 4)) - 4/4 \\
&:= ((5 \times 5 + 5) \times (5 \times 55 - 5)) - 5 \\
&:= 6 \times 6 + (((6+6) \times 666) + 66) + 6/6 \\
&:= ((77-7)/7) + (77 \times (7 \times (7+7) + 7)) \\
&:= (8 \times 8 \times 8 \times (8+8)) - ((8/8+88) + 8) \\
&:= ((9-99)/(9+9)) + 9 \times (9 \times 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8096 &:= (1+1) \times ((1+1) \times ((1+1)^{11} - ((1+1) \times (1+1)))) \\
&:= 2^{2+2} \times (22^2 + 22) \\
&:= 3 \times 33 + (((33/3+3 \times 3)^3) - 3) \\
&:= (4+4) \times (4 \times (4^4-4) + 4) \\
&:= 55/5 \times (555+5^5)/5 \\
&:= 66/6 \times (((6 \times 6/(6+6))^6) + 6/6) + 6 \\
&:= 77/7 + (77 \times (7 \times (7+7) + 7)) \\
&:= 88 \times (8 \times 8/(8+8) + 88) \\
&:= (9-9/9) \times (9999/9-99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8097 &:= ((11-1) \times (11-1-1))^{1+1} - 1 - 1 - 1 \\
&:= ((2 \times 2 \times 22 + 2)^2) - 2/2 - 2 \\
&:= (3^3 \times (3 \times 3 \times 33 + 3)) - 3 \\
&:= 4/4 + ((4+4) \times (4 \times (4^4-4) + 4)) \\
&:= 5/5 + (55/5 \times (555+5^5)/5) \\
&:= 666/6 + (((6+6) \times 666) - 6) \\
&:= (77+7)/7 + (77 \times (7 \times (7+7) + 7)) \\
&:= 8/8 + (88 \times (8 \times 8/(8+8) + 88)) \\
&:= 9 \times (9 \times 99 + 9) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8098 &:= ((11-1) \times (11-1-1))^{1+1} - 1 - 1 \\
&:= ((2 \times 2 \times 22 + 2)^2) - 2 \\
&:= 3/3 + ((3^3 \times (3 \times 3 \times 33 + 3)) - 3) \\
&:= (4+4)/4 + ((4+4) \times (4 \times (4^4-4) + 4)) \\
&:= ((5 \times 5 + 5) \times (5 \times 55 - 5)) - (5+5)/5 \\
&:= 6 + (((6+6)/6)^{6+6}) + 6 \times 666 \\
&:= 7 + (((77 \times (7 \times (7+7) + 7)) - 7/7) + 7) \\
&:= 88 + ((8/8+8) \times (888 + ((8+8)/8))) \\
&:= 9 \times (9 \times 99 + 9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8099 &:= ((11-1) \times (11-1-1))^{1+1} - 1 \\
&:= ((2 \times 2 \times 22 + 2)^2) - 2/2 \\
&:= 3 \times 33 + ((33/3+3 \times 3)^3) \\
&:= 4 + (((4+4) \times (4 \times (4^4-4) + 4)) - 4/4) \\
&:= ((5 \times 5 + 5) \times (5 \times 55 - 5)) - 5/5 \\
&:= 6 \times 6 + ((6+6) \times (666+6) - 6/6) \\
&:= 7 + ((77 \times (7 \times (7+7) + 7)) + 7) \\
&:= 8 + ((8/8+8) \times (888+88/8)) \\
&:= 9 \times (9 \times 99 + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8100 &:= ((11-1) \times (11-1-1))^{1+1} \\
&:= (2 \times 2 \times 22 + 2)^2 \\
&:= 3^3 \times (3 \times 3 \times 33 + 3) \\
&:= 4 + ((4+4) \times (4 \times (4^4-4) + 4)) \\
&:= (5 \times 5 + 5) \times (5 \times 55 - 5) \\
&:= 6 \times 6 + (6+6) \times (666+6) \\
&:= (7/7+7+7) \times (7 \times 77 + 7/7) \\
&:= ((8+8)/8+88)^{(8+8)/8} \\
&:= 9 \times (9 \times 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8101 &:= ((11-1) \times (11-1-1))^{1+1} + 1 \\
&:= 2/2 + ((2 \times 2 \times 22 + 2)^2) \\
&:= 3/3 + (3^3 \times (3 \times 3 \times 33 + 3)) \\
&:= 4 + (((4+4) \times (4 \times (4^4-4) + 4)) + 4/4) \\
&:= 5/5 + ((5 \times 5 + 5) \times (5 \times 55 - 5)) \\
&:= 6 \times 6 + ((6+6) \times (666+6) + 6/6) \\
&:= 7 + (((77 \times (7 \times (7+7) + 7)) + ((7+7)/7)) + 7) \\
&:= 8/8 + (((8+8)/8+88)^{(8+8)/8}) \\
&:= 9/9 + 9 \times (9 \times 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8102 &:= ((11-1) \times (11-1-1))^{1+1} + 1 + 1 \\
&:= 2 + ((2 \times 2 \times 22 + 2)^2) \\
&:= 3 + (((33/3+3 \times 3)^3) + 3 \times 33) \\
&:= (4+4)/4 \times ((4+4)^4 - 44 - 4/4) \\
&:= (5+5)/5 + ((5 \times 5 + 5) \times (5 \times 55 - 5)) \\
&:= ((6+6) \times 666) + (666-6)/6 \\
&:= 7 + ((77 \times (7 \times (7+7) + 7)) + ((77-7)/7)) \\
&:= (8 \times 8 \times 8 \times (8+8)) - ((8+8)/8+88) \\
&:= (9+9)/9 + 9 \times (9 \times 99 + 9)
\end{aligned}$$

- **8103** := $111 \times (1 + ((1+11)^{1+1}/(1+1)))$
:= $2 + (((2 \times 2 \times 22 + 2)^2) + 2/2)$
:= $3 + (3^3 \times (3 \times 3 \times 33 + 3))$
:= $444/4 \times (((4^4 + 4)/4 + 4) + 4)$
:= $5 + (((5 \times 5 + 5) \times (5 \times 55 - 5)) - ((5+5)/5))$
:= $666/6 + ((6+6) \times 666)$
:= $7 + ((77 \times (7 \times (7+7) + 7)) + (77/7))$
:= $888/8 \times ((8/8 + 8 \times 8) + 8)$
:= $(9+9+9)/9 + 9 \times (9 \times 99 + 9)$
- **8104** := $1 + (111 \times (1 + ((1+11)^{1+1}/(1+1))))$
:= $2 + (((2 \times 2 \times 22 + 2)^2) + 2)$
:= $3 + ((3^3 \times (3 \times 3 \times 33 + 3)) + 3/3)$
:= $(4+4) \times (4 \times 4^4 - 44/4)$
:= $5 + (((5 \times 5 + 5) \times (5 \times 55 - 5)) - 5/5)$
:= $((6+6) \times 666) + (666+6)/6$
:= $(7 \times (7+7) \times (77+7)) - ((7+7)/7)^7$
:= $(8 \times 8 \times 8 \times (8+8)) - 88$
:= $9 \times (9 \times 99 + 9) + ((9 \times 9 - 9)/(9+9))$
- **8105** := $1 + (1 + (111 \times (1 + ((1+11)^{1+1}/(1+1))))$
:= $2 + (((2 \times 2 \times 22 + 2)^2) + 2/2) + 2)$
:= $3 + (((33/3 + 3 \times 3^3) + 3 \times 33) + 3)$
:= $4/4 + ((4+4) \times (4 \times 4^4 - 44/4))$
:= $5 + ((5 \times 5 + 5) \times (5 \times 55 - 5))$
:= $6 + (((6+6) \times (666+6) - 6/6) + 6 \times 6)$
:= $((7/7 + 77) \times (777/7 - 7)) - 7$
:= $8/8 + ((8 \times 8 \times 8 \times (8+8)) - 88)$
:= $9 \times (9 \times 99 + 9) + ((9 \times 9 + 9)/(9+9))$
- **8106** := $(1+1) \times (1 + ((1+1) \times ((1+1)^{11} - (11+11))))$
:= $2 + (((2 \times 2 \times 22 + 2)^2) + 2) + 2)$
:= $3 + (3^3 \times (3 \times 3 \times 33 + 3)) + 3)$
:= $(4+4)/4 \times (((4+4)^4 - 44) + 4/4)$
:= $55 + ((5/5 + 5)^5 + 5 \times 55)$
:= $6 + ((6+6) \times (666+6) + 6 \times 6)$
:= $7 + (((77 \times (7 \times (7+7) + 7)) + 7) + 7)$
:= $(8+8)/8 + ((8 \times 8 \times 8 \times (8+8)) - 88)$
:= $9 + (9 \times (9 \times 99 + 9) - ((9+9+9)/9))$
- **8107** := $11 \times (11 \times (1 + ((1+1) \times (11 \times (1+1+1))))$
:= $2 + (((((2 \times 2 \times 22 + 2)^2) + 2/2) + 2) + 2)$
:= $33/3 \times ((3^{3+3} - 3/3) + 3 \times 3)$
:= $44 + ((4 \times (4+4) \times (4^4 - 4)) - 4/4)$
:= $55/5 \times (((555 + 5^5) + 5)/5)$
:= $66/6 \times (((66/6) \times (66 + 6/6))$
:= $7 + ((7/7 + 7 + 7) \times (7 \times 77 + 7/7))$
:= $8 + (((8/8 + 8) \times (888 + 88/8)) + 8)$
:= $9 + (9 \times (9 \times 99 + 9) - ((9+9)/9))$
- **8108** := $1 + (11 \times (11 \times (1 + ((1+1) \times (11 \times (1+1+1))))$
:= $2 \times ((2 \times (2^{22/2} - 22)) + 2)$
:= $(3 \times (33 + 3)) + ((33/3 + 3 \times 3)^3)$
:= $44 + (4 \times (4+4) \times (4^4 - 4))$
:= $5 + (((5 \times 5 + 5) \times (5 \times 55 - 5)) - ((5+5)/5) + 5)$
:= $6 + (((6+6) \times 666) + ((666-6)/6))$
:= $((7+7)/7)^{7-7/7+7} - 77 - 7$
:= $8 + (((8+8)/8 + 88)^{(8+8)/8})$
:= $9 + (9 \times (9 \times 99 + 9) - 9/9)$
- **8109** := $((11-1) \times (11-1-1))^{1+1} + 11-1-1$
:= $22/2 + (((2 \times 2 \times 22 + 2)^2) - 2)$
:= $3 \times (((3 \times (33 \times 3^3)) + 3^3) + 3)$
:= $44 + ((4 \times (4+4) \times (4^4 - 4)) + 4/4)$
:= $5 + (((5 \times 5 + 5) \times (5 \times 55 - 5)) - 5/5) + 5)$
:= $6 + (((6+6) \times 666) + 666/6)$
:= $7 \times 7 \times 7 + (7777 - (77/7))$
:= $(8 \times (8 \times 8 \times (8+8) - 8)) - (88/8 + 8)$
:= $9 + 9 \times (9 \times 99 + 9)$
- **8110** := $((11-1) \times (11-1-1))^{1+1} + 11-1$
:= $2 + (((2 \times 2 \times 22 + 2)^2) + 2 \times (2+2))$
:= $3 + (33/3 \times ((3^{3+3} - 3/3) + 3 \times 3))$
:= $4 + ((4+4)/4 \times (((4+4)^4 - 44) + 4/4))$
:= $5 + (((5 \times 5 + 5) \times (5 \times 55 - 5)) + 5)$
:= $6 + (((6+6) \times 666) + (666+6)/6)$
:= $7 + (((77 \times (7 \times (7+7) + 7)) + (77/7)) + 7)$
:= $8 + ((8 \times 8 \times 8 \times (8+8)) - ((8+8)/8 + 88))$
:= $9 + (9 \times (9 \times 99 + 9) + 9/9)$
- **8111** := $11 + ((11-1) \times (11-1-1))^{1+1}$
:= $22/2 + ((2 \times 2 \times 22 + 2)^2)$
:= $33/3 + (3^3 \times (3 \times 3 \times 33 + 3))$
:= $(4 \times 4^4 \times (4+4)) - (4 - 4/4)^4$
:= $5 + (((5/5 + 5)^5 + 5 \times 55) + 55)$
:= $6 \times 6 + ((6+6) \times (666+6) + (66/6))$
:= $7 + ((7 \times (7+7) \times (77+7)) - ((7+7)/7)^7)$
:= $8 + (888/8 \times ((8/8 + 8 \times 8) + 8))$
:= $99/9 + 9 \times (9 \times 99 + 9)$
- **8112** := $(1+11) \times (((1+1) \times (1+1+11))^{1+1})$
:= $2 \times (2 \times ((2^{22/2} - 22) + 2))$
:= $(33 \times (3 \times 3 \times 3^3 + 3)) - 3 - 3$
:= $4 \times ((4 \times 444 - 4) + 4^4)$
:= $(5 \times 5 + 5/5) \times (5^5 - 5)/(5+5)$
:= $(6+6) \times (((66-6)/6 + 666)$
:= $(7/7 + 77) \times (777/7 - 7)$
:= $8 + ((8 \times 8 \times 8 \times (8+8)) - 88)$
:= $(99+9)/9 + 9 \times (9 \times 99 + 9)$
- **8113** := $1 + ((1+11) \times (((1+1) \times (1+1+11))^{1+1}))$
:= $2 + (((2 \times 2 \times 22 + 2)^2) + 22/2)$
:= $3/3 + ((33 \times (3 \times 3 \times 3^3 + 3)) - (3+3))$
:= $4/4 + (4 \times ((4 \times 444 - 4) + 4^4))$
:= $5 \times 5 + ((5^5 - 5)/(5+5) + (5/5 + 5)^5)$
:= $6 + ((66/6) \times ((66/6) \times (66 + 6/6)))$
:= $7 \times 7 \times 7 + (7777 - 7)$
:= $8 + (((8 \times 8 \times 8 \times (8+8)) - 88) + 8/8)$
:= $9 \times (9 \times 99 + 9) + ((99+9+9)/9)$
- **8114** := $(11 \times (1111 - 1)) - ((1+1)^{1+11})$
:= $2 + (2 \times (2 \times ((2^{22/2} - 22) + 2)))$
:= $(33 \times (3 \times 3 \times 3^3 + 3)) - (3/3 + 3)$
:= $(4+4)/4 + (4 \times ((4 \times 444 - 4) + 4^4))$
:= $(5 \times (5 \times (5 \times (55 + 5 + 5)))) - 55/5$
:= $((6+6) \times 666) + (666+66)/6$
:= $7/7 + ((7777 - 7) + 7 \times 7 \times 7)$
:= $8 + (((8 \times 8 \times 8 \times (8+8)) - 88) + ((8+8)/8))$
:= $9 + (9 \times (9 \times 99 + 9) + ((9 \times 9 + 9)/(9+9)))$
- **8115** := $1 + ((11 \times (1111 - 1)) - ((1+1)^{1+11}))$
:= $2 + (((2 \times 2 \times 22 + 2)^2) + 22/2) + 2)$
:= $(33 \times (3 \times 3 \times 3^3 + 3)) - 3$
:= $4 + (4 \times 4^4 \times (4+4)) - (4 - 4/4)^4$
:= $(5 \times (5 \times (5 \times (55 + 5 + 5)))) - 5 - 5$
:= $6 + (((6+6) \times 666) + 666/6) + 6)$
:= $((7+7)/7)^{7-7/7+7} - 77$
:= $88/8 + ((8 \times 8 \times 8 \times (8+8)) - 88)$
:= $99 + (9 \times 9 \times 99 - ((9+9+9)/9))$
- **8116** := $1 + (1 + ((11 \times (1111 - 1)) - ((1+1)^{1+11})))$
:= $2^{2+2} + ((2 \times 2 \times 22 + 2)^2)$
:= $3/3 + ((33 \times (3 \times 3 \times 3^3 + 3)) - 3)$
:= $((4+4) \times (4 \times 4^4 - 4)) - 44$
:= $5 + (((5/5 + 5)^5 + 5 \times 55) + 55) + 5)$
:= $(66 \times ((666/6 + 6) + 6)) - (6+6)/6$
:= $77 \times 77 + ((7+7+7)/7)^7$
:= $8 + (((8+8)/8 + 88)^{(8+8)/8} + 8)$
:= $99 + (9 \times 9 \times 99 - ((9+9)/9))$
- **8117** := $(11 \times ((1+1)^{11} - 1)) - ((11^{1+1} - 1)^{1+1})$
:= $2/2 + (((2 \times 2 \times 22 + 2)^2) + 2^{2+2})$
:= $(33 \times (3 \times 3 \times 3^3 + 3)) - 3/3$
:= $4/4 + (((4+4) \times (4 \times 4^4 - 4)) - 44)$
:= $5 + ((5 \times 5 + 5/5) \times (5^5 - 5)/(5+5))$
:= $(66 \times ((666/6 + 6) + 6)) - 6/6$
:= $7/7 + (((7+7+7)/7)^7 + 77 \times 77)$
:= $(8 \times (8 \times 8 \times (8+8) - 8)) - 88/8$
:= $99 + (9 \times 9 \times 99 - 9/9)$

$$\begin{aligned}
\blacktriangleright 8118 &:= (1+1) \times (11 \times ((1+1+1) \times (1+(1+11^{1+1})))) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) + 2^{2+2}) \\
&:= 33 \times (3 \times 3 \times 3^3 + 3) \\
&:= (4+4)/4 + (((4+4) \times (4 \times 4^4 - 4)) - 44) \\
&:= 55/5 \times (((555 + 5^5) + 5) + 5)/5 \\
&:= 66 \times ((666/6 + 6) + 6) \\
&:= 7 \times 7 \times 7 + (7777 - ((7+7)/7)) \\
&:= (8-88)/8 + (8 \times (8 \times 8 \times (8+8) - 8)) \\
&:= 99 + 9 \times 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8119 &:= 111 + (11 \times ((11-1-1)^{1+1+1} - 1)) \\
&:= 22 + (((2 \times 2 \times 22 + 2)^2) - (2/2 + 2)) \\
&:= 3/3 + (33 \times (3 \times 3 \times 3^3 + 3)) \\
&:= 4 + ((4 \times 4^4 \times (4+4)) - (4-4/4)^4) + 4 \\
&:= (5 \times (5 \times (5 \times (55 + 5 + 5)))) - (5/5 + 5) \\
&:= 6/6 + (66 \times ((666/6 + 6) + 6)) \\
&:= 7 \times 7 \times 7 + (7777 - 7/7) \\
&:= (8 \times (8 \times 8 \times (8+8) - 8)) - (8/8 + 8) \\
&:= 9/9 + (9 \times 9 \times 99 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8120 &:= (1 + (1+11)^{1+1}) \times (1+111)/(1+1) \\
&:= 22 + (((2 \times 2 \times 22 + 2)^2) - 2) \\
&:= 3 + ((33 \times (3 \times 3 \times 3^3 + 3)) - 3/3) \\
&:= 4 + (((4+4) \times (4 \times 4^4 - 4)) - 44) \\
&:= (5 \times (5 \times (5 \times (55 + 5 + 5)))) - 5 \\
&:= ((6+6)/6) \times (((6+6)/6)^{6+6}) - 6 \times 6 \\
&:= 7 \times 7 \times 7 + 7777 \\
&:= (8 \times (8 \times 8 \times (8+8) - 8)) - 8 \\
&:= 9 + (9 \times (9 \times 99 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8121 &:= 11^{1+1} + (((1+1) \times (11-1))^{1+1+1}) \\
&:= 22 + (((2 \times 2 \times 22 + 2)^2) - 2/2) \\
&:= 3 + (33 \times (3 \times 3 \times 3^3 + 3)) \\
&:= ((4/4+4)^4 \times ((4/4+4+4) + 4)) - 4 \\
&:= 5/5 + ((5 \times (5 \times (5 \times (55 + 5 + 5)))) - 5) \\
&:= 6 \times 6 + (((66/6) \times (((6 \times 6)/(6+6))^6) + 6)) \\
&:= 7/7 + (7777 + 7 \times 7 \times 7) \\
&:= 8/8 + ((8 \times (8 \times 8 \times (8+8) - 8)) - 8) \\
&:= 9 \times 9 \times 99 + (999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8122 &:= 1 + (11^{1+1} + (((1+1) \times (11-1))^{1+1+1})) \\
&:= 22 + ((2 \times 2 \times 22 + 2)^2) \\
&:= 3 + ((33 \times (3 \times 3 \times 3^3 + 3)) + 3/3) \\
&:= (4 \times (4+4) - 4/4) \times (((4+4)/4 + 4^4) + 4) \\
&:= 5 + (((5 \times 5 + 5/5) \times (5^5 - 5)/(5+5)) + 5) \\
&:= 66 + (((6+6) \times 666) + ((6+6)/6)^6) \\
&:= 7 + (((7+7)/7)^{7-7/7+7} - 77) \\
&:= (8+8)/8 + ((8 \times (8 \times 8 \times (8+8) - 8)) - 8) \\
&:= 9 \times 9 \times 99 + (((999+9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8123 &:= 11 + ((1+11) \times (((1+1) \times (1+1+11))^{1+1})) \\
&:= 22 + (((2 \times 2 \times 22 + 2)^2) + 2/2) \\
&:= 3 + (((33 \times (3 \times 3 \times 3^3 + 3)) - 3/3) + 3) \\
&:= (4 \times 4^4 \times (4+4)) - ((4^4 + 4)/4 + 4) \\
&:= (5 \times (5 \times (5 \times (55 + 5 + 5)))) - (5+5)/5 \\
&:= ((6+6) \times (666 + (66/6))) - 6/6 \\
&:= 7 + (((7+7+7)/7)^7 + 77 \times 77) \\
&:= 8 + (((8 \times 8 \times 8 \times (8+8)) - 88) + (88/8)) \\
&:= 99 + (((9 \times 9 + 9)/(9+9)) + 9 \times 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8124 &:= (1+11) \times (1 + (((1+1) \times (1+1+11))^{1+1})) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) + 22) \\
&:= 3 + ((33 \times (3 \times 3 \times 3^3 + 3)) + 3) \\
&:= (4 \times (4 \times 444 + 4^4)) - 4 \\
&:= (5 \times (5 \times (5 \times (55 + 5 + 5)))) - 5/5 \\
&:= (6+6) \times (666 + (66/6)) \\
&:= 7 \times 7 \times 7 + ((7777 - 7) + (77/7)) \\
&:= (8 \times (8 \times 8 \times (8+8) - 8)) - 8 \times 8/(8+8) \\
&:= 9 + ((9 \times 9 \times 99 - ((9+9)/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8125 &:= (11 \times 1111) - ((1+1)^{1+1+1}) \\
&:= (22/2 + 2) \times ((2/2 + 2 + 2)^{2+2}) \\
&:= 3 + (((33 \times (3 \times 3 \times 3^3 + 3)) + 3/3) + 3) \\
&:= (4/4 + 4)^4 \times ((4/4 + 4 + 4) + 4) \\
&:= 5 \times (5 \times (5 \times (55 + 5 + 5))) \\
&:= 6/6 + ((6+6) \times (666 + (66/6))) \\
&:= 7 + ((7777 - ((7+7)/7)) + 7 \times 7 \times 7) \\
&:= 8 + ((8 \times (8 \times 8 \times (8+8) - 8)) - (88/8)) \\
&:= 9 + ((9 \times 9 \times 99 - ((9+9)/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8126 &:= 1 + ((11 \times 1111) - ((1+1)^{1+1+1})) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) + 22) + 2) \\
&:= (3 - 3/3) \times ((3/3 + 3)^{3+3} - 33) \\
&:= (4 \times 4^4 \times (4+4)) - ((4^4 + 4 + 4)/4) \\
&:= 5/5 + (5 \times (5 \times (5 \times (55 + 5 + 5)))) \\
&:= (((6+6)/6)^{6/6+6+6}) - 66 \\
&:= 7 + ((7777 - 7/7) + 7 \times 7 \times 7) \\
&:= (8 \times (8 \times 8 \times (8+8) - 8)) - (8+8)/8 \\
&:= 9 + ((9 \times 9 \times 99 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8127 &:= 1 + (1 + ((11 \times 1111) - ((1+1)^{1+1+1}))) \\
&:= 2 + ((22/2 + 2) \times ((2/2 + 2 + 2)^{2+2})) \\
&:= 3 + (((3 \times (33 \times 3^3)) + 33) + 3) \\
&:= (4 \times 4^4 \times (4+4)) - (4^4 + 4)/4 \\
&:= (5+5)/5 + (5 \times (5 \times (5 \times (55 + 5 + 5)))) \\
&:= 6/6 + (((6+6)/6)^{6/6+6+6}) - 66 \\
&:= 7 + (7777 + 7 \times 7 \times 7) \\
&:= (8 \times (8 \times 8 \times (8+8) - 8)) - 8/8 \\
&:= 9 + (9 \times 9 \times 99 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8128 &:= (1+1) \times (1 + (((1+1)^{1+1+1}) - (11 \times (1+1+1)))) \\
&:= 2 \times (2 \times (2^{22/2} - 2^{2+2})) \\
&:= (33 - 3/3) \times ((3^{3+3} + 33)/3) \\
&:= 4 \times (4 \times 444 + 4^4) \\
&:= 5 + ((5 \times (5 \times (5 \times (55 + 5 + 5)))) - ((5+5)/5)) \\
&:= ((6+6)/6)^6 + (6+6) \times (666 + 6) \\
&:= 7 + ((7777 + 7 \times 7 \times 7) + 7/7) \\
&:= 8 \times (8 \times 8 \times (8+8) - 8) \\
&:= 9 + ((9 \times 9 \times 99 + 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8129 &:= 11 \times (11 + ((11-1-1)^{1+1+1} - 1)) \\
&:= 2/2 + (2 \times (2 \times (2^{22/2} - 2^{2+2}))) \\
&:= 33/3 + (33 \times (3 \times 3 \times 3^3 + 3)) \\
&:= 4/4 + (4 \times (4 \times 444 + 4^4)) \\
&:= 5 + ((5 \times (5 \times (5 \times (55 + 5 + 5)))) - 5/5) \\
&:= 66 + ((6+6) \times (666 + 6) - 6/6) \\
&:= 7 + (((7+7)/7)^{7-7/7+7} - 77) + 7) \\
&:= 8/8 + (8 \times (8 \times 8 \times (8+8) - 8)) \\
&:= 99 + (9 \times 9 \times 99 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8130 &:= 111 + (11 \times (11-1-1)^{1+1+1}) \\
&:= 2 + (2 \times (2 \times (2^{22/2} - 2^{2+2}))) \\
&:= (3+3) \times (((33/3)^3 - 3) + 3^3) \\
&:= (4+4)/4 + (4 \times (4 \times 444 + 4^4)) \\
&:= 5 + (5 \times (5 \times (5 \times (55 + 5 + 5)))) \\
&:= 66 + (6+6) \times (666 + 6) \\
&:= 7 + (((7+7+7)/7)^7 + 77 \times 77) + 7) \\
&:= (8+8)/8 + (8 \times (8 \times 8 \times (8+8) - 8)) \\
&:= 9 \times 9 \times 99 + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8131 &:= 1 + (111 + (11 \times (11-1-1)^{1+1+1})) \\
&:= 2 + ((2 \times (2 \times (2^{22/2} - 2^{2+2}))) + 2/2) \\
&:= 3 + ((33 \times (3+3)^3) + ((3 \times 3 + 3/3)^3)) \\
&:= 4 + (4 \times 4^4 \times (4+4)) - (4^4 + 4)/4 \\
&:= 5 + ((5 \times (5 \times (5 \times (55 + 5 + 5)))) + 5/5) \\
&:= 66 + ((6+6) \times (666 + 6) + 6/6) \\
&:= 7 \times 7 \times 7 + (7777 + (77/7)) \\
&:= 88/8 + ((8 \times (8 \times 8 \times (8+8) - 8)) - 8) \\
&:= 9 \times 9 \times 99 + ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8132 &:= (1+1) \times (((1+1)^{1+1+1}) - ((11-1) \times (1+1+1))) \\
&:= 2 \times ((2 \times (2^{22/2} - 2^{2+2})) + 2) \\
&:= (3 \times ((33/3 + 3)^3 - 33)) - 3/3 \\
&:= 4 + (4 \times (4 \times 444 + 4^4)) \\
&:= 5 + ((5 \times (5 \times (5 \times (55 + 5 + 5)))) + ((5+5)/5)) \\
&:= 6 + (((6+6)/6)^{6/6+6+6}) - 66 \\
&:= ((7+7) \times (7 \times (77+7) - 7)) - (7+7)/7 \\
&:= 8 \times 8/(8+8) + (8 \times (8 \times 8 \times (8+8) - 8)) \\
&:= 9 \times 9 \times 99 + ((999+9+9)/9)
\end{aligned}$$

- **8133** := $((1+1) \times ((1+1) \times ((1+1)^{11} - (1+11)))) - 11$
:= $22 + ((2 \times 2 \times 22 + 2)^2) + 22/2$
:= $3 \times ((33/3 + 3)^3 - 33)$
:= $4 + ((4 \times (4 \times 444 + 4^4)) + 4/4)$
:= $((5 \times 5 + 5/5) \times (5^5 + 5)/(5 + 5)) - 5$
:= $(6^{6-6/6}) + (66 \times 66/(6 + 6)) - 6$
:= $((7 + 7) \times (7 \times (77 + 7) - 7)) - 7/7$
:= $8 + (((8 \times (8 \times 8 \times (8 + 8) - 8)) - (88/8)) + 8)$
:= $9 \times 9 \times 99 + (((999 + 9 + 9) + 9)/9)$
- **8134** := $1 + (((1+1) \times ((1+1) \times ((1+1)^{11} - (1+11)))) - 11)$
:= $((2 + 2 + 2)^2 \times (222 + 2 + 2)) - 2$
:= $3/3 + (3 \times ((33/3 + 3)^3 - 33))$
:= $4 + ((4 \times (4 \times 444 + 4^4)) + (4 + 4)/4)$
:= $5 + (((5 \times (5 \times (5 \times (55 + 5 + 5)))) - 5/5) + 5)$
:= $((6 + 6) \times ((666 + 6) + 6)) - (6 + 6)/6$
:= $(7 + 7) \times (7 \times (77 + 7) - 7)$
:= $8 + ((8 \times (8 \times 8 \times (8 + 8) - 8)) - ((8 + 8)/8))$
:= $(99 - 9/9) \times (((9 + 9)/9) + 9 \times 9)$
- **8135** := $((1+1)^{1+1+11}) - (1 + (1 + 111)/(1 + 1))$
:= $((2 + 2 + 2)^2 \times (222 + 2 + 2)) - 2/2$
:= $((3^3 - 3) \times (333 + 3 + 3)) - 3/3$
:= $4 + ((4 \times 4^4 \times (4 + 4)) - (4^4 + 4)/4) + 4$
:= $5 + ((5 \times (5 \times (5 \times (55 + 5 + 5)))) + 5)$
:= $((6 + 6) \times ((666 + 6) + 6)) - 6/6$
:= $7/7 + ((7 + 7) \times (7 \times (77 + 7) - 7))$
:= $8 + ((8 \times (8 \times 8 \times (8 + 8) - 8)) - 8/8)$
:= $9 + (((9 \times 9 \times 99 - 9/9) + 99) + 9)$
- **8136** := $(1 + 1 + 111) \times ((1 + 11)^{1+1}/(1 + 1))$
:= $(2 + 2 + 2)^2 \times (222 + 2 + 2)$
:= $(3^3 - 3) \times (333 + 3 + 3)$
:= $4 + ((4 \times (4 \times 444 + 4^4)) + 4)$
:= $55/5 + (5 \times (5 \times (5 \times (55 + 5 + 5))))$
:= $(6 + 6) \times ((666 + 6) + 6)$
:= $(7 + 7)/7 + ((7 + 7) \times (7 \times (77 + 7) - 7))$
:= $8 + (8 \times (8 \times 8 \times (8 + 8) - 8))$
:= $9 + ((9 \times 9 \times 99 + 99) + 9)$
- **8137** := $((1+1)^{1+1+11}) - (111 - 1)/(1 + 1)$
:= $2/2 + ((2 + 2 + 2)^2 \times (222 + 2 + 2))$
:= $3/3 + ((3^3 - 3) \times (333 + 3 + 3))$
:= $(4 \times 4^4 \times (4 + 4)) - 44/4 - 44$
:= $((5 + 5)/5)^{(55+5+5)/5} - 55$
:= $6/6 + ((6 + 6) \times ((666 + 6) + 6))$
:= $(7 + 7 + 7)/7 + ((7 + 7) \times (7 \times (77 + 7) - 7))$
:= $8 + ((8 \times (8 \times 8 \times (8 + 8) - 8)) + 8/8)$
:= $9 + (((9 \times 9 \times 99 + 9/9) + 99) + 9)$
- **8138** := $1 + (((1+1)^{1+1+11}) - (111 - 1)/(1 + 1))$
:= $2 + ((2 + 2 + 2)^2 \times (222 + 2 + 2))$
:= $(3 - 3/3) \times ((3/3 + 3)^{3+3} - 3^3)$
:= $(4 + 4)/4 \times ((4 + 4)^4 - (44/4 + 4 \times 4))$
:= $(5 \times 5 + 5/5) \times (5^5 + 5)/(5 + 5)$
:= $(6 + 6)/6 + ((6 + 6) \times ((666 + 6) + 6))$
:= $7 + ((7777 + (77/7)) + 7 \times 7 \times 7)$
:= $8 + ((8 \times (8 \times 8 \times (8 + 8) - 8)) + ((8 + 8)/8))$
:= $9 + ((9 \times 9 \times 99 + (99/9)) + 99)$
- **8139** := $(11 \times (11 + (11 - 1 - 1)^{1+1+1})) - 1$
:= $(2 \times (2 \times (2^{22/2} - 2) - 22)) - 2/2$
:= $3 + ((3^3 - 3) \times (333 + 3 + 3))$
:= $44/4 + (4 \times (4 \times 444 + 4^4))$
:= $(5 \times (55 \times (5 \times 5 + 5))) - 555/5$
:= $(6^{6-6/6}) + 66 \times 66/(6 + 6)$
:= $7 + (((7 + 7) \times (7 \times (77 + 7) - 7)) - ((7 + 7)/7))$
:= $88/8 + (8 \times (8 \times 8 \times (8 + 8) - 8))$
:= $9 + (9 \times 9 \times 99 + 999/9)$
- **8140** := $11 \times (11 + (11 - 1 - 1)^{1+1+1})$
:= $2 \times (2 \times (2^{22/2} - 2) - 22)$
:= $33/3 \times (3^{3+3} + 33/3)$
:= $44 + ((4 + 4) \times (4 \times (4^4 - 4) + 4))$
:= $55 \times (5 \times (5 \times 5 + 5) - ((5 + 5)/5))$
:= $6 + (((6 + 6) \times ((666 + 6) + 6)) - ((6 + 6)/6))$
:= $7 + (((7 + 7) \times (7 \times (77 + 7) - 7)) - 7/7)$
:= $((88 + 8)/8) + (8 \times (8 \times 8 \times (8 + 8) - 8))$
:= $99/9 \times (9 \times 9 \times 9 + (99/9))$
- **8141** := $1 + (11 \times (11 + (11 - 1 - 1)^{1+1+1}))$
:= $2/2 + (2 \times (2 \times (2^{22/2} - 2) - 22))$
:= $3 + ((3 - 3/3) \times ((3/3 + 3)^{3+3} - 3^3))$
:= $4 + (4 \times 4^4 \times (4 + 4)) - (44/4 + 44)$
:= $5 + ((5 \times (5 \times (5 \times (55 + 5 + 5)))) + (55/5))$
:= $6 + (((6 + 6) \times ((666 + 6) + 6)) - 6/6)$
:= $7 + ((7 + 7) \times (7 \times (77 + 7) - 7))$
:= $88 + (((8 + 8) \times (8 \times 8 \times 8 - 8)) - (88/8))$
:= $9 \times 9 \times 99 + (999 + 99)/9$
- **8142** := $(1 + 1) \times (((1+1) \times ((1+1)^{11} - (1+11)))) - 1$
:= $2 + (2 \times (2 \times (2^{22/2} - 2) - 22))$
:= $3 \times (((33/3 + 3)^3 - 33) + 3)$
:= $(4 \times 44 + 4/4) \times ((4 + 4)/4 + 44)$
:= $5 + (((5 + 5)/5)^{(55+5+5)/5} - 55)$
:= $6 + ((6 + 6) \times ((666 + 6) + 6))$
:= $7 + (((7 + 7) \times (7 \times (77 + 7) - 7)) + 7/7)$
:= $8 + (((8 \times (8 \times 8 \times (8 + 8) - 8)) - ((8 + 8)/8)) + 8)$
:= $9 \times 9 \times 99 + ((999 + 99 + 9)/9)$
- **8143** := $((1+1) \times ((1+1) \times ((1+1)^{11} - (1+11)))) - 1$
:= $222 + ((2 \times 2 \times 22 + 2/2)^2)$
:= $3 + (33/3 \times (3^{3+3} + 33/3))$
:= $(4 \times 4^4 \times (4 + 4)) - ((44 + 4/4) + 4)$
:= $5 + ((5 \times 5 + 5/5) \times (5^5 + 5)/(5 + 5))$
:= $6 + (((6 + 6) \times ((666 + 6) + 6)) + 6/6)$
:= $((7 + 7)/7)^{7-7/7+7} - 7 \times 7$
:= $8 + (((8 \times (8 \times 8 \times (8 + 8) - 8)) - 8/8) + 8)$
:= $9 + ((99 - 9/9) \times (((9 + 9)/9) + 9 \times 9))$
- **8144** := $(1 + 1) \times ((1 + 1) \times ((1 + 1)^{11} - (1 + 11)))$
:= $2 \times (2^{2 \times (2+2+2)} - (22 + 2))$
:= $3^3 + ((33 \times (3 \times 3 \times 3^3 + 3)) - 3/3)$
:= $4 \times ((4 \times 444 + 4^4) + 4)$
:= $5 + ((5 \times (55 \times (5 \times 5 + 5))) - 555/5)$
:= $6 + (((6 + 6) \times ((666 + 6) + 6)) + ((6 + 6)/6))$
:= $7/7 + (((7 + 7)/7)^{7-7/7+7} - 7 \times 7)$
:= $8 + ((8 \times (8 \times 8 \times (8 + 8) - 8)) + 8)$
:= $(9 - 9/9) \times (((999 + 9/9) + 9) + 9)$
- **8145** := $1 + ((1 + 1) \times ((1 + 1) \times ((1 + 1)^{11} - (1 + 11))))$
:= $2 + (((2 \times 2 \times 22 + 2/2)^2) + 222)$
:= $3 \times ((3 \times ((33 \times 3^3) + 3)) + 33)$
:= $4/4 + (4 \times ((4 \times 444 + 4^4) + 4))$
:= $55 \times 55 + 5 \times (5 - 5/5)^5$
:= $6 + (66 \times 66/(6 + 6) + (6^{6-6/6}))$
:= $77/7 + ((7 + 7) \times (7 \times (77 + 7) - 7))$
:= $8 + (((8 \times (8 \times 8 \times (8 + 8) - 8)) + 8/8) + 8)$
:= $9 + (((9 \times 9 \times 99 + 99) + 9) + 9)$
- **8146** := $(1 + 1) \times (((1 + 1) \times ((1 + 1)^{11} - 11)) - 1)$
:= $(2^{22/2+2}) - (2 \times 22 + 2)$
:= $3 + ((33/3 \times (3^{3+3} + 33/3)) + 3)$
:= $(4 \times 4^4 \times (4 + 4)) - ((4 + 4)/4 + 44)$
:= $(5/5 + 5)^5 + ((5 \times (5 \times (5 + 5 + 5))) - 5)$
:= $((66 - 6)/6) + ((6 + 6) \times ((666 + 6) + 6))$
:= $(77 + 7)/7 + ((7 + 7) \times (7 \times (77 + 7) - 7))$
:= $8 + (((8 \times (8 \times 8 \times (8 + 8) - 8)) + (8 + 8)/8) + 8)$
:= $9 + (((9 \times 9 \times 99 + 9/9) + 99) + 9) + 9)$
- **8147** := $((1 + 1) \times ((1 + 1) \times ((1 + 1)^{11} - 11))) - 1$
:= $(2^{22/2+2}) - (2 \times 22 + 2/2)$
:= $((3 + 3) \times ((33/3)^3 + 3^3)) - 3/3$
:= $(4 \times 4^4 \times (4 + 4)) - (44 + 4/4)$
:= $((5 - (5 + 5)/5) + 5) \times ((5 - 5/5)^5 - 5) - 5$
:= $66/6 + ((6 + 6) \times ((666 + 6) + 6))$
:= $((77 + 7) \times (7 \times (7 + 7) - 7/7)) - 7/7$
:= $8 + ((8 \times (8 \times 8 \times (8 + 8) - 8)) + (88/8))$
:= $9 + (((9 \times 9 \times 99 + (99/9)) + 99) + 9)$

$$\begin{aligned}
\blacktriangleright 8148 &:= (1+1) \times ((1+1) \times ((1+1)^{11} - 11)) \\
&:= 2 \times (2^{2 \times (2+2+2)} - 22) \\
&:= (3+3) \times ((33/3)^3 + 3^3) \\
&:= (4 \times 4^4 \times (4+4)) - 44 \\
&:= ((55+5)/5) \times ((5^5 - 5)/5 + 55) \\
&:= 6 + (((6+6) \times ((666+6) + 6)) + 6) \\
&:= (77+7) \times (7 \times (7+7) - 7/7) \\
&:= (8 \times 8 \times 8 \times (8+8)) - (88/((8+8)/8)) \\
&:= 9 + ((9 \times 9 \times 99 + 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8149 &:= 1 + ((1+1) \times ((1+1) \times ((1+1)^{11} - 11))) \\
&:= 2/2 + (2 \times (2^{2 \times (2+2+2)} - 22)) \\
&:= 3/3 + ((3+3) \times ((33/3)^3 + 3^3)) \\
&:= 4/4 + (4 \times 4^4 \times (4+4)) - 44 \\
&:= (5 \times ((5 \times (5 \times (55+5+5))) + 5)) - 5/5 \\
&:= 6 + (((6+6) \times ((666+6) + 6)) + 6/6 + 6) \\
&:= 7/7 + ((77+7) \times (7 \times (7+7) - 7/7)) \\
&:= ((8+8) \times (8 \times 8 \times 8 - ((8+8)/8))) - 88/8 \\
&:= 9 + ((99/9) \times (9 \times 9 \times 9 + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8150 &:= (1+1) \times (1 + ((1+1) \times ((1+1)^{11} - 11))) \\
&:= 2 + (2 \times (2^{2 \times (2+2+2)} - 22)) \\
&:= (((3 \times (3+3)) + 3)^3) - 3333/3 \\
&:= (4+4)/4 + (4 \times 4^4 \times (4+4)) - 44 \\
&:= 5 \times ((5 \times (5 \times (55+5+5))) + 5) \\
&:= (((6+6)/6)^{6/6+6+6}) - (6 \times 6 + 6) \\
&:= 7 + (((7+7)/7)^{7-7/7+7}) - 7 \times 7 \\
&:= 88 + (((8+8) \times (8 \times 8 \times 8 - 8)) - ((8+8)/8)) \\
&:= 9 + ((999+99)/9 + 9 \times 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8151 &:= 1 + ((1+1) \times (1 + ((1+1) \times ((1+1)^{11} - 11)))) \\
&:= 2 + ((2 \times (2^{2 \times (2+2+2)} - 22)) + 2/2) \\
&:= 3 \times ((33/3 + 3)^3 - 3^3) \\
&:= 4 + (4 \times 4^4 \times (4+4)) - (44 + 4/4) \\
&:= (5/5 + 5)^5 + (5 \times (5 \times (5+5+5))) \\
&:= 66/6 \times (((6 \times 6/(6+6))^6) + 6) + 6) \\
&:= 77 + ((77 \times (7 \times (7+7) + 7)) - (77/7)) \\
&:= 88 + (((8+8) \times (8 \times 8 \times 8 - 8)) - 8/8) \\
&:= 99/9 \times ((99+9)/9 + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8152 &:= (1+1) \times ((1+1) \times (1 + (1+1)^{11} - 11)) \\
&:= 2 \times (2^{2 \times (2+2+2)} - 22) + 2 \\
&:= 3/3 + (3 \times ((33/3 + 3)^3 - 3^3)) \\
&:= 4 + (4 \times 4^4 \times (4+4)) - 44 \\
&:= ((5 - (5+5)/5) + 5) \times ((5 - 5/5)^5 - 5) \\
&:= 6 + (((6+6) \times ((666+6) + 6)) + ((66-6)/6)) \\
&:= 7 + (((7+7) \times (7 \times (77+7) - 7)) + (77/7)) \\
&:= 88 + ((8+8) \times (8 \times 8 \times 8 - 8)) \\
&:= (9 - 9/9) \times ((99/9 + 999) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8153 &:= 1 + ((1+1) \times ((1+1) \times (1 + (1+1)^{11} - 11))) \\
&:= 2/2 + ((2^{22/2+2}) + (2 \times (2 - 22))) \\
&:= 3 + (((3 \times (3+3)) + 3)^3) - 3333/3 \\
&:= 4 + ((4 \times 4^4 \times (4+4)) - 44) + 4/4 \\
&:= 5 + (((55+5)/5) \times ((5^5 - 5)/5 + 55)) \\
&:= 6 + (((6+6) \times ((666+6) + 6)) + (66/6)) \\
&:= (7 \times (7+7) \times (77+7)) - ((7+7)/7 + 77) \\
&:= 8/8 + (((8+8) \times (8 \times 8 \times 8 - 8)) + 88) \\
&:= 9 + ((9 - 9/9) \times (((999+9/9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8154 &:= (1+1) \times (1 + ((1+1) \times (1 + (1+1)^{11} - 11))) \\
&:= 2 + ((2^{22/2+2}) + (2 \times (2 - 22))) \\
&:= 3 + (3 \times ((33/3 + 3)^3 - 3^3)) \\
&:= ((4+4) \times (4 \times 4^4 - 4)) - ((4+4)/4 + 4) \\
&:= (55 - 5/5) \times (5 \times (5 \times 5 + 5) + 5/5) \\
&:= 6 + (((6+6) \times ((666+6) + 6)) + 6) + 6) \\
&:= (7 \times (7+7) \times (77+7)) - 7/7 - 77 \\
&:= 88 + (((8+8) \times (8 \times 8 \times 8 - 8)) + ((8+8)/8)) \\
&:= 9 \times (9+9) + 999 \times (9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8155 &:= ((1+1)^{1+1+11}) - (111/(1+1+1)) \\
&:= (2^{22/2+2}) - ((2+2+2)^2 + 2/2) \\
&:= 3 + ((3 \times ((33/3 + 3)^3 - 3^3)) + 3/3) \\
&:= ((4+4) \times (4 \times 4^4 - 4)) - 4/4 - 4 \\
&:= 5 + (5 \times ((5 \times (5 \times (55+5+5))) + 5)) \\
&:= 6 \times 66 + ((6^{6-6/6}) - (66/6 + 6)) \\
&:= (7 \times (7+7) \times (77+7)) - 77 \\
&:= 8 + (((8 \times (8 \times 8 \times (8+8) - 8)) + (88/8)) + 8) \\
&:= (9 \times (9 \times (99+9) - 9)) - ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8156 &:= (1+1) \times ((1+1) \times (1 + (1+1)^{11} - 11))) \\
&:= 2 \times ((2 \times (2^{22/2} + 2)) - 22) \\
&:= (3 - 3/3) \times ((3/3 + 3)^{3+3} - (3 \times (3+3))) \\
&:= ((4+4) \times (4 \times 4^4 - 4)) - 4 \\
&:= 5 + ((5 \times (5 \times (5+5+5))) + (5/5 + 5)^5) \\
&:= (((6+6)/6)^{6/6+6+6}) - 6 \times 6 \\
&:= 7/7 + ((7 \times (7+7) \times (77+7)) - 77) \\
&:= 8 + ((8 \times 8 \times 8 \times (8+8)) - (88/((8+8)/8))) \\
&:= 9 \times (9 \times 99 + 9) + ((999+9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8157 &:= ((1+1) \times (((1+1)^{1+11}) - (1+11))) - 11 \\
&:= 2/2 + (2 \times ((2 \times (2^{22/2} + 2)) - 22)) \\
&:= 3 + ((3 \times ((33/3 + 3)^3 - 3^3)) + 3) \\
&:= 4/4 + (((4+4) \times (4 \times 4^4 - 4)) - 4) \\
&:= 5 + (((5 - (5+5)/5) + 5) \times ((5 - 5/5)^5 - 5)) \\
&:= 6 + ((66/6) \times (((6 \times 6/(6+6))^6) + 6) + 6) \\
&:= 7 + (((7+7)/7)^{7-7/7+7}) - 7 \times 7 + 7 \\
&:= (8 \times 8 \times 8 \times (8+8)) - (88/8 + 8 + 8 + 8) \\
&:= 9 + (((9 \times 9 \times 99 + 999/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8158 &:= ((1+1)^{1+1+11}) - (1+11 \times (1+1+1)) \\
&:= 2 + (2 \times ((2 \times (2^{22/2} + 2)) - 22)) \\
&:= 3 + (((3 \times ((33/3 + 3)^3 - 3^3)) + 3/3) + 3) \\
&:= ((4+4) \times (4 \times 4^4 - 4)) - (4+4)/4 \\
&:= 5 + (((55+5)/5) \times ((5^5 - 5)/5 + 55)) + 5) \\
&:= 66 + (((6+6)/6)^{6+6}) + 6 \times 666) \\
&:= 7777 + (7 \times (7 \times 7 + 7) - (77/7)) \\
&:= ((8+8)/8) \times (8 \times 8 \times 8 \times 8 - (8/8 + 8 + 8)) \\
&:= 9 + (((99/9) \times (9 \times 9 \times 9 + (99/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8159 &:= ((1+1)^{1+1+11}) - (11 \times (1+1+1)) \\
&:= (2^{22/2+2}) - (22/2 + 22) \\
&:= ((3 - 3/3)^{3 \times 3 + 3/3 + 3}) - 33 \\
&:= ((4+4) \times (4 \times 4^4 - 4)) - 4/4 \\
&:= 5 + ((55 - 5/5) \times (5 \times (5 \times 5 + 5) + 5/5)) \\
&:= 6 \times 66 + ((6^{6-6/6}) - (6/6 + 6 + 6)) \\
&:= 77/7 + ((77+7) \times (7 \times (7+7) - 7/7)) \\
&:= ((8+8) \times (8 \times 8 \times 8 - ((8+8)/8))) - 8/8 \\
&:= 9 \times (9 \times 99 + 9 + 9) - ((99+99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8160 &:= 1 + (((1+1)^{1+1+11}) - (11 \times (1+1+1))) \\
&:= 2 \times (2 \times (2^{22/2} - 2 \times (2+2))) \\
&:= 3 \times (((33/3 + 3)^3 - 3^3) + 3) \\
&:= (4+4) \times (4 \times 4^4 - 4) \\
&:= (5+5+5) \times (555 - (55/5)) \\
&:= 6 \times (((6+6)/6)^6 + 6 \times 6 \times 6 \times 6) \\
&:= 77 + ((77 \times (7 \times (7+7) + 7)) - ((7+7)/7)) \\
&:= (8+8) \times (8 \times 8 \times 8 - ((8+8)/8)) \\
&:= (9/9 - 9 \times 9) \times (9 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8161 &:= ((1+1) \times (1 + (((1+1)^{1+11}) - 11))) - 11 \\
&:= 2 + ((2^{22/2+2}) - (22/2 + 22)) \\
&:= 3/3 + (3 \times (((33/3 + 3)^3 - 3^3) + 3)) \\
&:= 4/4 + ((4+4) \times (4 \times 4^4 - 4)) \\
&:= (5/5 + 5)^5 + (55 \times ((5+5)/5 + 5)) \\
&:= 6 \times 66 + ((6^{6-6/6}) - (66/6)) \\
&:= 77 + ((77 \times (7 \times (7+7) + 7)) - 7/7) \\
&:= 8/8 + ((8+8) \times (8 \times 8 \times 8 - ((8+8)/8))) \\
&:= 9 \times (9 \times 99 + 9 + 9) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8162 &:= (1+1) \times (((1+1) \times ((1+1)^{11} - (1+1))) - 11) \\
&:= (2 \times 2 \times (2^{22/2} - 2)) - 22 \\
&:= (3+3) \times 3^3 + ((33/3 + 3 \times 3)^3) \\
&:= (4+4)/4 + ((4+4) \times (4 \times 4^4 - 4)) \\
&:= 5 \times 55 + (555/5 + (5/5 + 5)^5) \\
&:= 6 + (((6+6)/6)^{6/6+6+6}) - 6 \times 6) \\
&:= 77 + (77 \times (7 \times (7+7) + 7)) \\
&:= (8+8)/8 + ((8+8) \times (8 \times 8 \times 8 - ((8+8)/8))) \\
&:= 9 \times (999 - 9 \times 9) - (9/9 + 99)
\end{aligned}$$

- **8163** := $1 + ((1 + 1) \times (((1 + 1) \times ((1 + 1)^{11} - (1 + 1))) - 11))$
:= $2/2 + ((2 \times 2 \times (2^{22/2} - 2)) - 22)$
:= $3 \times ((3^3 \times (3 \times 33 + 3)) - 33)$
:= $4 + (((4 + 4) \times (4 \times 4^4 - 4)) - 4/4)$
:= $5 \times 5 + ((5 \times 5 + 5/5) \times (5^5 + 5)/(5 + 5))$
:= $6 + (((66/6) \times (((6 \times 6/(6 + 6))^6 + 6) + 6)) + 6)$
:= $7/7 + ((77 \times (7 \times (7 + 7) + 7)) + 77)$
:= $(8/8 + 8) \times ((888 + 88/8) + 8)$
:= $9 \times (999 - 9 \times 9) - 99$
- **8164** := $(1 + 1) \times (((1 + 1)^{1+11}) - (1 + (1 + 1 + 11)))$
:= $2 + ((2 \times 2 \times (2^{22/2} - 2)) - 22)$
:= $3/3 + (3 \times ((3^3 \times (3 \times 33 + 3)) - 33))$
:= $4 + ((4 + 4) \times (4 \times 4^4 - 4))$
:= $(5 \times 5 + 5/5) \times ((5^5 + 5)/(5 + 5) + 5/5)$
:= $6 \times 66 + ((6^{6-6/6}) - ((6 + 6)/6 + 6))$
:= $77 + ((77 \times (7 \times (7 + 7) + 7)) + ((7 + 7)/7))$
:= $8 \times 8 + (((8 + 8)/8 + 88)^{(8+8)/8})$
:= $9/9 + (9 \times (999 - 9 \times 9) - 99)$
- **8165** := $((1 + 1)^{1+1+11}) - (1 + 1 + 1)^{1+1+1}$
:= $(2^{22/2+2}) - (((22 + 2/2) + 2) + 2)$
:= $((3 - 3/3)^{3 \times 3 + 3/3 + 3}) - 3^3$
:= $4 + (((4 + 4) \times (4 \times 4^4 - 4)) + 4/4)$
:= $5 + ((5 + 5 + 5) \times (555 - (55/5)))$
:= $6 \times 66 + ((6^{6-6/6}) - (6/6 + 6))$
:= $7 \times 7 + (((7 + 7 + 7)/7)^7 + 77 \times 77)$
:= $(8 \times 8 \times 8 \times (8 + 8)) - (88/8 + 8 + 8)$
:= $(9 + 9)/9 + (9 \times (999 - 9 \times 9) - 99)$
- **8166** := $(1 + 1) \times (((1 + 1)^{1+11}) - (1 + 1 + 11))$
:= $(2^{22/2+2}) - 22 - 2 - 2$
:= $(3 + 3) \times (((33/3)^3 + 3^3) + 3)$
:= $4 + (((4 + 4) \times (4 \times 4^4 - 4)) + (4 + 4)/4)$
:= $5 + ((55 \times ((5 + 5)/5 + 5)) + (5/5 + 5)^5)$
:= $6 \times 66 + ((6^{6-6/6}) - 6)$
:= $77/7 + ((7 \times (7 + 7) \times (77 + 7)) - 77)$
:= $(8 - 88)/8 + ((8 + 8) \times (8 \times 8 \times 8 - 8/8))$
:= $9 + (((9 \times 9 \times 99 + 999/9) + 9) + 9) + 9$
- **8167** := $((1 + 1) \times (((1 + 1)^{1+11}) - (1 + 11))) - 1$
:= $(2^{22/2+2}) - ((22 + 2/2) + 2)$
:= $3^3 + (33/3 \times (3^{3+3} + 33/3))$
:= $4 + (((4 + 4) \times (4 \times 4^4 - 4)) - 4/4 + 4)$
:= $((5 + 5)/5)^{(55+5+5)/5} - 5 \times 5$
:= $6/6 + (((6^{6-6/6}) - 6) + 6 \times 66)$
:= $7777 + (7 \times (7 \times 7 + 7) - ((7 + 7)/7))$
:= $(8 \times 8 \times 8 \times (8 + 8)) - (8/8 + 8 + 8 + 8)$
:= $((9/9 - 9) + 9 \times 9) \times ((999 + 9)/9) - 9$
- **8168** := $(1 + 1) \times (((1 + 1)^{1+11}) - (1 + 11))$
:= $(2^{22/2+2}) - 22 - 2$
:= $(3 \times (33/3 + 3)^3) - ((3/3 + 3)^3)$
:= $4 + (((4 + 4) \times (4 \times 4^4 - 4)) + 4)$
:= $5 + (((5 \times 5 + 5/5) \times (5^5 + 5)/(5 + 5)) + 5 \times 5)$
:= $((6 + 6)/6) \times (((6 + 6)/6)^{6+6}) - (6 + 6)$
:= $7777 + (7 \times (7 \times 7 + 7) - 7/7)$
:= $(8 \times 8 \times 8 \times (8 + 8)) - 8 - 8 - 8$
:= $(9 - 9/9) \times ((9999/9 - 99) + 9)$
- **8169** := $((1 + 1) \times (((1 + 1)^{1+11}) - 11)) - 1$
:= $(2^{22/2+2}) - 22 - 2/2$
:= $3 + ((3 + 3) \times (((33/3)^3 + 3^3) + 3))$
:= $4 + (((4 + 4) \times (4 \times 4^4 - 4)) + 4/4 + 4)$
:= $(5 - 5/5)^5 + ((55 \times (5 \times 5 \times 5 + 5)) - 5)$
:= $66 + (((6 + 6) \times 666) + 666/6)$
:= $7777 + 7 \times (7 \times 7 + 7)$
:= $8/8 + ((8 \times 8 \times 8 \times (8 + 8)) - (8 + 8 + 8))$
:= $9 + ((9/9 - 9 \times 9) \times (9 - 999/9))$
- **8170** := $(1 + 1) \times (((1 + 1)^{1+11}) - 11)$
:= $(2^{22/2+2}) - 22$
:= $(33/3 + 3^3) \times ((3 + 3)^3 - 3/3)$
:= $(4 + 4)/4 \times ((4 + 4)^4 - 44/4)$
:= $(5 \times ((55 \times (5 \times 5 + 5)) - 5)) - 55$
:= $6 \times 66 + ((6^{6-6/6}) - ((6 + 6)/6))$
:= $7/7 + (7777 + 7 \times (7 \times 7 + 7))$
:= $((8 + 8)/8) \times (8 \times 8 \times 8 \times 8 - (88/8))$
:= $9 \times (9 \times 99 + 9 + 9) - 99/9$
- **8171** := $1 + ((1 + 1) \times (((1 + 1)^{1+11}) - 11))$
:= $2/2 + ((2^{22/2+2}) - 22)$
:= $3 + ((3 \times (33/3 + 3)^3) - ((3/3 + 3)^3))$
:= $44/4 + ((4 + 4) \times (4 \times 4^4 - 4))$
:= $(5/5 + 5)^5 + (5 \times (5 \times 5 + 55) - 5)$
:= $6 \times 66 + ((6^{6-6/6}) - 6/6)$
:= $((7 + 7)/7)^{7-7/7+7} - (7 + 7 + 7)$
:= $8 + ((8/8 + 8) \times ((888 + 88/8) + 8))$
:= $9 \times (9 \times 99 + 9 + 9) - 9/9 - 9$
- **8172** := $(1 + 1) \times (1 + (((1 + 1)^{1+11}) - 11))$
:= $2 + ((2^{22/2+2}) - 22)$
:= $(3 \times 3 + 3) \times (3 \times (3 + 3)^3 + 33)$
:= $(4 \times (4^4 \times (4 + 4) - 4)) - 4$
:= $(5 - 5/5) \times (((5 + 5)/5)^{55/5}) - 5$
:= $6 \times (6 \times 6 \times 6 \times 6 + 66)$
:= $(7 \times ((7 + 7) \times (77 + 7) - 7)) - 77/7$
:= $(8 \times 8 \times 8 \times (8 + 8)) - ((88 + 8)/8 + 8)$
:= $9 \times (9 \times 99 + 9 + 9) - 9$
- **8173** := $1 + ((1 + 1) \times (1 + (((1 + 1)^{1+11}) - 11)))$
:= $2 + (((2^{22/2+2}) - 22) + 2/2)$
:= $33/3 \times ((3^{3+3} + 33/3) + 3)$
:= $4/4 + ((4 \times (4^4 \times (4 + 4) - 4)) - 4)$
:= $((5 + 5 + 5) \times (555 - 5 - 5)) - (5 + 5)/5$
:= $6/6 + ((6^{6-6/6}) + 6 \times 66)$
:= $77 + ((77 \times (7 \times (7 + 7) + 7)) + (77/7))$
:= $(8 \times 8 \times 8 \times (8 + 8)) - (88/8 + 8)$
:= $9/9 + (9 \times (9 \times 99 + 9 + 9) - 9)$
- **8174** := $(1 + 1) \times (1 + (1 + (((1 + 1)^{1+11}) - 11)))$
:= $2 + (((2^{22/2+2}) - 22) + 2)$
:= $(3 - 3/3) \times ((3/3 + 3)^{3+3} - 3 \times 3)$
:= $(4 \times (4^4 \times (4 + 4) - 4)) - (4 + 4)/4$
:= $(5 - 5/5)^5 + (55 \times (5 \times 5 \times 5 + 5))$
:= $(6 + 6)/6 + ((6^{6-6/6}) + 6 \times 66)$
:= $((7 + 7)/7)^{7-7/7+7} - (77/7 + 7)$
:= $((8 + 8)/8) \times (8 \times 8 \times 8 \times 8 - (8/8 + 8))$
:= $(9 + 9)/9 + (9 \times (9 \times 99 + 9 + 9) - 9)$
- **8175** := $1 + ((1 + 1) \times (1 + (1 + (((1 + 1)^{1+11}) - 11))))$
:= $(2^{22/2+2}) - (2^{2+2} + 2/2)$
:= $3 + ((3 \times 3 + 3) \times (3 \times (3 + 3)^3 + 33))$
:= $(4 \times (4^4 \times (4 + 4) - 4)) - 4/4$
:= $(5 + 5 + 5) \times (555 - 5 - 5)$
:= $666/6 + (6 + 6) \times (666 + 6)$
:= $(7/7 + 7 + 7) \times ((7 \times 77 - 7/7) + 7)$
:= $(8 \times 8 \times 8 \times (8 + 8)) - (8/8 + 8 + 8)$
:= $999/9 + ((9 - 9/9) \times (999 + 9))$
- **8176** := $(1 + 1) \times (1 + (1 + (1 + (((1 + 1)^{1+11}) - 11))))$
:= $2 \times (2 \times (2^{22/2} - (2 + 2)))$
:= $((3 + 3)^3 + 3)/3 \times ((333 + 3)/3)$
:= $4 \times (4^4 \times (4 + 4) - 4)$
:= $(5/5 + 5)^5 + 5 \times (5 \times 5 + 55)$
:= $(66 + 6/6 + 6) \times (666 + 6)/6$
:= $(7 \times ((7 + 7) \times (77 + 7) - 7)) - 7$
:= $(8 + 8) \times (8 \times 8 \times 8 - 8/8)$
:= $((9/9 - 9) + 9 \times 9) \times ((999 + 9)/9)$
- **8177** := $((1 + 1) \times ((1 + 1) \times ((1 + 1)^{11} - 1))) - 11$
:= $2/2 + (2 \times (2 \times (2^{22/2} - (2 + 2))))$
:= $3 + ((3 - 3/3) \times ((3/3 + 3)^{3+3} - 3 \times 3))$
:= $4/4 + (4 \times (4^4 \times (4 + 4) - 4))$
:= $(55 + 5 + 5)/5 \times ((5^5 - 5)/5 + 5)$
:= $6 + (((6^{6-6/6}) - 6/6) + 6 \times 66)$
:= $7/7 + ((7 \times ((7 + 7) \times (77 + 7) - 7)) - 7)$
:= $8/8 + ((8 + 8) \times (8 \times 8 \times 8 - 8/8))$
:= $((9 - 9 \times 9)/(9 + 9)) + 9 \times (9 \times 99 + 9 + 9)$

$$\begin{aligned}
\blacktriangleright 8178 &:= ((1+1)^{1+1+11}) - 1 - 1 - 1 - 11 \\
&:= 2 + (2 \times (2 \times (2^{22/2} - (2+2)))) \\
&:= 3 \times ((33/3+3)^3 - (3 \times (3+3))) \\
&:= (4+4)/4 + (4 \times (4^4 \times (4+4) - 4)) \\
&:= (5/5+5) \times (5 \times 5 \times 55 - ((55+5)/5)) \\
&:= 6 + ((6^{6-6/6}) + 6 \times 66) \\
&:= (((7+7)/7)^{7-7/7+7}) - (7+7) \\
&:= (8+8)/8 + ((8+8) \times (8 \times 8 \times 8 - 8/8)) \\
&:= 9 \times (9 \times 99 + 9 + 9) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8179 &:= ((1+1)^{1+1+11}) - 1 - 1 - 11 \\
&:= (2^{22/2+2}) - (22/2+2) \\
&:= 3 + (((3+3)^3 + 3)/3) \times ((333+3)/3) \\
&:= 4 + ((4 \times (4^4 \times (4+4) - 4)) - 4/4) \\
&:= 5 + ((55 \times (5 \times 5 \times 5 + 5)) + (5 - 5/5)^5) \\
&:= 6 + (((6^{6-6/6}) + 6 \times 66) + 6/6) \\
&:= 7 + ((7 \times ((7+7) \times (77+7) - 7)) - (77/7)) \\
&:= (8 \times 8 \times 8 \times (8+8)) - (88+8+8)/8 \\
&:= 9 \times (9 \times 99 + 9 + 9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8180 &:= ((1+1)^{1+1+11}) - 1 - 11 \\
&:= 2 \times (2 \times (2^{22/2} - 2) - 2) \\
&:= (3 - 3/3) \times ((3/3+3)^{3+3} - (3+3)) \\
&:= 4 + (4 \times (4^4 \times (4+4) - 4)) \\
&:= 5 + ((5+5+5) \times (555 - 5 - 5)) \\
&:= ((6+6)/6) \times (((6+6)/6)^{6+6}) - 6 \\
&:= 77/7 + (7777 + 7 \times (7 \times 7 + 7)) \\
&:= (8 \times 8 \times 8 \times (8+8)) - (88+8)/8 \\
&:= 9 \times (9 \times 99 + 9 + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8181 &:= ((1+1)^{1+1+11}) - 11 \\
&:= (2^{22/2+2}) - 22/2 \\
&:= 3^3 \times ((3 \times 3 \times 33 + 3) + 3) \\
&:= (4 \times 4^4 \times (4+4)) - 44/4 \\
&:= 5 + (5 \times (5 \times 5 + 55) + (5/5 + 5)^5) \\
&:= (((6+6)/6)^{6/6+6+6}) - 66/6 \\
&:= (((7+7)/7)^{7-7/7+7}) - 77/7 \\
&:= (8 \times 8 \times 8 \times (8+8)) - 88/8 \\
&:= 9 \times (9 \times 99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8182 &:= 1 + (((1+1)^{1+1+11}) - 11) \\
&:= (2 \times 2 \times (2^{22/2} - 2)) - 2 \\
&:= 3/3 + (3^3 \times ((3 \times 3 \times 33 + 3) + 3)) \\
&:= (4+4)/4 \times ((4+4)^4 - (4/4+4)) \\
&:= (5+5)/5 \times ((5 - 5/5)^{5/5+5} - 5) \\
&:= 6 + ((66+6/6+6) \times (666+6)/6) \\
&:= (7 \times ((7+7) \times (77+7) - 7)) - 7/7 \\
&:= (8 - 88)/8 + (8 \times 8 \times 8 \times (8+8)) \\
&:= 9/9 + 9 \times (9 \times 99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8183 &:= 1 + (1 + (((1+1)^{1+1+11}) - 11)) \\
&:= 2 + ((2^{22/2+2}) - 22/2) \\
&:= ((3+3) \times ((33/3)^3 + 33)) - 3/3 \\
&:= (4 \times 4^4 \times (4+4)) - (4/4+4+4) \\
&:= 5 + ((5/5+5) \times (5 \times 5 \times 55 - ((55+5)/5))) \\
&:= 6 \times 66 + ((6^{6-6/6}) + (66/6)) \\
&:= 7 \times ((7+7) \times (77+7) - 7) \\
&:= (8 \times 8 \times 8 \times (8+8)) - (8/8+8) \\
&:= (9+9)/9 + 9 \times (9 \times 99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8184 &:= (1+1) \times ((1+1) \times ((1+1)^{11} - (1+1))) \\
&:= 2 \times 2 \times (2^{22/2} - 2) \\
&:= (3+3) \times ((33/3)^3 + 33) \\
&:= (4+4) \times (4 \times 4^4 - 4/4) \\
&:= (5/5+5) \times (5 \times 5 \times 55 - (55/5)) \\
&:= 6 + (((6^{6-6/6}) + 6 \times 66) + 6) \\
&:= 7/7 + (7 \times ((7+7) \times (77+7) - 7)) \\
&:= (8 \times 8 \times 8 \times (8+8)) - 8 \\
&:= ((9+9+9)/9) + 9 \times (9 \times 99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8185 &:= 1 + ((1+1) \times ((1+1) \times ((1+1)^{11} - (1+1)))) \\
&:= 2/2 + (2 \times 2 \times (2^{22/2} - 2)) \\
&:= 3/3 + ((3+3) \times ((33/3)^3 + 33)) \\
&:= 4 + (4 \times 4^4 \times (4+4)) - 44/4 \\
&:= 5 + (((5+5+5) \times (555 - 5 - 5)) + 5) \\
&:= (((6+6)/6)^{6/6+6+6}) - 6/6 - 6 \\
&:= (((7+7)/7)^{7-7/7+7}) - 7 \\
&:= 8/8 + ((8 \times 8 \times 8 \times (8+8)) - 8) \\
&:= 9 + (((9/9 - 9) + 9 \times 9) \times ((999+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8186 &:= (1+1) \times (((1+1)^{1+1+11}) - (1+1+1)) \\
&:= 2 + (2 \times 2 \times (2^{22/2} - 2)) \\
&:= (3 - 3/3) \times ((3/3+3)^{3+3} - 3) \\
&:= (4+4)/4 \times (((4+4)^4 - 4) + 4/4) \\
&:= 5 + ((5 \times (5 \times 5 + 55) + (5/5 + 5)^5) + 5) \\
&:= (((6+6)/6)^{6/6+6+6}) - 6 \\
&:= 7/7 + (((7+7)/7)^{7-7/7+7}) - 7 \\
&:= (8+8)/8 + ((8 \times 8 \times 8 \times (8+8)) - 8) \\
&:= ((9 \times 9 + 9)/(9+9)) + 9 \times (9 \times 99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8187 &:= ((1+1) \times ((1+1) \times ((1+1)^{11} - 1))) - 1 \\
&:= (2^{22/2+2}) - 2/2 - 2 - 2 \\
&:= 3 + ((3+3) \times ((33/3)^3 + 33)) \\
&:= (4 \times 4^4 \times (4+4)) - 4/4 - 4 \\
&:= ((5+5)/5)^{(55+5+5)/5} - 5 \\
&:= 6/6 + (((6+6)/6)^{6/6+6+6}) - 6 \\
&:= (7+7)/7 + (((7+7)/7)^{7-7/7+7}) - 7 \\
&:= 88/8 + ((8+8) \times (8 \times 8 \times 8 - 8/8)) \\
&:= 9 + (9 \times (9 \times 99 + 9 + 9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8188 &:= (1+1) \times ((1+1) \times ((1+1)^{11} - 1)) \\
&:= 2 \times (2^{2 \times (2+2+2)} - 2) \\
&:= 3 + (((3+3) \times ((33/3)^3 + 33)) + 3/3) \\
&:= (4 \times 4^4 \times (4+4)) - 4 \\
&:= 5/5 + (((5+5)/5)^{(55+5+5)/5} - 5) \\
&:= (6+6)/6 + (((6+6)/6)^{6/6+6+6}) - 6 \\
&:= 7 + (((7+7)/7)^{7-7/7+7}) - (77/7) \\
&:= (8 \times 8 \times 8 \times (8+8)) - 8 \times 8/(8+8) \\
&:= 9 + (9 \times (9 \times 99 + 9 + 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8189 &:= ((1+1)^{1+1+11}) - 1 - 1 - 1 \\
&:= (2^{22/2+2}) - 2/2 - 2 \\
&:= ((3-3/3)^{3 \times 3 + 3/3 + 3}) - 3 \\
&:= 4/4 + (4 \times 4^4 \times (4+4)) - 4 \\
&:= 5 + ((5/5+5) \times (5 \times 5 \times 55 - (55/5))) \\
&:= 6 + (((6^{6-6/6}) + 6 \times 66) + (66/6)) \\
&:= 7 + ((7 \times ((7+7) \times (77+7) - 7)) - 7/7) \\
&:= 8 + ((8 \times 8 \times 8 \times (8+8)) - (88/8)) \\
&:= 9 + (9 \times (9 \times 99 + 9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8190 &:= (1+1) \times (((1+1)^{1+1+11}) - 1) \\
&:= (2^{22/2+2}) - 2 \\
&:= (3^3 + 3) \times ((3 \times 3 \times (3^3 + 3)) + 3) \\
&:= (4+4)/4 \times ((4+4)^4 - 4/4) \\
&:= 5^5 + (5 \times (5 - 5/5)^5 - 55) \\
&:= (6/6 + 6 + 6) \times (666 - 6 \times 6) \\
&:= 7 + (7 \times ((7+7) \times (77+7) - 7)) \\
&:= (8 \times 8 \times 8 \times (8+8)) - (8+8)/8 \\
&:= 9 + 9 \times (9 \times 99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8191 &:= ((1+1)^{1+1+11}) - 1 \\
&:= (2^{22/2+2}) - 2/2 \\
&:= ((3-3/3)^{3 \times 3 + 3/3 + 3}) - 3/3 \\
&:= (4 \times 4^4 \times (4+4)) - 4/4 \\
&:= ((5+5)/5)^{(55+5+5)/5} - 5/5 \\
&:= (((6+6)/6)^{6/6+6+6}) - 6/6 \\
&:= (((7+7)/7)^{7-7/7+7}) - 7/7 \\
&:= (8 \times 8 \times 8 \times (8+8)) - 8/8 \\
&:= 9 + (9 \times (9 \times 99 + 9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8192 &:= (1+1)^{1+1+11} \\
&:= 2^{22/2+2} \\
&:= (3-3/3)^{3 \times 3 + 3/3 + 3} \\
&:= 4 \times 4^4 \times (4+4) \\
&:= ((5+5)/5)^{(55+5+5)/5} \\
&:= ((6+6)/6)^{6/6+6+6} \\
&:= ((7+7)/7)^{7-7/7+7} \\
&:= 8 \times 8 \times 8 \times (8+8) \\
&:= ((9+9)/9)^{(99+9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8193 &:= 1 + ((1 + 1)^{1+1+11}) \\
&:= 2/2 + (2^{22/2+2}) \\
&:= 3 + ((3^3 + 3) \times ((3 \times 3 \times (3^3 + 3)) + 3)) \\
&:= 4/4 + (4 \times 4^4 \times (4 + 4)) \\
&:= 5/5 + ((5 + 5)/5)^{(55+5+5)/5} \\
&:= 6/6 + (((6 + 6)/6)^{6/6+6+6}) \\
&:= 7/7 + (((7 + 7)/7)^{7-7/7+7}) \\
&:= 8/8 + (8 \times 8 \times 8 \times (8 + 8)) \\
&:= 9/9 + (((9 + 9)/9)^{(99+9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8194 &:= 1 + (1 + ((1 + 1)^{1+1+11})) \\
&:= 2 + (2^{22/2+2}) \\
&:= (3 - 3/3) \times ((3/3 + 3)^{3+3} + 3/3) \\
&:= (4 + 4)/4 + (4 \times 4^4 \times (4 + 4)) \\
&:= (5 \times (55 \times (5 \times 5 + 5))) - (55 + 5/5) \\
&:= (6 + 6)/6 + (((6 + 6)/6)^{6/6+6+6}) \\
&:= (7 + 7)/7 + (((7 + 7)/7)^{7-7/7+7}) \\
&:= (8 + 8)/8 + (8 \times 8 \times 8 \times (8 + 8)) \\
&:= (9 + 9)/9 + (((9 + 9)/9)^{(99+9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8195 &:= 1 + (1 + (1 + ((1 + 1)^{1+1+11}))) \\
&:= 2 + (2^{22/2+2} + 2/2) \\
&:= 3 + ((3 - 3/3)^{3 \times 3+3/3+3}) \\
&:= 4 + (4 \times 4^4 \times (4 + 4)) - 4/4 \\
&:= 55 \times (5 \times (5 \times 5 + 5)) - 5/5 \\
&:= (6 \times 6/(6 + 6)) + (((6 + 6)/6)^{6/6+6+6}) \\
&:= (77 + 7)/7 + (7 \times ((7 + 7) \times (77 + 7) - 7)) \\
&:= 88/8 + ((8 \times 8 \times 8 \times (8 + 8)) - 8) \\
&:= 99/9 \times (((9 \times 9 \times 9 - ((9 + 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8196 &:= (1 + 1) \times (1 + (1 + ((1 + 1)^{1+1+11}))) \\
&:= 2 + (2^{22/2+2} + 2) \\
&:= 3 \times ((33/3 + 3)^3 - (3 \times 3 + 3)) \\
&:= 4 + (4 \times 4^4 \times (4 + 4)) \\
&:= 5/5 + (55 \times (5 \times (5 \times 5 + 5)) - 5/5) \\
&:= (6 + 6) \times ((666 + (66/6)) + 6) \\
&:= 777/7 + (77 \times (7 \times (7 + 7) + 7)) \\
&:= 8 \times 8/(8 + 8) + (8 \times 8 \times 8 \times (8 + 8)) \\
&:= 99 + (9 \times (9 \times 99 + 9) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8197 &:= 1 + ((1 + 1) \times (1 + (1 + ((1 + 1)^{1+1+11})))) \\
&:= 2 + (((2^{22/2+2}) + 2/2) + 2) \\
&:= 3 + ((3 - 3/3) \times ((3/3 + 3)^{3+3} + 3/3)) \\
&:= 4 + ((4 \times 4^4 \times (4 + 4)) + 4/4) \\
&:= 5 + ((5 + 5)/5)^{(55+5+5)/5} \\
&:= 6 + (((6 + 6)/6)^{6/6+6+6}) - 6/6 \\
&:= 7 + ((7 \times ((7 + 7) \times (77 + 7) - 7)) + 7) \\
&:= 8 + (((8 \times 8 \times 8 \times (8 + 8)) - (88/8)) + 8) \\
&:= 99 + (9 \times (9 \times 99 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8198 &:= (1 + 1) \times (1 + (1 + (1 + ((1 + 1)^{1+1+11})))) \\
&:= 2 + (((2^{22/2+2}) + 2) + 2) \\
&:= (3 - 3/3) \times ((3/3 + 3)^{3+3} + 3) \\
&:= 4 + ((4 \times 4^4 \times (4 + 4)) + (4 + 4)/4) \\
&:= 5 + (((5 + 5)/5)^{(55+5+5)/5} + 5/5) \\
&:= 6 + (((6 + 6)/6)^{6/6+6+6}) \\
&:= 7 + (((7 + 7)/7)^{7-7/7+7}) - 7/7 \\
&:= 8 + ((8 \times 8 \times 8 \times (8 + 8)) - ((8 + 8)/8)) \\
&:= 99 + (9 \times (9 \times 99 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8199 &:= 1 + (1 + 1) \times (1 + (1 + (1 + ((1 + 1)^{1+1+11})))) \\
&:= (2 \times (2 \times (2^{22/2} + 2))) - 2/2 \\
&:= (3 \times (33/3 + 3)^3) - 33 \\
&:= 4 + ((4 \times 4^4 \times (4 + 4)) - 4/4) + 4 \\
&:= (5 \times ((55 \times (5 \times 5 + 5)) - (5 + 5))) - 5/5 \\
&:= 6 + (((6 + 6)/6)^{6/6+6+6}) + 6/6 \\
&:= 7 + (((7 + 7)/7)^{7-7/7+7}) \\
&:= 8 + ((8 \times 8 \times 8 \times (8 + 8)) - 8/8) \\
&:= 99 + 9 \times (9 \times 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8200 &:= (1 + 1) \times ((1 + 1) \times (1 + (1 + (1 + 1)^{11}))) \\
&:= 2 \times (2 \times (2^{22/2} + 2)) \\
&:= 3/3 + ((3 \times (33/3 + 3)^3) - 33) \\
&:= 4 + ((4 \times 4^4 \times (4 + 4)) + 4) \\
&:= 5 \times ((55 \times (5 \times 5 + 5)) - (5 + 5)) \\
&:= 6 + (((6 + 6)/6)^{6/6+6+6}) + ((6 + 6)/6) \\
&:= 7 + (((7 + 7)/7)^{7-7/7+7}) + 7/7 \\
&:= 8 + (8 \times 8 \times 8 \times (8 + 8)) \\
&:= (9/9 + 9 \times 9) \times (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8201 &:= 11 + ((1 + 1) \times (((1 + 1)^{1+1+11}) - 1)) \\
&:= 2/2 + (2 \times (2 \times (2^{22/2} + 2))) \\
&:= 3 + ((3 - 3/3) \times ((3/3 + 3)^{3+3} + 3)) \\
&:= 4 + (((4 \times 4^4 \times (4 + 4)) + 4/4) + 4) \\
&:= 5/5 + (5 \times ((55 \times (5 \times 5 + 5)) - (5 + 5))) \\
&:= (6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) - 6/6 - 6 \\
&:= 7 + ((7 \times ((7 + 7) \times (77 + 7) - 7)) + (77/7)) \\
&:= 8 + ((8 \times 8 \times 8 \times (8 + 8)) + 8/8) \\
&:= 9 + (((9 + 9)/9)^{(99+9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8202 &:= 11 + (((1 + 1)^{1+1+11}) - 1) \\
&:= 2 + (2 \times (2 \times (2^{22/2} + 2))) \\
&:= 3 + ((3 \times (33/3 + 3)^3) - 33) \\
&:= (4 + 4)/4 \times (((4 + 4)^4 + 4/4) + 4) \\
&:= 5 + (((5 + 5)/5)^{(55+5+5)/5} + 5) \\
&:= (6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) - 6 \\
&:= ((77 - 7)/7) + (((7 + 7)/7)^{7-7/7+7}) \\
&:= 8 + ((8 \times 8 \times 8 \times (8 + 8)) + ((8 + 8)/8)) \\
&:= 999/9 + (9 \times (9 \times 99 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8203 &:= 11 + ((1 + 1)^{1+1+11}) \\
&:= 22/2 + (2^{22/2+2}) \\
&:= 3 + (((3 \times (33/3 + 3)^3) - 33) + 3/3) \\
&:= 44/4 + (4 \times 4^4 \times (4 + 4)) \\
&:= (55 + 5 + 5)/5 \times ((5^5 + 5)/5 + 5) \\
&:= 6/6 + ((6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) - 6) \\
&:= 77/7 + (((7 + 7)/7)^{7-7/7+7}) \\
&:= 88/8 + (8 \times 8 \times 8 \times (8 + 8)) \\
&:= 99/9 + (((9 + 9)/9)^{(99+9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8204 &:= 1 + (11 + ((1 + 1)^{1+1+11})) \\
&:= 2 \times ((2 \times (2^{22/2} + 2)) + 2) \\
&:= (3 - 3/3) \times (((3/3 + 3)^{3+3} + 3) + 3) \\
&:= (4 \times (4^4 \times (4 + 4) + 4)) - 4 \\
&:= 5 + ((5 \times ((55 \times (5 \times 5 + 5)) - (5 + 5))) - 5/5) \\
&:= 6 + (((6 + 6)/6)^{6/6+6+6}) + 6 \\
&:= (7 + 7) \times (7 \times (77 + 7) - ((7 + 7)/7)) \\
&:= ((88 + 8)/8) + (8 \times 8 \times 8 \times (8 + 8)) \\
&:= 9 + ((99/9) \times (((9 \times 9 \times 9 - ((9 + 9)/9)) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8205 &:= 1 + (1 + (11 + ((1 + 1)^{1+1+11}))) \\
&:= 2 + ((2^{22/2+2}) + 22/2) \\
&:= 3 \times ((33/3 + 3)^3 - 3 \times 3) \\
&:= 4/4 + ((4 \times (4^4 \times (4 + 4) + 4)) - 4) \\
&:= 5 + (5 \times ((55 \times (5 \times 5 + 5)) - (5 + 5))) \\
&:= 6 + (((6 + 6)/6)^{6/6+6+6}) + 6/6 + 6 \\
&:= (7/7 + 7 + 7) \times ((7 \times 77 + 7/7) + 7) \\
&:= (8 \times 8 \times 8 \times (8 + 8)) + (88 + 8 + 8)/8 \\
&:= (99 \times (((9 + 9)/9) + 9 \times 9)) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8206 &:= 1 + (1 + (1 + (11 + ((1 + 1)^{1+1+11})))) \\
&:= 2 + (2 \times ((2 \times (2^{22/2} + 2)) + 2)) \\
&:= 3/3 + (3 \times ((33/3 + 3)^3 - 3 \times 3)) \\
&:= (4 \times (4^4 \times (4 + 4) + 4)) - (4 + 4)/4 \\
&:= 555 + ((5/5 + 5)^5 - 5 \times 5 \times 5) \\
&:= (6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) - (6 + 6)/6 \\
&:= 7 + (((7 + 7)/7)^{7-7/7+7}) + 7 \\
&:= 8 + (((8 \times 8 \times 8 \times (8 + 8)) - ((8 + 8)/8)) + 8) \\
&:= 99/9 \times (((9 \times 9 \times 9 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8207 &:= 11 + ((1 + 1) \times (1 + (1 + ((1 + 1)^{1+1+11})))) \\
&:= 2 + (((2^{22/2+2}) + 22/2) + 2) \\
&:= ((3^3 - 3) \times (333 + 3 \times 3)) - 3/3 \\
&:= (4 \times (4^4 \times (4 + 4) + 4)) - 4/4 \\
&:= 5 + (((5 + 5)/5)^{(55+5+5)/5} + 5) + 5 \\
&:= (6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) - 6/6 \\
&:= 7 + (((7 + 7)/7)^{7-7/7+7}) + 7/7 + 7 \\
&:= 8 + (((8 \times 8 \times 8 \times (8 + 8)) - 8/8) + 8) \\
&:= 9 + ((9 \times (9 \times 99 + 9) - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8208 &:= 1 + (11 + ((1 + 1) \times (1 + (1 + ((1 + 1)^{1+11})))))) \\
&:= 2 \times (2 \times ((2^{22/2} + 2) + 2)) \\
&:= (3^3 - 3) \times (333 + 3 \times 3) \\
&:= 4 \times (4^4 \times (4 + 4) + 4) \\
&:= 5 + ((55 + 5 + 5) / 5 \times ((5^5 + 5) / 5 + 5)) \\
&:= 6 \times 6 \times (6 \times 6 \times 6 + 6 + 6) \\
&:= (7 - 7/7) \times ((77/7 + 7) \times (77 - 7/7)) \\
&:= 8 + ((8 \times 8 \times 8 \times (8 + 8)) + 8) \\
&:= 9 + (9 \times (9 \times 99 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8209 &:= 11 + ((1 + 1) \times (1 + (1 + (1 + ((1 + 1)^{1+11})))))) \\
&:= 2/2 + ((2^{22/2+2}) + 2^{2+2}) \\
&:= 3/3 + ((3^3 - 3) \times (333 + 3 \times 3)) \\
&:= 4/4 + (4 \times (4^4 \times (4 + 4) + 4)) \\
&:= 5^5 + ((5 \times ((5 - 5/5)^5 - 5)) - (55/5)) \\
&:= 6/6 + (6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) \\
&:= (((7 + 7)/7 + 77) \times (777/7 - 7)) - 7 \\
&:= 8 + (((8 \times 8 \times 8 \times (8 + 8)) + 8/8) + 8) \\
&:= 9 + ((9/9 + 9 \times 9) \times (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8210 &:= (1 + 1) \times (11 + ((1 + 1) \times ((1 + 1)^{11} - 1))) \\
&:= 2 + ((2^{22/2+2}) + 2^{2+2}) \\
&:= (3 - 3/3) \times ((3/3 + 3)^{3+3} + 3 \times 3) \\
&:= (4 + 4)/4 + (4 \times (4^4 \times (4 + 4) + 4)) \\
&:= 5 + ((5 \times ((55 \times (5 \times 5 + 5)) - (5 + 5))) + 5) \\
&:= 6 + (((((6 + 6)/6)^{6/6+6+6}) + 6) + 6) \\
&:= 7 + (((7 + 7)/7)^{7-7/7+7} + (77/7)) \\
&:= 8 + (((8 \times 8 \times 8 \times (8 + 8)) + ((8 + 8)/8)) + 8) \\
&:= 9 + (((9 + 9)/9)^{(99+9+9)/9} + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8211 &:= ((1 + 1) \times (11 + (((1 + 1)^{1+11}) - 1))) - 1 \\
&:= 22 + ((2^{22/2+2}) - (2/2 + 2)) \\
&:= 3 + ((3^3 - 3) \times (333 + 3 \times 3)) \\
&:= 4 + ((4 \times (4^4 \times (4 + 4) + 4)) - 4/4) \\
&:= 5 + (((5/5 + 5)^5 - 5 \times 5 \times 5) + 555) \\
&:= (6 \times 6 / (6 + 6)) + (6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) \\
&:= 77 + ((7 + 7) \times (7 \times (77 + 7) - 7)) \\
&:= 8 + ((8 \times 8 \times 8 \times (8 + 8)) + (88/8)) \\
&:= 999/9 + 9 \times (9 \times 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8212 &:= (1 + 1) \times (11 + (((1 + 1)^{1+11}) - 1)) \\
&:= 22 + ((2^{22/2+2}) - 2) \\
&:= (3 \times ((33/3 + 3)^3 - 3)) - 33/3 \\
&:= 4 + (4 \times (4^4 \times (4 + 4) + 4)) \\
&:= (5 - 5/5) \times (((5 + 5)/5)^{55/5} + 5) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) - ((6 + 6)/6)) \\
&:= 7 + ((7/7 + 7 + 7) \times ((7 \times 77 + 7/7) + 7)) \\
&:= 8 + ((8 \times 8 \times 8 \times (8 + 8)) + ((88 + 8)/8)) \\
&:= 9 \times (9 \times 99 + 9) + ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8213 &:= ((1 + 1) \times (11 + ((1 + 1)^{1+11}))) - 1 \\
&:= 22 + ((2^{22/2+2}) - 2/2) \\
&:= (3 + 3)^3 + (((33/3 + 3 \times 3)^3) - 3) \\
&:= 4 + ((4 \times (4^4 \times (4 + 4) + 4)) + 4/4) \\
&:= 5^5 + (5 \times (5 - 5/5)^5 - ((5 + 5)/5)^5) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) - 6/6) \\
&:= 7 + (((((7 + 7)/7)^{7-7/7+7} + 7) + 7)) \\
&:= 8 + ((8 \times 8 \times 8 \times (8 + 8)) + (88 + 8 + 8)/8) \\
&:= 9 \times (9 \times 99 + 9) + ((999 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8214 &:= (1 + 1) \times (11 + ((1 + 1)^{1+11})) \\
&:= 22 + (2^{22/2+2}) \\
&:= 3 \times ((33/3 + 3)^3 - (3 + 3)) \\
&:= (4 + 4)/4 \times (44/4 + (4 + 4)^4) \\
&:= (5/5 + 5) \times (5 \times 5 \times 55 - (5/5 + 5)) \\
&:= 6 + (6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) \\
&:= 777/7 \times (77 - ((7 + 7 + 7)/7)) \\
&:= ((8 + 8)/8) \times (8 \times 8 \times 8 + 88/8) \\
&:= 999/9 \times (((9 + 9)/9) - 9) + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8215 &:= 1 + ((1 + 1) \times (11 + ((1 + 1)^{1+11}))) \\
&:= 22 + ((2^{22/2+2}) + 2/2) \\
&:= 3/3 + (3 \times ((33/3 + 3)^3 - (3 + 3))) \\
&:= 4 + (((4 \times (4^4 \times (4 + 4) + 4)) - 4/4) + 4) \\
&:= 5^5 + ((5 \times ((5 - 5/5)^5 - 5)) - 5) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) + 6/6) \\
&:= ((7 - 77)/7) + ((7 \times (7 + 7) \times (77 + 7)) - 7) \\
&:= 8 \times 888 + 8888/8 \\
&:= (99 \times (((9 + 9)/9) + 9 \times 9)) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8216 &:= (1 + 1) \times (1 + (11 + ((1 + 1)^{1+11}))) \\
&:= 2 + ((2^{22/2+2}) + 22) \\
&:= (3 + 3)^3 + ((33/3 + 3 \times 3)^3) \\
&:= 4 + ((4 \times (4^4 \times (4 + 4) + 4)) + 4) \\
&:= 5^5 + (((5 \times ((5 - 5/5)^5 - 5)) - 5) + 5/5) \\
&:= ((6 + 6)/6) \times (((((6 + 6)/6)^{6/6+6}) + 6) + 6) \\
&:= ((7 + 7)/7 + 77) \times (777/7 - 7) \\
&:= 8 + (((8 \times 8 \times 8 \times (8 + 8)) + 8) + 8) \\
&:= (99 \times (((9 + 9)/9) + 9 \times 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8217 &:= 1 + ((1 + 1) \times (1 + (11 + ((1 + 1)^{1+11})))) \\
&:= 2 + (((2^{22/2+2}) + 2/2) + 22) \\
&:= 33 \times ((3 + 3)^3 + 33) \\
&:= 4 + (((4 \times (4^4 \times (4 + 4) + 4)) + 4/4) + 4) \\
&:= 5 \times 5 + ((5 + 5)/5)^{(55+5+5)/5} \\
&:= 66/6 \times (((((6 \times 6 / (6 + 6))^6) + 6) + 6) + 6) \\
&:= (77 - 7/7 + 7) \times (7 \times (7 + 7) + 7/7) \\
&:= 8 + (((8 \times 8 \times 8 \times (8 + 8)) + 8/8) + 8) + 8 \\
&:= 99 \times (((9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8218 &:= (1 + 1) \times (1 + (1 + (11 + ((1 + 1)^{1+11})))) \\
&:= 2 + (((2^{22/2+2}) + 22) + 2) \\
&:= 3/3 + (33 \times ((3 + 3)^3 + 33)) \\
&:= 4 + ((4 + 4)/4 \times (44/4 + (4 + 4)^4)) \\
&:= (5 \times (55 \times (5 \times 5 + 5))) - ((5 + 5)/5)^5 \\
&:= ((66 - 6)/6) + (6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) \\
&:= (7 + 7) \times (7 \times (77 + 7) - 7/7) \\
&:= 8 + (((8 \times 8 \times 8 \times (8 + 8)) + ((8 + 8)/8)) + 8) + 8 \\
&:= 9/9 + (99 \times (((9 + 9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8219 &:= 1 + ((1 + 1) \times (1 + (1 + (11 + ((1 + 1)^{1+11})))))) \\
&:= 2 + (((2^{22/2+2}) + 2/2) + 22) + 2) \\
&:= 3 + (((33/3 + 3 \times 3)^3) + (3 + 3)^3) \\
&:= 44/4 + (4 \times (4^4 \times (4 + 4) + 4)) \\
&:= 5^5 + ((5 \times ((5 - 5/5)^5 - 5)) - 5/5) \\
&:= 66/6 + (6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) \\
&:= 7/7 + ((7 + 7) \times (7 \times (77 + 7) - 7/7)) \\
&:= 8 + (((8 \times 8 \times 8 \times (8 + 8)) + (88/8)) + 8) \\
&:= (9 + 9)/9 + (99 \times (((9 + 9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8220 &:= (1 + 1) \times (1 + (1 + (1 + (11 + ((1 + 1)^{1+11})))))) \\
&:= 2 + (((2^{22/2+2}) + 22) + 2) + 2) \\
&:= 3 + (33 \times ((3 + 3)^3 + 33)) \\
&:= ((4 + 4) \times (4 \times 4^4 + 4)) - 4 \\
&:= 5^5 + (5 \times ((5 - 5/5)^5 - 5)) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) + 6) \\
&:= (77 + 7)/7 \times ((7 \times 7 \times (7 + 7)) - 7/7) \\
&:= 8 + (((8 \times 8 \times 8 \times (8 + 8)) + ((88 + 8)/8)) + 8) \\
&:= 9 + (9 \times (9 \times 99 + 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8221 &:= 1 + ((1 + 1) \times (1 + (1 + (1 + (11 + ((1 + 1)^{1+11})))))) \\
&:= (22/2)^2 + ((2 \times 2 \times 22 + 2)^2) \\
&:= (3 \times (33/3 + 3)^3) - 33/3 \\
&:= 4/4 + (((4 + 4) \times (4 \times 4^4 + 4)) - 4) \\
&:= 5^5 + ((5 \times ((5 - 5/5)^5 - 5)) + 5/5) \\
&:= 6 + (((6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) + 6/6) + 6) \\
&:= (7 \times (7 + 7) \times (77 + 7)) - 77/7 \\
&:= ((8 + 8) \times (8 \times 8 \times 8 + 8)) - (88/8 + 88) \\
&:= 9 + (9 \times (9 \times 99 + 9) + (999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8222 &:= (1 + 1) \times (11 + ((1 + 1) \times (1 + (1 + (1 + 1)^{1+11})))) \\
&:= 22 + (2 \times (2 \times (2^{22/2} + 2))) \\
&:= (3 \times ((33/3 + 3)^3 - 3)) - 3/3 \\
&:= ((4 + 4) \times (4 \times 4^4 + 4)) - (4 + 4)/4 \\
&:= 5 + (((5 + 5)/5)^{(55+5+5)/5} + 5 \times 5) \\
&:= 6 \times 6 + (((6 + 6)/6)^{6/6+6+6}) - 6) \\
&:= ((7 - 77)/7) + (7 \times (7 + 7) \times (77 + 7)) \\
&:= 8 + ((8888 - 8)/8 + 8 \times 888) \\
&:= 9 \times (9 \times 99 + 9) + (999 + 99)/9
\end{aligned}$$

- 8223 := $11 + ((1 + 1) \times (11 + (((1 + 1)^{1+11}) - 1)))$
:= $2 + (((2 \times 2 \times 22 + 2)^2) + (22/2)^2)$
:= $3 \times ((33/3 + 3)^3 - 3)$
:= $((4 + 4) \times (4 \times 4^4 + 4)) - 4/4$
:= $(5 \times ((55 \times (5 \times 5 + 5)) - 5)) - (5 + 5)/5$
:= $6 + ((66/6) \times (((6 \times 6/(6 + 6))^6) + 6) + 6 + 6)$
:= $(7 \times (7 + 7) \times (77 + 7)) - ((7 + 7)/7 + 7)$
:= $8 + (8888/8 + 8 \times 888)$
:= $9 + (999/9 \times (((9 + 9)/9) - 9) + 9 \times 9)$
- 8224 := $(111^{1+1}) - (1 + ((1 + 1)^{1+11}))$
:= $2 \times (2^{2 \times (2+2+2)} + 2^{2+2})$
:= $3/3 + (3 \times ((33/3 + 3)^3 - 3))$
:= $(4 + 4) \times (4 \times 4^4 + 4)$
:= $(5 \times ((55 \times (5 \times 5 + 5)) - 5)) - 5/5$
:= $(6^{6-6/6}) + ((6/6 + 6) \times ((6 + 6)/6)^6)$
:= $(7 \times (7 + 7) \times (77 + 7)) - (7/7 + 7)$
:= $(8 + 8) \times (8 \times 8 \times 8 + (8 + 8)/8)$
:= $9 + ((99 \times (((9 + 9)/9) + 9 \times 9)) - ((9 + 9)/9))$
- 8225 := $(111^{1+1}) - ((1 + 1)^{1+11})$
:= $22 + ((2^{22/2+2}) + 22/2)$
:= $3 + (3 \times ((33/3 + 3)^3 - 3)) - 3/3$
:= $4/4 + ((4 + 4) \times (4 \times 4^4 + 4))$
:= $5 \times ((55 \times (5 \times 5 + 5)) - 5)$
:= $6 + ((6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) + (66/6))$
:= $(7 \times (7 + 7) \times (77 + 7)) - 7$
:= $8/8 + ((8 + 8) \times (8 \times 8 \times 8 + (8 + 8)/8))$
:= $9 + ((99 \times (((9 + 9)/9) + 9 \times 9)) - 9/9)$
- 8226 := $1 + ((111^{1+1}) - ((1 + 1)^{1+11}))$
:= $22^2 + ((2 \times 2 \times 22)^2 - 2)$
:= $3 + (3 \times ((33/3 + 3)^3 - 3))$
:= $(4 + 4)/4 + ((4 + 4) \times (4 \times 4^4 + 4))$
:= $5/5 + (5 \times ((55 \times (5 \times 5 + 5)) - 5))$
:= $666 + (6 \times (6 \times (6 \times 6 \times 6 - 6)))$
:= $7/7 + ((7 \times (7 + 7) \times (77 + 7)) - 7)$
:= $(8 + 8)/8 + ((8 + 8) \times (8 \times 8 \times 8 + (8 + 8)/8))$
:= $9 + (99 \times (((9 + 9)/9) + 9 \times 9))$
- 8227 := $1 + (1 + ((111^{1+1}) - ((1 + 1)^{1+11})))$
:= $22^2 + ((2 \times 2 \times 22)^2 - 2/2)$
:= $3 + ((3 \times ((33/3 + 3)^3 - 3)) + 3/3)$
:= $4 + (((4 + 4) \times (4 \times 4^4 + 4)) - 4/4)$
:= $(5 + 5)/5 + (5 \times ((55 \times (5 \times 5 + 5)) - 5))$
:= $6 \times 6 + (((6 + 6)/6)^{6/6+6+6}) - 6/6$
:= $(7 + 7)/7 + ((7 \times (7 + 7) \times (77 + 7)) - 7)$
:= $8 + (((8 \times 8 \times 8 + (8 + 8)) + (88/8)) + 8) + 8$
:= $9 + ((99 \times (((9 + 9)/9) + 9 \times 9)) + 9/9)$
- 8228 := $(1 + 1) \times ((1 + 1) \times (11 + ((1 + 1)^{11} - (1 + 1))))$
:= $22^2 + (2 \times 2 \times 22)^2$
:= $(3/3 + 33) \times ((3^{3+3} - 3)/3)$
:= $4 + ((4 + 4) \times (4 \times 4^4 + 4))$
:= $5 + ((5 \times ((55 \times (5 \times 5 + 5)) - 5)) - ((5 + 5)/5))$
:= $6 \times 6 + (((6 + 6)/6)^{6/6+6+6})$
:= $7 + ((7 \times (7 + 7) \times (77 + 7)) - (77/7))$
:= $88 \times 88 + 88 \times 88/(8 + 8)$
:= $99/9 + (99 \times (((9 + 9)/9) + 9 \times 9))$
- 8229 := $(1 + 1 + 1) \times ((1 + 1 + 1 + 11)^{1+1+1} - 1)$
:= $2/2 + ((2 \times 2 \times 22)^2 + 22^2)$
:= $(3 \times (33/3 + 3)^3) - 3$
:= $4 + (((4 + 4) \times (4 \times 4^4 + 4)) + 4/4)$
:= $5 + ((5 \times ((55 \times (5 \times 5 + 5)) - 5)) - 5/5)$
:= $6 \times 6 + (((6 + 6)/6)^{6/6+6+6}) + 6/6$
:= $(7 \times (7 + 7) \times (77 + 7)) - (7 + 7 + 7)/7$
:= $(8 \times 8 \times 8 + (8 + 8)) + 888/(8 + 8 + 8)$
:= $99 + (9 \times 9 \times 99 + 999/9)$
- 8230 := $(1 + 1) \times (((1 + 1) \times (11 + ((1 + 1)^{11} - 1))) - 1)$
:= $2 + ((2 \times 2 \times 22)^2 + 22^2)$
:= $3/3 + ((3 \times (33/3 + 3)^3) - 3)$
:= $4 + (((4 + 4) \times (4 \times 4^4 + 4)) + (4 + 4)/4)$
:= $5 + (5 \times ((55 \times (5 \times 5 + 5)) - 5))$
:= $6 + (((6/6 + 6) \times ((6 + 6)/6)^6) + (6^{6-6/6}))$
:= $(7 \times (7 + 7) \times (77 + 7)) - (7 + 7)/7$
:= $((8 + 8)/8) \times ((8 \times 8 \times 8 + (88/8)) + 8)$
:= $99 + (((999 + 9)/9) + 9 \times 9 \times 99)$
- 8231 := $((1 + 1) \times ((1 + 1) \times (11 + ((1 + 1)^{11} - 1)))) - 1$
:= $2 + (((2 \times 2 \times 22)^2 + 22^2) + 2/2)$
:= $(3 \times (33/3 + 3)^3) - 3/3$
:= $4 + (((4 + 4) \times (4 \times 4^4 + 4)) - 4/4 + 4)$
:= $5 + ((5 \times ((55 \times (5 \times 5 + 5)) - 5)) + 5/5)$
:= $(6^{6-6/6}) + ((6/6 + 6) \times (66 - 6/6))$
:= $(7 \times (7 + 7) \times (77 + 7)) - 7/7$
:= $((8 + 8) \times (8 \times 8 \times 8 + 8)) - (8/8 + 88)$
:= $((9 - 9/9) \times (9999/9 - 9 \times 9)) - 9$
- 8232 := $(1 + 1) \times ((1 + 1) \times (11 + ((1 + 1)^{11} - 1)))$
:= $2 \times ((2^{2 \times (2+2+2)} - 2) + 22)$
:= $3 \times (33/3 + 3)^3$
:= $4 + (((4 + 4) \times (4 \times 4^4 + 4)) + 4)$
:= $((5 - (5 + 5)/5) + 5) \times ((5 - 5/5)^5 + 5)$
:= $6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6))) + 666)$
:= $7 \times (7 + 7) \times (77 + 7)$
:= $((8 + 8) \times (8 \times 8 \times 8 + 8)) - 88$
:= $(99 - 9/9) \times (((9 + 9 + 9)/9) + 9 \times 9)$
- 8233 := $1 + ((1 + 1) \times ((1 + 1) \times (11 + ((1 + 1)^{11} - 1))))$
:= $2/2 + ((2^{22/2+2}) + 2 \times (22 - 2))$
:= $3/3 + (3 \times (33/3 + 3)^3)$
:= $4 + (((4 + 4) \times (4 \times 4^4 + 4)) + 4/4 + 4)$
:= $5^5 + (5 \times (5 - 5/5)^5 - ((55 + 5)/5))$
:= $(6 \times (6 \times (6 \times 6 \times 6 + 6 + 6) + 6)) - 66/6$
:= $7/7 + (7 \times (7 + 7) \times (77 + 7))$
:= $8/8 + (((8 + 8) \times (8 \times 8 \times 8 + 8)) - 88)$
:= $99 + ((99 - 9/9) \times (((9 + 9)/9) + 9 \times 9))$
- 8234 := $(1 + 1) \times (((1 + 1) \times (11 + (1 + 1)^{11})) - 1)$
:= $2 \times 22 + ((2^{22/2+2}) - 2)$
:= $3 + ((3 \times (33/3 + 3)^3) - 3/3)$
:= $44 + ((4 + 4)/4 \times ((4 + 4)^4 - 4/4))$
:= $5^5 + (5 \times (5 - 5/5)^5 - (55/5))$
:= $6 + (((6 + 6)/6)^{6/6+6+6}) + 6 \times 6$
:= $(7 + 7)/7 + (7 \times (7 + 7) \times (77 + 7))$
:= $(8 + 8)/8 + (((8 + 8) \times (8 \times 8 \times 8 + 8)) - 88)$
:= $9 + (((99 \times (((9 + 9)/9) + 9 \times 9)) - 9/9) + 9)$
- 8235 := $((1 + 1) \times ((1 + 1) \times (11 + (1 + 1)^{11}))) - 1$
:= $2 \times 22 + ((2^{22/2+2}) - 2/2)$
:= $3 + (3 \times (33/3 + 3)^3)$
:= $44 + (4 \times 4^4 \times (4 + 4)) - 4/4$
:= $5 + ((5 \times ((55 \times (5 \times 5 + 5)) - 5)) + 5)$
:= $6 \times 6 \times 6 + (((66/6) \times ((6 \times 6/(6 + 6))^6))$
:= $(7 + 7 + 7)/7 + (7 \times (7 + 7) \times (77 + 7))$
:= $88/8 + ((8 + 8) \times (8 \times 8 \times 8 + (8 + 8)/8))$
:= $9 + ((99 \times (((9 + 9)/9) + 9 \times 9)) + 9)$
- 8236 := $(1 + 1) \times ((1 + 1) \times (11 + (1 + 1)^{11}))$
:= $2 \times (2^{2 \times (2+2+2)} + 22)$
:= $3 + ((3 \times (33/3 + 3)^3) + 3/3)$
:= $44 + (4 \times 4^4 \times (4 + 4))$
:= $55/5 + (5 \times ((55 \times (5 \times 5 + 5)) - 5))$
:= $6 \times 66 + ((6^{6-6/6}) + ((6 + 6)/6)^6)$
:= $77/7 + ((7 \times (7 + 7) \times (77 + 7)) - 7)$
:= $(8 \times 8 \times 8 + (8 + 8)) + (88/(8 + 8)/8)$
:= $9 \times 9 \times (99 + 9) - ((9 + 9)/9)^9$
- 8237 := $1 + ((1 + 1) \times ((1 + 1) \times (11 + (1 + 1)^{11})))$
:= $2/2 + ((2^{22/2+2}) + 2 \times 22)$
:= $3 + (((3 \times (33/3 + 3)^3) - 3/3) + 3)$
:= $44 + ((4 \times 4^4 \times (4 + 4)) + 4/4)$
:= $5 + (((5 - (5 + 5)/5) + 5) \times ((5 - 5/5)^5 + 5))$
:= $66 + (((6^{6-6/6}) - 6/6) + 6 \times 66)$
:= $7 + ((7 \times (7 + 7) \times (77 + 7)) - ((7 + 7)/7))$
:= $(8 \times (8 \times 8 \times (8 + 8) + 8)) - (88/8 + 8)$
:= $9 + ((99 \times (((9 + 9)/9) + 9 \times 9)) + (99/9))$

- 8238 := $(1+1) \times (1 + ((1+1) \times (11 + (1+1)^{11})))$
:= $2 + (2^{22/2+2}) + 2 \times 22$
:= $3 + ((3 \times (33/3 + 3)^3) + 3)$
:= $44 + ((4 \times 4^4 \times (4+4)) + (4+4)/4)$
:= $(5/5 + 5) \times (5 \times 5 \times 55 - ((5+5)/5))$
:= $66 + ((6^{6-6/6}) + 6 \times 66)$
:= $7 + ((7 \times (7+7) \times (77+7)) - 7/7)$
:= $(8-88)/8 + ((8 \times (8 \times 8 \times (8+8) + 8)) - 8)$
:= $9 + ((9 \times 9 \times 99 + 999/9) + 99)$
- 8239 := $1 + ((1+1) \times (1 + ((1+1) \times (11 + (1+1)^{11}))))$
:= $2 + (((2^{22/2+2}) + 2 \times 22) + 2/2)$
:= $3 + (((3 \times (33/3 + 3)^3) + 3/3) + 3)$
:= $4 + ((4 \times 4^4 \times (4+4)) - 4/4) + 44$
:= $(5 \times (55 \times (5 \times 5 + 5))) - 55/5$
:= $(6/6 + 6) \times ((6666/6) + 66)$
:= $7 + (7 \times (7+7) \times (77+7))$
:= $888/8 + (8 \times (8 \times 8 \times (8+8) - 8))$
:= $99/9 \times ((9 \times 9 \times 9 + (99/9)) + 9)$
- 8240 := $(1+1) \times ((1+1) \times (1 + (11 + (1+1)^{11})))$
:= $2 \times (2^{2 \times (2+2+2)} + 22) + 2$
:= $(3 \times ((33/3 + 3)^3 + 3)) - 3/3$
:= $4 + ((4 \times 4^4 \times (4+4)) + 44)$
:= $5^5 + (5 \times (5 - 5/5)^5 - 5)$
:= $6 + (((((6+6)/6)^{6/6+6+6}) + 6 \times 6) + 6)$
:= $7 + ((7 \times (7+7) \times (77+7)) + 7/7)$
:= $(88-8) \times (888/8 - 8)$
:= $(9-9/9) \times (9999/9 - 9 \times 9)$
- 8241 := $1 + ((1+1) \times ((1+1) \times (1 + (11 + (1+1)^{11}))))$
:= $2/2 + ((2^{22/2+2}) + 2 \times (22+2))$
:= $3 \times ((33/3 + 3)^3 + 3)$
:= $4 + (((4 \times 4^4 \times (4+4)) + 44) + 4/4)$
:= $5^5 + ((5 \times (5 - 5/5)^5 - 5) + 5/5)$
:= $(66+6/6) \times ((6666/6 + 6) + 6)$
:= $7 \times 7 + (((7+7)/7)^{7-7/7+7})$
:= $8/8 + ((88-8) \times (888/8 - 8))$
:= $9 + ((99-9/9) \times (((9+9+9)/9) + 9 \times 9))$
- 8242 := $(1+1) \times (1 + ((1+1) \times (1 + (11 + (1+1)^{11}))))$
:= $((2 \times (2 \times 22 + 2))^2) - 222$
:= $3/3 + (3 \times ((33/3 + 3)^3 + 3))$
:= $4 + (((4 \times 4^4 \times (4+4)) + (4+4)/4) + 44)$
:= $(5 \times 5 + 5/5) \times ((5^5 - 5)/(5+5) + 5)$
:= $(6 \times (6 \times (6 \times 6 \times 6 + 6 + 6) + 6)) - (6+6)/6$
:= $((77-7)/7) + (7 \times (7+7) \times (77+7))$
:= $(8+8)/8 + ((88-8) \times (888/8 - 8))$
:= $9 \times (999 - 9 \times 9) - (99/9 + 9)$
- 8243 := $1 + ((1+1) \times (1 + ((1+1) \times (1 + (11 + (1+1)^{11}))))$
:= $2/2 + (((2 \times (2 \times 22 + 2))^2) - 222)$
:= $33/3 + (3 \times ((33/3 + 3)^3))$
:= $4 + (((4 \times 4^4 \times (4+4)) - 4/4) + 44) + 4$
:= $5^5 + (5 \times (5 - 5/5)^5 - ((5+5)/5))$
:= $(6 \times (6 \times (6 \times 6 \times 6 + 6 + 6) + 6)) - 6/6$
:= $77/7 + (7 \times (7+7) \times (77+7))$
:= $88/8 + (((8+8) \times (8 \times 8 \times 8 + 8)) - 88)$
:= $9 \times (999 - 9 \times 9) - (9/9 + 9 + 9)$
- 8244 := $(1+1) \times ((1+1) \times (1 + (1 + (11 + (1+1)^{11}))))$
:= $2 \times ((2 \times (2^{22/2} + 2)) + 22)$
:= $3 + (3 \times ((33/3 + 3)^3 + 3))$
:= $4 + (((4 \times 4^4 \times (4+4)) + 44) + 4)$
:= $5^5 + (5 \times (5 - 5/5)^5 - 5/5)$
:= $6 \times (6 \times (6 \times 6 \times 6 + 6 + 6) + 6)$
:= $(77+7)/7 + (7 \times (7+7) \times (77+7))$
:= $(8 \times (8 \times 8 \times (8+8) + 8)) - (88+8)/8$
:= $9 \times (999 - 9 \times 9) - (9+9)$
- 8245 := $1 + ((1+1) \times ((1+1) \times (1 + (1 + (11 + (1+1)^{11}))))$
:= $(2^{2+2} + 2/2) \times (22^2 + 2/2)$
:= $3 + ((3 \times ((33/3 + 3)^3 + 3)) + 3/3)$
:= $(4/4 + 4) \times ((4/4 + 4)^4 + 4 \times 4^4)$
:= $5^5 + 5 \times (5 - 5/5)^5$
:= $6/6 + (6 \times (6 \times (6 \times 6 \times 6 + 6 + 6) + 6))$
:= $7 + (((7 \times (7+7) \times (77+7)) - 7/7) + 7)$
:= $(8 \times (8 \times 8 \times (8+8) + 8)) - 88/8$
:= $9 + (9 \times 9 \times (99+9) - ((9+9)/9)^9)$
- 8246 := $11 + (((1+1) \times ((1+1) \times (11 + (1+1)^{11}))) - 1)$
:= $2 + (2 \times ((2 \times (2^{22/2} + 2)) + 22))$
:= $3 + ((3 \times (33/3 + 3)^3) + 33/3)$
:= $44 + ((4 \times 4^4 \times (4+4)) + (44-4)/4)$
:= $5^5 + (5 \times (5 - 5/5)^5 + 5/5)$
:= $((6+6)/6 + 6 \times 6) \times (6 \times 6 \times 6 + 6/6)$
:= $7 + ((7 \times (7+7) \times (77+7)) + 7)$
:= $(8-88)/8 + (8 \times (8 \times 8 \times (8+8) + 8))$
:= $(9+9)/9 + (9 \times (999 - 9 \times 9) - (9+9))$
- 8247 := $11 + ((1+1) \times ((1+1) \times (11 + (1+1)^{11})))$
:= $2 + ((2^{2+2} + 2/2) \times (22^2 + 2/2))$
:= $3 + ((3 \times ((33/3 + 3)^3 + 3)) + 3)$
:= $44 + ((4 \times 4^4 \times (4+4)) + 44/4)$
:= $55 + ((5+5)/5)^{(55+5+5)/5}$
:= $6 + ((66+6/6) \times ((6666/6 + 6) + 6))$
:= $7 + (((7 \times (7+7) \times (77+7)) + 7/7) + 7)$
:= $(8 \times (8 \times 8 \times (8+8) + 8)) - (8/8 + 8)$
:= $9 + (((9 \times 9 \times 99 + 999/9) + 99) + 9)$
- 8248 := $(1+111)/(1+1) + ((1+1)^{1+1+11})$
:= $2 \times (((2 \times (2^{22/2} + 2)) + 22) + 2)$
:= $3 + (((3 \times ((33/3 + 3)^3 + 3)) + 3/3) + 3)$
:= $44 + ((4 \times (4^4 \times (4+4) + 4)) - 4)$
:= $(5 \times (55 \times (5 \times 5 + 5))) - (5+5)/5$
:= $6 + ((6 \times (6 \times (6 \times 6 \times 6 + 6 + 6) + 6)) - ((6+6)/6))$
:= $7 + (((7+7)/7)^{7-7/7+7}) + 7 \times 7$
:= $(8 \times (8 \times 8 \times (8+8) + 8)) - 8$
:= $9 + (99 \times (9 \times 9 - 9) + 9999/9)$
- 8249 := $1 + ((1+111)/(1+1) + ((1+1)^{1+1+11}))$
:= $2 + (((2^{2+2} + 2/2) \times (22^2 + 2/2)) + 2)$
:= $(3 \times (((33/3 + 3)^3 + 3) + 3)) - 3/3$
:= $4 + ((4 \times 4^4 \times (4+4)) + (4^4 - 44)/4)$
:= $(5 \times (55 \times (5 \times 5 + 5))) - 5/5$
:= $6 + ((6 \times (6 \times (6 \times 6 \times 6 + 6 + 6) + 6)) - 6/6)$
:= $7 + ((7 \times (7+7) \times (77+7)) + ((77-7)/7))$
:= $8/8 + ((8 \times (8 \times 8 \times (8+8) + 8)) - 8)$
:= $9 + ((9-9/9) \times (9999/9 - 9 \times 9))$
- 8250 := $(1+1) \times (11 \times (1 + (11 \times (1 + 11 \times (1 + 1 + 1))))$
:= $22 + ((2 \times 2 \times 22)^2 + 22^2)$
:= $3 \times (((33/3 + 3)^3 + 3) + 3)$
:= $(44 + 4^4)/4 \times (444 - 4)/4$
:= $5 \times (55 \times (5 \times 5 + 5))$
:= $6 + (6 \times (6 \times (6 \times 6 \times 6 + 6 + 6) + 6))$
:= $7 + ((7 \times (7+7) \times (77+7)) + (77/7))$
:= $(8+8)/8 + ((8 \times (8 \times 8 \times (8+8) + 8)) - 8)$
:= $9 \times (999 - 9 \times 9) - (99+9)/9$
- 8251 := $(111/(1+1+1)) \times (1 + (1+1) \times 111)$
:= $(222 + 2/2) \times ((2+2+2)^2 + 2/2)$
:= $3/3 + (3 \times (((33/3 + 3)^3 + 3) + 3))$
:= $44 + ((4 \times (4^4 \times (4+4) + 4)) - 4/4)$
:= $5/5 + (5 \times (55 \times (5 \times 5 + 5)))$
:= $(6 \times 6 + 6/6) \times (6 \times 6 \times 6 + 6/6 + 6)$
:= $7 + ((7 \times (7+7) \times (77+7)) + (77+7)/7)$
:= $88/8 + ((88-8) \times (888/8 - 8))$
:= $9 \times (999 - 9 \times 9) - 99/9$
- 8252 := $1 + ((111/(1+1+1)) \times (1 + (1+1) \times 111))$
:= $2 \times ((2 \times (2^{22/2} + 2)) + 22)$
:= $33/3 + (3 \times ((33/3 + 3)^3 + 3))$
:= $44 + (4 \times (4^4 \times (4+4) + 4))$
:= $(5+5)/5 + (5 \times (55 \times (5 \times 5 + 5)))$
:= $66 + (((6+6)/6)^{6/6+6+6}) - 6$
:= $7 + (((7 \times (7+7) \times (77+7)) - 7/7) + 7) + 7$
:= $(8 \times (8 \times 8 \times (8+8) + 8)) - 8 \times 8/(8+8)$
:= $9 \times (999 - 9 \times 9) - 9/9 - 9$

- 8253 := $((1+1)^{1+1+11}) + ((1+11^{1+1})/(1+1))$
:= $2 + ((222+2/2) \times ((2+2+2)^2 + 2/2))$
:= $3 \times ((3^3 \times (3 \times 33+3)) - 3)$
:= $44 + ((4 \times (4^4 \times (4+4) + 4) + 4/4)$
:= $5 + ((5 \times (55 \times (5 \times 5+5))) - ((5+5)/5))$
:= $6 + (((66+6/6) \times ((666/6+6) + 6) + 6)$
:= $7 + (((7 \times (7+7) \times (77+7)) + 7) + 7)$
:= $8 + ((8 \times (8 \times 8 \times (8+8) + 8)) - (88/8))$
:= $9 \times (999 - 9 \times 9) - 9$
- 8254 := $(1+1) \times (11 + ((1+1) \times (11 + ((1+1)^{11} - 1))))$
:= $2^{2+2+2} + ((2^{22/2+2}) - 2)$
:= $3/3 + (3 \times ((3^3 \times (3 \times 33+3)) - 3))$
:= $(4^4 - 4 - 4)/4 + (4 \times 4^4 \times (4+4))$
:= $5 + ((5 \times (55 \times (5 \times 5+5))) - 5/5)$
:= $((66 - 6)/6) + (6 \times (6 \times (6 \times 6 \times 6+6) + 6))$
:= $7 + (((7 \times (7+7) \times (77+7)) + 7/7) + 7) + 7)$
:= $(8 \times (8 \times 8 \times (8+8) + 8)) - (8+8)/8$
:= $9/9 + (9 \times (999 - 9 \times 9) - 9)$
- 8255 := $1 + ((1+1) \times (11 + ((1+1) \times (11 + ((1+1)^{11} - 1))))$
:= $2^{2+2+2} + ((2^{22/2+2}) - 2/2)$
:= $3 + ((3 \times ((33/3+3)^3 + 3)) + 33/3)$
:= $((4^4 - 4)/4) + (4 \times 4^4 \times (4+4))$
:= $5 + (5 \times (55 \times (5 \times 5+5)))$
:= $66/6 + (6 \times (6 \times (6 \times 6 \times 6+6) + 6))$
:= $7 + (((((7+7)/7)^{7-7/7+7}) + 7 \times 7) + 7)$
:= $(8 \times (8 \times 8 \times (8+8) + 8)) - 8/8$
:= $(9+9)/9 + (9 \times (999 - 9 \times 9) - 9)$
- 8256 := $(1+1) \times (11 + (((1+1) \times (11 + (1+1)^{11})) - 1))$
:= $2 \times (2 \times (2^{22/2} + 2^{2+2}))$
:= $3 + (3 \times ((3^3 \times (3 \times 33+3)) - 3))$
:= $4 \times (4^4 \times (4+4) + 4 \times 4)$
:= $5 + ((5 \times (55 \times (5 \times 5+5))) + 5/5)$
:= $6 + ((6 \times (6 \times (6 \times 6 \times 6+6) + 6)) + 6)$
:= $7 \times (77 - 7) + (7777 - (77/7))$
:= $8 \times (8 \times 8 \times (8+8) + 8)$
:= $((9+9+9)/9) + (9 \times (999 - 9 \times 9) - 9)$
- 8257 := $((1+1) \times (11 + ((1+1) \times (11 + (1+1)^{11})))) - 1$
:= $2/2 + ((2^{22/2+2}) + 2^{2+2+2})$
:= $3 + ((3 \times ((3^3 \times (3 \times 33+3)) - 3)) + 3/3)$
:= $4/4 + (4 \times (4^4 \times (4+4) + 4 \times 4))$
:= $5 + ((5 \times (55 \times (5 \times 5+5))) + ((5+5)/5))$
:= $6 + ((6 \times 6 + 6/6) \times (6 \times 6 \times 6 + 6/6 + 6))$
:= $7 + (((7 \times (7+7) \times (77+7)) + (77/7)) + 7)$
:= $8/8 + (8 \times (8 \times 8 \times (8+8) + 8))$
:= $((9 - 99)/(9+9)) + 9 \times (999 - 9 \times 9)$
- 8258 := $(1+1) \times (11 + ((1+1) \times (11 + (1+1)^{11})))$
:= $2 + ((2^{22/2+2}) + 2^{2+2+2})$
:= $3^3 + ((3 \times (33/3+3)^3) - 3/3)$
:= $(4+4)/4 + (4 \times (4^4 \times (4+4) + 4 \times 4))$
:= $5 + (((5 \times (55 \times (5 \times 5+5))) - ((5+5)/5)) + 5)$
:= $66 + (((6+6)/6)^{6/6+6+6})$
:= $((77 - 7) \times (777/7+7)) - (7+7)/7$
:= $(8+8)/8 + (8 \times (8 \times 8 \times (8+8) + 8))$
:= $((9 - 9 \times 9)/(9+9)) + 9 \times (999 - 9 \times 9)$
- 8259 := $1 + ((1+1) \times (11 + ((1+1) \times (11 + (1+1)^{11}))))$
:= $((2 \times 2 \times 22 + 2/2) + 2)^2 - 22$
:= $3 \times ((33/3+3)^3 + 3 \times 3)$
:= $4 + ((4 \times 4^4 \times (4+4)) + ((4^4 - 4)/4))$
:= $5 + (((5 \times (55 \times (5 \times 5+5))) - 5/5) + 5)$
:= $66 + (((6+6)/6)^{6/6+6+6}) + 6/6$
:= $((77 - 7) \times (777/7+7)) - 7/7$
:= $88/8 + ((8 \times (8 \times 8 \times (8+8) + 8)) - 8)$
:= $9 \times (999 - 9 \times 9) - (9+9+9)/9$
- 8260 := $(1+1) \times (1 + (11 + ((1+1) \times (11 + (1+1)^{11}))))$
:= $2 \times ((2 \times (2^{22/2} + 2^{2+2})) + 2)$
:= $3^3 + ((3 \times (33/3+3)^3) + 3/3)$
:= $4 + (4 \times (4^4 \times (4+4) + 4 \times 4))$
:= $5 + ((5 \times (55 \times (5 \times 5+5))) + 5)$
:= $((6+6)/6)^6 + 6 \times ((666+6)/6+6)$
:= $(77 - 7) \times (777/7+7)$
:= $8 \times 8/(8+8) + (8 \times (8 \times 8 \times (8+8) + 8))$
:= $9 \times (999 - 9 \times 9) - (9+9)/9$
- 8261 := $11 \times (11 + (11 + (11 - 1 - 1)^{1+1+1}))$
:= $2 + (((2 \times 2 \times 22 + 2/2) + 2)^2) - 22$
:= $(3 \times (3^3 \times (3 \times 33+3))) - 3/3$
:= $4 + ((4 \times (4^4 \times (4+4) + 4 \times 4)) + 4/4)$
:= $55/5 + (5 \times (55 \times (5 \times 5+5)))$
:= $6 + ((6 \times (6 \times (6 \times 6 \times 6+6) + 6)) + (66/6))$
:= $7/7 + ((77 - 7) \times (777/7+7))$
:= $8 + (((8 \times (8 \times 8 \times (8+8) + 8)) - (88/8)) + 8)$
:= $9 \times (999 - 9 \times 9) - 9/9$
- 8262 := $(1+1) \times (11 + ((1+1) \times (1 + (11 + (1+1)^{11}))))$
:= $(22^2 + 2) \times (2^{2+2} + 2/2)$
:= $3 \times (3^3 \times (3 \times 33+3))$
:= $4 + ((4 \times (4^4 \times (4+4) + 4 \times 4)) + (4+4)/4)$
:= $(5/5+5) \times (5 \times 5 \times 55 + ((5+5)/5))$
:= $666 + (6 \times ((6 \times (6 \times 6 \times 6 - 6) + 6))$
:= $77 + (((7+7)/7)^{7-7/7+7}) - 7$
:= $8 + ((8 \times (8 \times 8 \times (8+8) + 8)) - ((8+8)/8))$
:= $9 \times (999 - 9 \times 9)$
- 8263 := $1 + ((1+1) \times (11 + ((1+1) \times (1 + (11 + (1+1)^{11}))))$
:= $2/2 + ((22^2 + 2) \times (2^{2+2} + 2/2))$
:= $3/3 + (3 \times (3^3 \times (3 \times 33+3)))$
:= $4 + (((4 \times 4^4 \times (4+4)) + ((4^4 - 4)/4)) + 4)$
:= $(55 + 5 + 5)/5 + (5 \times (55 \times (5 \times 5+5)))$
:= $6 + (((6 \times 6 + 6/6) \times (6 \times 6 \times 6 + 6/6 + 6)) + 6)$
:= $(7 \times ((7+7) \times (77+7) + 7)) - (77/7+7)$
:= $8 + ((8 \times (8 \times 8 \times (8+8) + 8)) - 8/8)$
:= $9/9 + 9 \times (999 - 9 \times 9)$
- 8264 := $(1+1) \times (((1+1)^{1+11}) + ((1+1+1) \times (1+11)))$
:= $2 + ((22^2 + 2) \times (2^{2+2} + 2/2))$
:= $3 + ((3 \times (3^3 \times (3 \times 33+3))) - 3/3)$
:= $4 + ((4 \times (4^4 \times (4+4) + 4 \times 4)) + 4)$
:= $(5 \times ((55 \times (5 \times 5+5)) + 5)) - 55/5$
:= $6 + (((6+6)/6)^{6/6+6+6}) + 66$
:= $(7/7+7) \times ((7777 - 7)/7 - 77)$
:= $8 + (8 \times (8 \times 8 \times (8+8) + 8))$
:= $(9+9)/9 + 9 \times (999 - 9 \times 9)$
- 8265 := $(1+1+1) \times (11 + (1+1+1+11)^{1+1+1})$
:= $((2222/22)^2) - (2 \times 22)^2$
:= $3 + (3 \times (3^3 \times (3 \times 33+3)))$
:= $4 + (((4 \times (4^4 \times (4+4) + 4 \times 4)) + 4/4) + 4)$
:= $5 + (((5 \times (55 \times (5 \times 5+5))) + 5) + 5)$
:= $6 + (((((6+6)/6)^{6/6+6+6}) + 66) + 6/6)$
:= $7 \times (77 - 7) + (7777 - ((7+7)/7))$
:= $8 + ((8 \times (8 \times 8 \times (8+8) + 8)) + 8/8)$
:= $((9+9+9)/9) + 9 \times (999 - 9 \times 9)$
- 8266 := $(1+1) \times (((1+1)^{1+11}) + (111/(1+1+1)))$
:= $2 + (((22^2 + 2) \times (2^{2+2} + 2/2)) + 2)$
:= $3 + ((3 \times (3^3 \times (3 \times 33+3))) + 3/3)$
:= $44 + (((4+4) \times (4 \times 4^4 + 4)) - (4+4)/4)$
:= $5 + ((5 \times (55 \times (5 \times 5+5))) + (55/5))$
:= $6 + (((6+6)/6)^6 + 6) \times ((666+6)/6+6)$
:= $7 \times (77 - 7) + (7777 - 7/7)$
:= $8 + ((8 \times (8 \times 8 \times (8+8) + 8)) + ((8+8)/8))$
:= $9 \times 9 \times 99 + (((9+9)/9)^{9-9/9}) - 9$
- 8267 := $1 + ((1+1) \times (((1+1)^{1+11}) + (111/(1+1+1))))$
:= $2 + (((2222/22)^2) - (2 \times 22)^2)$
:= $3 + (((3 \times (3^3 \times (3 \times 33+3))) - 3/3) + 3)$
:= $44 + (((4+4) \times (4 \times 4^4 + 4)) - 4/4)$
:= $5 + ((5 \times (55 \times (5 \times 5+5))) + ((55+5)/5))$
:= $(6/6+6) \times ((66 \times (6+6+6)) - (6/6+6))$
:= $7 \times (77 - 7) + 7777$
:= $88/8 + (8 \times (8 \times 8 \times (8+8) + 8))$
:= $((9 \times 9 + 9)/(9+9)) + 9 \times (999 - 9 \times 9)$

- 8268 := $(1+1) \times (1 + (((1+1)^{1+11}) + (111/(1+1+1))))$
:= $2 \times ((2^{2+2+2} + 2)^2 - 222)$
:= $3 + ((3 \times (3^3 \times (3 \times 33 + 3))) + 3)$
:= $44 + ((4+4) \times (4 \times 4^4 + 4))$
:= $(5 \times 5 + 5/5) \times ((5^5 + 5)/(5+5) + 5)$
:= $66 + ((6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) - 6)$
:= $7/7 + (7 \times (77 - 7) + 7777)$
:= $((88 + 8)/8) + (8 \times (8 \times 8 \times (8 + 8) + 8))$
:= $9 + (9 \times (999 - 9 \times 9) - ((9+9)/9))$
- 8269 := $((1 + (11 - 1) \times (11 - 1 - 1))^{1+1}) - 1 - 11$
:= $((22/2 + 2)^2) + ((2 \times 2 \times 22 + 2)^2)$
:= $3 + (((3 \times (3^3 \times (3 \times 33 + 3))) + 3/3) + 3)$
:= $44 + (((4+4) \times (4 \times 4^4 + 4)) + 4/4)$
:= $5^5 + ((5 \times ((5 - 5/5)^5 + 5)) - 5/5)$
:= $((6 - 66) \times (6 - (6 + 6) \times (6 + 6))) - 66/6$
:= $77 + (((7+7)/7)^{7-7/7+7})$
:= $88 + ((8 \times 8 \times 8 \times (8 + 8)) - (88/8))$
:= $9 + (9 \times (999 - 9 \times 9) - ((9+9)/9))$
- 8270 := $(11 - 1) \times ((1+1)^{11} - 11 \times 111)$
:= $(2 \times (2 \times ((2^{22/2} - 2) + 22))) - 2$
:= $(3 \times ((3^3 \times (3 \times 33 + 3)) + 3)) - 3/3$
:= $(44 \times (444 - 4^4)) - (4 + 4)/4$
:= $5^5 + (5 \times ((5 - 5/5)^5 + 5))$
:= $6 + (((((6+6)/6)^{6/6+6+6}) + 66) + 6)$
:= $(7 \times ((7+7) \times (77 + 7) + 7)) - 77/7$
:= $8 + (((8 \times (8 \times 8 \times (8 + 8) + 8)) - ((8+8)/8)) + 8)$
:= $9 + (9 \times (999 - 9 \times 9) - 9/9)$
- 8271 := $1 + ((11 - 1) \times ((1+1)^{11} - 11 \times 111))$
:= $(2^{22/2+2}) + ((2/2 + 2)^{2+2} - 2)$
:= $3 \times ((3^3 \times (3 \times 33 + 3)) + 3)$
:= $(44 \times (444 - 4^4)) - 4/4$
:= $5^5 + ((5 \times ((5 - 5/5)^5 + 5)) + 5/5)$
:= $666 + ((66 - 6/6) \times (666/6 + 6))$
:= $77/7 + ((77 - 7) \times (777/7 + 7))$
:= $8 + (((8 \times (8 \times 8 \times (8 + 8) + 8)) - 8/8) + 8)$
:= $9 + 9 \times (999 - 9 \times 9)$
- 8272 := $(1+1) \times ((1+1) \times ((1+1)^{11} + ((1+1) \times (11 - 1))))$
:= $2 \times (2 \times ((2^{22/2} - 2) + 22))$
:= $3/3 + (3 \times ((3^3 \times (3 \times 33 + 3)) + 3))$
:= $44 \times (444 - 4^4)$
:= $5^5 + ((5 \times ((5 - 5/5)^5 + 5)) + ((5+5)/5))$
:= $((6+6)/6)^6 + (6 \times 6 \times (6 \times 6 \times 6 + 6 + 6))$
:= $(7/7 + 7) \times (7777/7 - 77)$
:= $8 + ((8 \times (8 \times 8 \times (8 + 8) + 8)) + 8)$
:= $9 + (9 \times (999 - 9 \times 9) + 9/9)$
- 8273 := $(11 - 1 - 1)^{1+1} + ((1+1)^{1+1+11})$
:= $(2^{22/2+2}) + (2/2 + 2)^{2+2}$
:= $33/3 + (3 \times (3^3 \times (3 \times 33 + 3)))$
:= $4/4 + (44 \times (444 - 4^4))$
:= $(5 \times ((55 \times (5 \times 5 + 5)) + 5)) - (5+5)/5$
:= $66 + ((6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) - 6/6)$
:= $(7 \times ((7+7) \times (77 + 7) + 7)) - (7/7 + 7)$
:= $8 + (((8 \times (8 \times 8 \times (8 + 8) + 8)) + 8/8) + 8)$
:= $99/9 + 9 \times (999 - 9 \times 9)$
- 8274 := $1 + ((11 - 1 - 1)^{1+1} + ((1+1)^{1+1+11}))$
:= $2 + (2 \times (2 \times ((2^{22/2} - 2) + 22)))$
:= $3 + (3 \times ((3^3 \times (3 \times 33 + 3)) + 3))$
:= $(4 + 4)/4 + (44 \times (444 - 4^4))$
:= $(5 \times ((55 \times (5 \times 5 + 5)) + 5)) - 5/5$
:= $66 + (6 \times 6 \times (6 \times 6 \times 6 + 6 + 6))$
:= $(7 \times ((7+7) \times (77 + 7) + 7)) - 7$
:= $8 + (((8 \times (8 \times 8 \times (8 + 8) + 8)) + ((8+8)/8)) + 8)$
:= $(99 + 9)/9 + 9 \times (999 - 9 \times 9)$
- 8275 := $1 + (1 + ((11 - 1 - 1)^{1+1} + ((1+1)^{1+1+11})))$
:= $2 + ((2^{22/2+2}) + (2/2 + 2)^{2+2})$
:= $3 + ((3 \times ((3^3 \times (3 \times 33 + 3)) + 3)) + 3/3)$
:= $4 + ((44 \times (444 - 4^4)) - 4/4)$
:= $5 \times ((55 \times (5 \times 5 + 5)) + 5)$
:= $66 + ((6 \times 6 \times (6 \times 6 \times 6 + 6 + 6)) + 6/6)$
:= $7/7 + ((7 \times ((7+7) \times (77 + 7) + 7)) - 7)$
:= $8 + ((8 \times (8 \times 8 \times (8 + 8) + 8)) + (88/8))$
:= $9 \times 9 \times 99 + (((9+9)/9)^{9-9/9})$
- 8276 := $(1+1) \times ((1+1) \times (11 + (11 + ((1+1)^{11} - 1))))$
:= $2 \times ((2 \times (2^{22/2} + 22)) - 2)$
:= $3 + ((3 \times (3^3 \times (3 \times 33 + 3))) + 33/3)$
:= $4 + (44 \times (444 - 4^4))$
:= $5/5 + (5 \times ((55 \times (5 \times 5 + 5)) + 5))$
:= $((6+6)/6) \times (((((6+6)/6)^{6+6}) + 6 \times 6) + 6)$
:= $7 + (((7+7)/7)^{7-7/7+7}) + 77$
:= $8 + ((8 \times (8 \times 8 \times (8 + 8) + 8)) + ((88+8)/8))$
:= $9 + (9 \times (999 - 9 \times 9) + ((9 \times 9 + 9)/(9+9)))$
- 8277 := $1 + ((1+1) \times ((1+1) \times (11 + (11 + ((1+1)^{11} - 1))))$
:= $((2 \times 2 \times 22 + 2/2) + 2)^2 - 2 - 2$
:= $3 + ((3 \times ((3^3 \times (3 \times 33 + 3)) + 3)) + 3)$
:= $4 + ((44 \times (444 - 4^4)) + 4/4)$
:= $(5+5)/5 + (5 \times ((55 \times (5 \times 5 + 5)) + 5))$
:= $6 \times 6 + ((66 + 6/6) \times ((666/6 + 6) + 6))$
:= $7 + ((7 \times ((7+7) \times (77 + 7) + 7)) - (77/7))$
:= $8 + (((8 \times 8 \times 8 \times (8 + 8)) - (88/8)) + 88)$
:= $((9 \times 9 - 9/9) + 9) \times ((99 + 9)/9 + 9 \times 9)$
- 8278 := $(1+1) \times (((1+1) \times (11 + (11 + (1+1)^{11}))) - 1)$
:= $(2 \times (2 \times (2^{22/2} + 22))) - 2$
:= $((3 \times (3^3 + 3) + 3/3)^{3-3/3}) - 3$
:= $(4+4)/4 \times (((4+4)^4 - 4/4) + 44)$
:= $5 + ((5 \times ((55 \times (5 \times 5 + 5)) + 5)) - ((5+5)/5))$
:= $((6 - 66) \times (6 - (6+6) \times (6+6))) - (6+6)/6$
:= $77/7 + (7 \times (77 - 7) + 7777)$
:= $88 + ((8 \times 8 \times 8 \times (8 + 8)) - ((8+8)/8))$
:= $9 + ((9 \times (999 - 9 \times 9) - ((9+9)/9)) + 9)$
- 8279 := $((1 + (11 - 1) \times (11 - 1 - 1))^{1+1}) - 1 - 1$
:= $((2 \times 2 \times 22 + 2/2) + 2)^2 - 2$
:= $(3 \times (((3^3 \times (3 \times 33 + 3)) + 3) + 3)) - 3/3$
:= $((4+4) \times (44/4 + 4 \times 4^4)) - 4/4$
:= $5 + ((5 \times ((55 \times (5 \times 5 + 5)) + 5)) - 5/5)$
:= $((6 - 66) \times (6 - (6 + 6) \times (6 + 6))) - 6/6$
:= $(7 \times ((7+7) \times (77 + 7) + 7)) - (7+7)/7$
:= $88 + ((8 \times 8 \times 8 \times (8 + 8)) - 8/8)$
:= $9 + ((9 \times (999 - 9 \times 9) - 9/9) + 9)$
- 8280 := $((1 + (11 - 1) \times (11 - 1 - 1))^{1+1}) - 1$
:= $2 \times (2 \times (2^{22/2} + 22))$
:= $3 \times (((3^3 \times (3 \times 33 + 3)) + 3) + 3)$
:= $(4 + 4) \times (44/4 + 4 \times 4^4)$
:= $5 + (5 \times ((55 \times (5 \times 5 + 5)) + 5))$
:= $(6 - 66) \times (6 - (6 + 6) \times (6 + 6))$
:= $(7 \times ((7+7) \times (77 + 7) + 7)) - 7/7$
:= $88 + (8 \times 8 \times 8 \times (8 + 8))$
:= $9 + (9 \times (999 - 9 \times 9) + 9)$
- 8281 := $(1 + (11 - 1) \times (11 - 1 - 1))^{1+1}$
:= $((2 \times 2 \times 22 + 2/2) + 2)^2$
:= $(3 \times (3^3 + 3) + 3/3)^{3-3/3}$
:= $4/4 + ((4+4) \times (44/4 + 4 \times 4^4))$
:= $5 + ((5 \times ((55 \times (5 \times 5 + 5)) + 5)) + 5/5)$
:= $6/6 + ((6 - 66) \times (6 - (6 + 6) \times (6 + 6)))$
:= $7 \times ((7+7) \times (77 + 7) + 7)$
:= $8/8 + ((8 \times 8 \times 8 \times (8 + 8)) + 88)$
:= $((9/9 + 9 \times 9) + 9)^{(9+9)/9}$
- 8282 := $1 + ((1 + (11 - 1) \times (11 - 1 - 1))^{1+1})$
:= $2 + (2 \times (2 \times (2^{22/2} + 22)))$
:= $3/3 + ((3 \times (3^3 + 3) + 3/3)^{3-3/3})$
:= $(4+4)/4 \times (((4+4)^4 + 44) + 4/4)$
:= $((5+5)/5)^5 + (5 \times (55 \times (5 \times 5 + 5)))$
:= $(6+6)/6 + ((6 - 66) \times (6 - (6 + 6) \times (6 + 6)))$
:= $7/7 + (7 \times ((7+7) \times (77 + 7) + 7))$
:= $88 + ((8 \times 8 \times 8 \times (8 + 8)) + ((8+8)/8))$
:= $(9/9 + 9 \times 9) \times ((9+9)/9 + 99)$

- 8283 := $1 + (1 + ((1 + (11 - 1) \times (11 - 1 - 1))^{1+1}))$
:= $2 + (((2 \times 2 \times 22 + 2/2) + 2)^2)$
:= $33 \times (((3^{3+3} - 3)/3) + 3 \times 3)$
:= $44/4 + (44 \times (444 - 4^4))$
:= $((5 + 5)/5 \times (((5 - 5/5)^5 - 5) + 5^5)) - 5$
:= $6 \times 66 + (666/6 + (6^{6-6/6}))$
:= $(7 + 7)/7 + (7 \times ((7 + 7) \times (77 + 7) + 7))$
:= $8 + (((8 \times 8 \times 8 \times (8 + 8) + 8)) + (88/8) + 8)$
:= $9 + (9 \times (999 - 9 \times 9) + (99 + 9)/9)$
- 8284 := $1 + (1 + (1 + ((1 + (11 - 1) \times (11 - 1 - 1))^{1+1})))$
:= $2 \times ((2 \times (2^{22/2} + 22)) + 2)$
:= $3 + ((3 \times (3^3 + 3) + 3/3)^{3-3/3})$
:= $((4 + 4) \times (4 \times (4^4 + 4) - 4)) - 4$
:= $5 + (((5 \times (55 \times (5 \times 5 + 5)) + 5)) - 5/5) + 5$
:= $((6 + 6)/6 + 6 \times 6) \times (6 \times 6 \times 6 + (6 + 6)/6)$
:= $(7/7 - 77) \times (((7 - 777) + 7)/7)$
:= $88 + ((8 \times 8 \times 8 \times (8 + 8)) + 8 \times 8/(8 + 8))$
:= $9 + (((9 + 9)/9)^{9-9/9}) + 9 \times 9 \times 99$
- 8285 := $1 + (1 + (1 + (1 + ((1 + (11 - 1) \times (11 - 1 - 1))^{1+1}))))$
:= $2 + (((2 \times 2 \times 22 + 2/2) + 2)^2) + 2$
:= $(3 \times ((33/3 + 3)^3 + (3 \times (3 + 3)))) - 3/3$
:= $4/4 + (((4 + 4) \times (4 \times (4^4 + 4) - 4)) - 4)$
:= $5 + ((5 \times (55 \times (5 \times 5 + 5)) + 5) + 5)$
:= $6 + (((6 - 66) \times (6 - (6 + 6) \times (6 + 6))) - 6/6)$
:= $77/7 + ((7 \times ((7 + 7) \times (77 + 7) + 7)) - 7)$
:= $8 + (((8 \times 8 \times 8 \times (8 + 8)) - (88/8) + 88) + 8)$
:= $99 \times (9 \times 9 - 9 - 9) + (((9 + 9)/9)^{99/9})$
- 8286 := $(1 + 1) \times (((1 + 111) \times (111/(1 + 1 + 1))) - 1)$
:= $2 + (2 \times ((2 \times (2^{22/2} + 22)) + 2))$
:= $3 \times ((33/3 + 3)^3 + (3 \times (3 + 3)))$
:= $((4 + 4) \times (4 \times (4^4 + 4) - 4)) - (4 + 4)/4$
:= $55/5 + (5 \times ((55 \times (5 \times 5 + 5)) + 5))$
:= $6 + ((6 - 66) \times (6 - (6 + 6) \times (6 + 6)))$
:= $7 + ((7 \times ((7 + 7) \times (77 + 7) + 7)) - ((7 + 7)/7))$
:= $8 + (((8 \times 8 \times 8 \times (8 + 8)) - ((8 + 8)/8) + 88)$
:= $9 + (((9 \times 9 - 9/9) + 9) \times ((99 + 9)/9 + 9 \times 9))$
- 8287 := $((1 + 1) \times ((1 + 111) \times (111/(1 + 1 + 1)))) - 1$
:= $2 + (((((2 \times 2 \times 22 + 2/2) + 2)^2) + 2) + 2)$
:= $3 + (((3 \times (3^3 + 3) + 3/3)^{3-3/3}) + 3)$
:= $((4 + 4) \times (4 \times (4^4 + 4) - 4)) - 4/4$
:= $5 + ((5 \times (55 \times (5 \times 5 + 5))) + ((5 + 5)/5)^5)$
:= $6 + (((6 - 66) \times (6 - (6 + 6) \times (6 + 6))) + 6/6)$
:= $7 + ((7 \times ((7 + 7) \times (77 + 7) + 7)) - 7/7)$
:= $8 + (((8 \times 8 \times 8 \times (8 + 8)) - 8/8) + 88)$
:= $999 + (9 \times 9 \times (9 \times 9 + 9) - ((9 + 9)/9))$
- 8288 := $(1 + 1) \times ((1 + 111) \times (111/(1 + 1 + 1)))$
:= $2 \times (2 \times ((2^{22/2} + 22) + 2))$
:= $(3^3 + 3/3) \times (3 \times 3 \times 33 - 3/3)$
:= $(4 + 4) \times (4 \times (4^4 + 4) - 4)$
:= $(5 + 5)/5 \times (((5 - 5/5)^5 - 5) + 5^5)$
:= $(6 \times 6 + 6/6) \times ((6 \times 6 \times 6 + (6 + 6)/6) + 6)$
:= $7 + (7 \times ((7 + 7) \times (77 + 7) + 7))$
:= $8 + ((8 \times 8 \times 8 \times (8 + 8)) + 88)$
:= $999 + (9 \times 9 \times (9 \times 9 + 9) - 9/9)$
- 8289 := $1 + ((1 + 1) \times ((1 + 111) \times (111/(1 + 1 + 1))))$
:= $2/2 + (2 \times (2 \times ((2^{22/2} + 22) + 2)))$
:= $3 \times ((3^3 \times (3 \times 33 + 3)) + 3 \times 3)$
:= $4/4 + ((4 + 4) \times (4 \times (4^4 + 4) - 4))$
:= $(5/5 + 5)^5 + ((5^5 - (555 + 5))/5)$
:= $((6 \times 6/(6 + 6))^6) + (6 \times (6 \times (6 \times 6 \times 6 - 6)))$
:= $7 + ((7 \times ((7 + 7) \times (77 + 7) + 7)) + 7/7)$
:= $8 + (((8 \times 8 \times 8 \times (8 + 8)) + 88) + 8/8)$
:= $999 + 9 \times 9 \times (9 \times 9 + 9)$
- 8290 := $(1 + 1) \times (1 + ((1 + 111) \times (111/(1 + 1 + 1))))$
:= $2 + (2 \times (2 \times ((2^{22/2} + 22) + 2)))$
:= $3^3 + ((3 \times (3^3 \times (3 \times 33 + 3))) + 3/3)$
:= $(4 + 4)/4 + ((4 + 4) \times (4 \times (4^4 + 4) - 4))$
:= $5 + (((5 \times (55 \times (5 \times 5 + 5)) + 5) + 5) + 5)$
:= $6 + (((6 + 6)/6 + 6 \times 6) \times (6 \times 6 \times 6 + (6 + 6)/6))$
:= $7 \times (7 + 7) + (((7 + 7)/7)^{7-7/7+7})$
:= $8 + (((8 \times 8 \times 8 \times (8 + 8)) + ((8 + 8)/8) + 88)$
:= $9 + (((9/9 + 9 \times 9) + 9)^{(9+9)/9})$
- 8291 := $111 + (((1 + 1)^{1+1+11}) - (1 + 11))$
:= $22/2 + (2 \times (2 \times (2^{22/2} + 22)))$
:= $3 + ((3^3 + 3/3) \times (3 \times 3 \times 33 - 3/3))$
:= $4 + (((4 + 4) \times (4 \times (4^4 + 4) - 4)) - 4/4)$
:= $5 + ((5 \times (55 \times (5 \times 5 + 5)) + 5) + (55/5))$
:= $66/6 + ((6 - 66) \times (6 - (6 + 6) \times (6 + 6)))$
:= $7 + ((7/7 - 77) \times (((7 - 777) + 7)/7))$
:= $88 + ((8 \times 8 \times 8 \times (8 + 8)) + (88/8))$
:= $9 + ((9/9 + 9 \times 9) \times ((9 + 9)/9 + 99))$
- 8292 := $111 + (((1 + 1)^{1+1+11}) - 11)$
:= $2 \times (2 \times ((2^{22/2} + 22) + 2)) + 2$
:= $3 + ((3 \times (3^3 \times (3 \times 33 + 3))) + 3^3)$
:= $4 + ((4 + 4) \times (4 \times (4^4 + 4) - 4))$
:= $(5 - 5/5) \times (((5 + 5)/5)^{55/5}) + 5 \times 5$
:= $6 + (((6 - 66) \times (6 - (6 + 6) \times (6 + 6))) + 6)$
:= $77/7 + (7 \times ((7 + 7) \times (77 + 7) + 7))$
:= $88 + ((8 \times 8 \times 8 \times (8 + 8)) + ((88 + 8)/8))$
:= $999/9 + 9 \times (9 \times 99 + 9 + 9)$
- 8293 := $1 + (111 + (((1 + 1)^{1+1+11}) - 11))$
:= $(2^{22/2+2}) + 2222/22$
:= $((3/3 + 33) \times ((3^{3+3} + 3)/3)) - 3$
:= $4 + (((4 + 4) \times (4 \times (4^4 + 4) - 4)) + 4/4)$
:= $((5 + 5 + 5) \times 555) - ((5 + 5)/5)^5$
:= $6 + (((6 - 66) \times (6 - (6 + 6) \times (6 + 6))) + 6/6) + 6$
:= $(77 + 7)/7 + (7 \times ((7 + 7) \times (77 + 7) + 7))$
:= $(8 \times 8 \times 8 \times (8 + 8)) + (8888/88)$
:= $((999 + 9)/9) + 9 \times (9 \times 99 + 9 + 9)$
- 8294 := $1 + (1 + (111 + (((1 + 1)^{1+1+11}) - 11)))$
:= $22 \times ((22/2)^2 + 2^{2 \times (2+2)})$
:= $33 + ((3 \times (3^3 \times (3 \times 33 + 3))) - 3/3)$
:= $4 + (((4 + 4) \times (4 \times (4^4 + 4) - 4)) + (4 + 4)/4)$
:= $55 + ((5 \times (55 \times (5 \times 5 + 5))) - (55/5))$
:= $6 \times 6 + (((6 + 6)/6)^{6/6+6+6}) + 66$
:= $7 + (((7 \times ((7 + 7) \times (77 + 7) + 7)) - 7/7) + 7)$
:= $(8 \times 8 \times 8 \times (8 + 8)) + ((888 - 8)/8 - 8)$
:= $99/9 \times (((9 \times 9 \times 9 - ((9 + 9)/9)) + 9) + 9) + 9$
- 8295 := $111 + ((1 + 1) \times ((1 + 1) \times ((1 + 1)^{11} - (1 + 1))))$
:= $222/2 + (2 \times 2 \times (2^{22/2} - 2))$
:= $33 + (3 \times (3^3 \times (3 \times 33 + 3)))$
:= $4 + (((4 + 4) \times (4 \times (4^4 + 4) - 4)) - 4/4) + 4$
:= $5^5 + (5 \times (((5 - 5/5)^5 + 5) + 5))$
:= $(6/6 + 6) \times (6 \times 6 \times 6 \times 6 - 666/6)$
:= $7 + ((7 \times ((7 + 7) \times (77 + 7) + 7)) + 7)$
:= $888/8 + ((8 \times 8 \times 8 \times (8 + 8)) - 8)$
:= $9 \times 9 + (999/9 \times (((9 + 9)/9) - 9) + 9 \times 9)$
- 8296 := $(1 + 1) \times ((1 + 11^{1+1}) \times (1 + 11 \times (1 + 1 + 1)))$
:= $2 \times (2 \times ((2^{22/2} + 22) + 2) + 2)$
:= $(3/3 + 33) \times ((3^{3+3} + 3)/3)$
:= $4 + (((4 + 4) \times (4 \times (4^4 + 4) - 4)) + 4)$
:= $(5/5 + 5)^5 + ((5^5 - 5)/(5/5 + 5))$
:= $((6 + 6)/6 + 66) \times ((666 + 66)/6)$
:= $7 + (((7 \times ((7 + 7) \times (77 + 7) + 7)) + 7/7) + 7)$
:= $8 + (((8 \times 8 \times 8 \times (8 + 8)) + 88) + 8)$
:= $9 + ((9 \times 9 \times (9 \times 9 + 9) - ((9 + 9)/9)) + 999)$
- 8297 := $111 + ((1 + 1) \times (((1 + 1)^{1+1+11}) - (1 + 1 + 1)))$
:= $2^{2+2} + (((2 \times 2 \times 22 + 2/2) + 2)^2)$
:= $3 \times 3 \times 33 + ((33/3 + 3 \times 3)^3)$
:= $4 + (((4 + 4) \times (4 \times (4^4 + 4) - 4)) + 4/4) + 4$
:= $(5/5 + 5)^5 + ((5^5 + 5/5)/(5/5 + 5))$
:= $6 + (((6 - 66) \times (6 - (6 + 6) \times (6 + 6))) + (66/6))$
:= $7 + (((7 + 7)/7)^{7-7/7+7}) + 7 \times (7 + 7)$
:= $8 + (((8 \times 8 \times 8 \times (8 + 8)) + 88) + 8/8) + 8$
:= $9 + ((9 \times 9 \times (9 \times 9 + 9) - 9/9) + 999)$

- **8298** := $111 + (((1+1) \times ((1+1) \times ((1+1)^{11} - 1))) - 1)$
:= $2 + (2 \times (2 \times ((2^{22/2} + 22) + 2) + 2))$
:= $3 \times ((33 \times (3 \times 3^3 + 3)) - (3 + 3))$
:= $(4 + 4) / 4 \times ((4^4 - 44) / 4 + (4 + 4)^4)$
:= $(5 + 5) / 5 \times ((5 - 5/5)^5 + 5^5)$
:= $6 \times (((66 \times (6 \times 6 + 6)) - 6) / ((6 + 6) / 6))$
:= $77 + ((7 \times (7 + 7) \times (77 + 7)) - (77 / 7))$
:= $((8 + 8) / 8) \times (8 \times (8 \times 8 \times 8 + 8) - (88 / 8))$
:= $9 + (9 \times 9 \times (9 \times 9 + 9) + 999)$
- **8299** := $111 + ((1+1) \times ((1+1) \times ((1+1)^{11} - 1)))$
:= $222 / 2 + (2 \times (2^{2 \times (2+2+2)} - 2))$
:= $3 + ((3/3 + 33) \times ((3^{3+3} + 3) / 3))$
:= $44 / 4 + ((4 + 4) \times (4 \times (4^4 + 4) - 4))$
:= $((5 + 5 + 5) \times 555) - (5 \times 5 + 5 / 5)$
:= $(66 \times ((66 - 6) + 66)) - (66 / 6 + 6)$
:= $7 + ((7 \times ((7 + 7) \times (77 + 7) + 7)) + (77 / 7))$
:= $8 + (((8 \times 8 \times 8 \times (8 + 8)) + (88 / 8)) + 88)$
:= $9 + (((9 / 9 + 9 \times 9) + 9)^{(9+9)/9}) + 9$
- **8300** := $111 + (((1+1)^{1+1+11}) - (1 + 1 + 1))$
:= $2 \times (2 \times ((2^{22/2} + 22) + 2) + 2)$
:= $((3/3 - 3) + 3^3) \times (333 - 3/3)$
:= $(4 \times ((4 + 4) \times (4^4 + 4) - 4)) - 4$
:= $5 \times (((55 \times (5 \times 5 + 5)) + 5) + 5)$
:= $6 \times (6 + 6 + 6) + (((6 + 6) / 6)^{6/6+6+6})$
:= $(77 / 7 + 7 + 7) \times (7 \times 7 \times 7 - (77 / 7))$
:= $88 \times 88 + ((8888 + 8) / (8 + 8))$
:= $(9 / 9 + 99) \times (((9 + 9) / 9) + 9 \times 9)$
- **8301** := $111 + ((1+1) \times (((1+1)^{1+11}) - 1))$
:= $222 / 2 + ((2^{22/2+2}) - 2)$
:= $3 + (3 \times ((33 \times (3 \times 3^3 + 3)) - (3 + 3)))$
:= $4 / 4 + ((4 \times ((4 + 4) \times (4^4 + 4) - 4)) - 4)$
:= $5 / 5 + (5 \times (((55 \times (5 \times 5 + 5)) + 5) + 5))$
:= $((66 - 6 / 6) + 6) \times (666 / 6 + 6) - 6$
:= $77 + ((7 \times (7 + 7) \times (77 + 7)) - (7 / 7 + 7))$
:= $((8 + 8) \times (8 \times 8 \times 8 + 8)) - (88 / 8 + 8)$
:= $9 + (9 \times (9 \times 99 + 9 + 9) + 999 / 9)$
- **8302** := $111 + (((1+1)^{1+1+11}) - 1)$
:= $22 + (2 \times (2 \times (2^{22/2} + 22)))$
:= $3 + (((3/3 + 33) \times ((3^{3+3} + 3) / 3)) + 3)$
:= $(4 \times 4^4 \times (4 + 4)) + (444 - 4) / 4$
:= $(5 + 5) / 5 + (5 \times (((55 \times (5 \times 5 + 5)) + 5) + 5))$
:= $(6 / 6 + 6) \times ((66 \times (6 + 6 + 6)) - ((6 + 6) / 6))$
:= $77 + ((7 \times (7 + 7) \times (77 + 7)) - 7)$
:= $(8 \times 8 \times 8 \times (8 + 8)) + (888 - 8) / 8$
:= $((99 / 9) + 9 \times 9)^{(9+9)/9} - 9 \times (9 + 9)$
- **8303** := $111 + ((1+1)^{1+1+11})$
:= $222 / 2 + (2^{22/2+2})$
:= $3 + (((3/3 - 3) + 3^3) \times (333 - 3/3))$
:= $444 / 4 + (4 \times 4^4 \times (4 + 4))$
:= $5 + ((5 + 5) / 5 \times ((5 - 5/5)^5 + 5^5))$
:= $666 / 6 + (((6 + 6) / 6)^{6/6+6+6})$
:= $7 / 7 + (((7 \times (7 + 7) \times (77 + 7)) - 7) + 77)$
:= $888 / 8 + (8 \times 8 \times 8 \times (8 + 8))$
:= $999 / 9 + (((9 + 9) / 9)^{(9+9+9)/9})$
- **8304** := $1 + (111 + ((1+1)^{1+1+11}))$
:= $(22 + 2) \times (((2^{2+2} + 2)^2) + 22)$
:= $3 \times (((33/3 + 3)^3 - 3) + 3^3)$
:= $4 \times ((4 + 4) \times (4^4 + 4) - 4)$
:= $55 + ((5 \times (55 \times (5 \times 5 + 5))) - 5 / 5)$
:= $(66 \times ((66 - 6) + 66)) - 6 - 6$
:= $7 \times 77 + (7777 - (77 + 7) / 7)$
:= $(8 + 8) \times ((8 \times 8 \times 8 - 8 / 8) + 8)$
:= $(9 - 9 / 9) \times (((9999 - 9) / 9) - 9 \times 9) + 9$
- **8305** := $1 + (1 + (111 + ((1+1)^{1+1+11})))$
:= $2 + ((2^{22/2+2}) + 222 / 2)$
:= $33 / 3 \times ((3^{3+3} - 3/3) + 3^3)$
:= $4 / 4 + (4 \times ((4 + 4) \times (4^4 + 4) - 4))$
:= $55 + (5 \times (55 \times (5 \times 5 + 5)))$
:= $(66 \times ((66 - 6) + 66)) - 66 / 6$
:= $7 \times 77 + (7777 - (77 / 7))$
:= $8 / 8 + ((8 + 8) \times ((8 \times 8 \times 8 - 8 / 8) + 8))$
:= $99 / 9 \times (((9 \times 9 \times 9 - 9 / 9) + 9) + 9) + 9$
- **8306** := $1 + (1 + (1 + (111 + ((1+1)^{1+1+11}))))$
:= $2 + ((2^{22/2+2}) + (222 + 2) / 2)$
:= $(3 \times ((33 \times (3 \times 3^3 + 3)) - 3)) - 3 / 3$
:= $(4 + 4) / 4 + (4 \times ((4 + 4) \times (4^4 + 4) - 4))$
:= $555 + ((5 / 5 + 5)^5 - 5 \times 5)$
:= $(6 - 66) / 6 + (66 \times ((66 - 6) + 66))$
:= $7 \times 77 + (((7 - 77) / 7) + 7777)$
:= $(8 + 8) / 8 + ((8 + 8) \times ((8 \times 8 \times 8 - 8 / 8) + 8))$
:= $(99 \times (((9 + 9 + 9) / 9) + 9 \times 9)) - 9 / 9 - 9$
- **8307** := $111 + ((1+1) \times (1 + (1 + ((1+1)^{1+1+11}))))$
:= $2 + (((2^{22/2+2}) + 222 / 2) + 2)$
:= $3 \times ((33 \times (3 \times 3^3 + 3)) - 3)$
:= $4 + ((4 \times 4^4 \times (4 + 4)) + 444 / 4)$
:= $55 + ((5 \times (55 \times (5 \times 5 + 5))) + ((5 + 5) / 5))$
:= $((66 - 6 / 6) + 6) \times (666 / 6 + 6)$
:= $77 + ((7 \times (7 + 7) \times (77 + 7)) - ((7 + 7) / 7))$
:= $(88 + 8 + 8) / 8 \times (8 \times (88 - 8) - 8 / 8)$
:= $(99 + 9 + 9) \times (9 \times 9 - (9 / 9 + 9))$
- **8308** := $1 + (111 + ((1+1) \times (1 + (1 + ((1+1)^{1+1+11}))))))$
:= $2 \times ((2 \times (2 \times 22^2 - 2)) + 2222)$
:= $3 / 3 + (3 \times ((33 \times (3 \times 3^3 + 3)) - 3))$
:= $4 + (4 \times ((4 + 4) \times (4^4 + 4) - 4))$
:= $(5 + 5) / 5 \times (((5 - 5/5)^5 + 5^5) + 5)$
:= $(66 + 6 / 6) \times (((666 + 6) / 6 + 6) + 6)$
:= $77 + ((7 \times (7 + 7) \times (77 + 7)) - 7 / 7)$
:= $((8 + 8) \times (8 \times 8 \times 8 + 8)) - (88 + 8) / 8$
:= $9 + (((9 / 9 + 9 \times 9) + 9)^{(9+9)/9}) + 9 + 9$
- **8309** := $111 + ((1+1) \times (1 + (1 + (1 + ((1+1)^{1+1+11}))))))$
:= $(22 / 2)^2 + (2 \times (2^{2 \times (2+2+2)} - 2))$
:= $3 + ((3 \times ((33 \times (3 \times 3^3 + 3)) - 3)) - 3 / 3)$
:= $(4 \times (4 + 4) \times (4^4 + 4)) - 44 / 4$
:= $((5 + 5 + 5) \times 555) - (55 / 5 + 5)$
:= $(6 / 6 + 6) \times ((66 \times (6 + 6 + 6)) - 6 / 6)$
:= $77 + (7 \times (7 + 7) \times (77 + 7))$
:= $((8 + 8) \times (8 \times 8 \times 8 + 8)) - 88 / 8$
:= $9 + ((9 / 9 + 99) \times (((9 + 9) / 9) + 9 \times 9))$
- **8310** := $11^{1+1} + (((1+1)^{1+1+11}) - (1 + 1 + 1))$
:= $22 + (2 \times (2 \times ((2^{22/2} + 22) + 2)))$
:= $3 + (3 \times ((33 \times (3 \times 3^3 + 3)) - 3))$
:= $(4 - 44) / 4 + (4 \times (4 + 4) \times (4^4 + 4))$
:= $(5 + 5 + 5) \times (555 - 5 / 5)$
:= $(66 \times ((66 - 6) + 66)) - 6$
:= $7 / 7 + ((7 \times (7 + 7) \times (77 + 7)) + 77)$
:= $(8 - 88) / 8 + ((8 + 8) \times (8 \times 8 \times 8 + 8))$
:= $99 + (9 \times (9 \times 99 + 9) + 999 / 9)$
- **8311** := $11^{1+1} + ((1+1) \times (((1+1)^{1+1+11}) - 1))$
:= $(22 / 2)^2 + ((2^{22/2+2}) - 2)$
:= $3 + ((3 \times ((33 \times (3 \times 3^3 + 3)) - 3)) + 3 / 3)$
:= $(4 \times (4 + 4) \times (4^4 + 4)) - (4 / 4 + 4 + 4)$
:= $5 + (((5 / 5 + 5)^5 - 5 \times 5) + 555)$
:= $6 / 6 + ((66 \times ((66 - 6) + 66)) - 6)$
:= $77 + ((7 \times (7 + 7) \times (77 + 7)) + ((7 + 7) / 7))$
:= $((8 + 8) \times (8 \times 8 \times 8 + 8)) - (8 / 8 + 8)$
:= $9 + (((99 / 9) + 9 \times 9)^{(9+9)/9}) - 9 \times (9 + 9)$
- **8312** := $11^{1+1} + (((1+1)^{1+1+11}) - 1)$
:= $2 \times (((2 \times 22)^2 - 2) + 2222)$
:= $(3 \times (33 \times (3 \times 3^3 + 3))) - (3 / 3 + 3)$
:= $(4 + 4) \times (4 \times (4^4 + 4) - 4 / 4)$
:= $(5 + 5) / 5 + ((5 + 5 + 5) \times (555 - 5 / 5))$
:= $(6 + 6) / 6 + ((66 \times ((66 - 6) + 66)) - 6)$
:= $7 + ((7777 - (77 / 7)) + 7 \times 77)$
:= $((8 + 8) \times (8 \times 8 \times 8 + 8)) - 8$
:= $(9 - 9 / 9) \times ((9999 / 9 - 9 \times 9) + 9)$

$$\begin{aligned}
\blacktriangleright 8313 &:= 11^{1+1} + ((1+1)^{1+1+11}) \\
&:= (22/2)^2 + (2^{22/2+2}) \\
&:= 3 \times ((33/3+3)^3 + 3^3) \\
&:= 4 + ((4 \times (4+4) \times (4^4+4)) - 44/4) \\
&:= ((5+5+5) \times 555) - (55+5)/5 \\
&:= 6 + (((66-6/6)+6) \times (666/6+6)) \\
&:= 7 \times 77 + (7777 - ((7+7+7)/7)) \\
&:= 8/8 + (((8+8) \times (8 \times 8 \times 8+8)) - 8) \\
&:= (9 \times 9 - 9) \times (99+9+9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8314 &:= 1 + (11^{1+1} + ((1+1)^{1+1+11})) \\
&:= (22 \times ((22-2)^2 - 22)) - 2 \\
&:= 3/3 + (3 \times ((33/3+3)^3 + 3^3)) \\
&:= (4 \times (4+4) \times (4^4+4)) - ((4+4)/4+4) \\
&:= ((5+5+5) \times 555) - 55/5 \\
&:= (66 \times ((66-6)+66)) - (6+6)/6 \\
&:= 7 \times 77 + (7777 - ((7+7)/7)) \\
&:= (8+8)/8 + (((8+8) \times (8 \times 8 \times 8+8)) - 8) \\
&:= 9 \times 9 \times (9 \times 9+9) + (((9+9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8315 &:= 1 + (1 + (11^{1+1} + ((1+1)^{1+1+11}))) \\
&:= 2 + ((2^{22/2+2}) + (22/2)^2) \\
&:= (3 \times (33 \times (3 \times 3^3 + 3))) - 3/3 \\
&:= (4 \times (4+4) \times (4^4+4)) - 4/4 - 4 \\
&:= ((5+5+5) \times 555) - 5 - 5 \\
&:= (66 \times ((66-6)+66)) - 6/6 \\
&:= 7 \times 77 + (7777 - 7/7) \\
&:= 88/8 + ((8+8) \times ((8 \times 8 \times 8 - 8/8) + 8)) \\
&:= (99 \times (((9+9+9)/9) + 9 \times 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8316 &:= 1 + (1 + (1 + (11^{1+1} + ((1+1)^{1+1+11})))) \\
&:= 22 \times ((22-2)^2 - 22) \\
&:= 3 \times (33 \times (3 \times 3^3 + 3)) \\
&:= (4 \times (4+4) \times (4^4+4)) - 4 \\
&:= 5/5 + (((5+5+5) \times 555) - (5+5)) \\
&:= 66 \times ((66-6)+66) \\
&:= 7 \times 77 + 7777 \\
&:= ((88+8)/8) \times (8 \times 88 - (88/8)) \\
&:= 99 \times (((9+9+9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8317 &:= 11^{1+1} + ((1+1) \times (1 + (1 + ((1+1)^{1+1+11})))) \\
&:= 2/2 + (22 \times ((22-2)^2 - 22)) \\
&:= 3/3 + (3 \times (33 \times (3 \times 3^3 + 3))) \\
&:= 4/4 + ((4 \times (4+4) \times (4^4+4)) - 4) \\
&:= 5 \times 5 \times 5 + ((5+5)/5)^{(55+5+5)/5} \\
&:= 6/6 + (66 \times ((66-6)+66)) \\
&:= 7/7 + (7777 + 7 \times 77) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8+8)) - (88/8)) \\
&:= 9/9 + (99 \times (((9+9+9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8318 &:= 1 + (11^{1+1} + ((1+1) \times (1 + (1 + ((1+1)^{1+1+11})))))) \\
&:= 2 + (22 \times ((22-2)^2 - 22)) \\
&:= 3 + ((3 \times (33 \times (3 \times 3^3 + 3))) - 3/3) \\
&:= (4 \times (4+4) \times (4^4+4)) - (4+4)/4 \\
&:= ((5+5+5) \times 555) - ((5+5)/5+5) \\
&:= (6+6)/6 + (66 \times ((66-6)+66)) \\
&:= 7 \times 77 + (7777 + ((7+7)/7)) \\
&:= ((8+8) \times (8 \times 8 \times 8+8)) - (8+8)/8 \\
&:= 9 + (((9/9+99) \times (((9+9)/9) + 9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8319 &:= (1+1+1) \times (111 + ((1+1) \times 11^{1+1+1})) \\
&:= 2 + ((22 \times ((22-2)^2 - 22)) + 2/2) \\
&:= 3 + (3 \times (33 \times (3 \times 3^3 + 3))) \\
&:= (4 \times (4+4) \times (4^4+4)) - 4/4 \\
&:= ((5+5+5) \times 555) - (5/5+5) \\
&:= 666/6 + (6 \times 6 \times (6 \times 6 \times 6+6+6)) \\
&:= ((7+7) \times (7 \times (77+7) + 7)) - 77/7 \\
&:= ((8+8) \times (8 \times 8 \times 8+8)) - 8/8 \\
&:= 9 + ((9 \times (9 \times 99+9) + 999/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8320 &:= (1+1)^{11} + (((1+111)^{1+1})/(1+1)) \\
&:= ((22+2)^2) + (2 \times 2 \times 22)^2 \\
&:= 3 + ((3 \times (33 \times (3 \times 3^3 + 3))) + 3/3) \\
&:= 4 \times (4+4) \times (4^4+4) \\
&:= ((5+5+5) \times 555) - 5 \\
&:= ((6+6)/6)^6 \times (((6+6)/6)^6 + 66) \\
&:= ((7+7)/7)^7 \times (77 - (77+7)/7) \\
&:= (8+8) \times (8 \times 8 \times 8+8) \\
&:= (9/9 - 9 \times 9) \times (9 - ((999+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8321 &:= 1 + ((1+1)^{11} + (((1+111)^{1+1})/(1+1))) \\
&:= 2/2 + ((2 \times 2 \times 22)^2 + ((22+2)^2)) \\
&:= 3 + (((3 \times (33 \times (3 \times 3^3 + 3))) - 3/3) + 3) \\
&:= 4/4 + (4 \times (4+4) \times (4^4+4)) \\
&:= 5/5 + (((5+5+5) \times 555) - 5) \\
&:= 6 + ((66 \times ((66-6)+66)) - 6/6) \\
&:= 7 + ((7777 - ((7+7)/7)) + 7 \times 77) \\
&:= 8/8 + ((8+8) \times (8 \times 8 \times 8+8)) \\
&:= 9 + ((9-9/9) \times ((9999/9 - 9 \times 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8322 &:= (1+1+1) \times ((111 \times (1 + ((1+1) \times (1+11)))) - 1) \\
&:= 222 + ((2 \times 2 \times 22 + 2)^2) \\
&:= 3 + ((3 \times (33 \times (3 \times 3^3 + 3))) + 3) \\
&:= (4+4)/4 + (4 \times (4+4) \times (4^4+4)) \\
&:= (5+5)/5 + (((5+5+5) \times 555) - 5) \\
&:= 6 + (66 \times ((66-6)+66)) \\
&:= 7 + ((7777 - 7/7) + 7 \times 77) \\
&:= (8+8)/8 + ((8+8) \times (8 \times 8 \times 8+8)) \\
&:= 9 + ((9 \times 9 - 9) \times (99+9+9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8323 &:= (11 \times (1+11)) + (((1+1)^{1+1+11}) - 1) \\
&:= 2/2 + (((2 \times 2 \times 22 + 2)^2) + 222) \\
&:= 3 + (((3 \times (33 \times (3 \times 3^3 + 3))) + 3/3) + 3) \\
&:= 4 + ((4 \times (4+4) \times (4^4+4)) - 4/4) \\
&:= ((5+5+5) \times 555) - (5+5)/5 \\
&:= 6 + ((66 \times ((66-6)+66)) + 6/6) \\
&:= 7 + (7777 + 7 \times 77) \\
&:= 88/8 + (((8+8) \times (8 \times 8 \times 8+8)) - 8) \\
&:= (9 - (9+9)/9) \times (((99 \times (99+9)) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8324 &:= (11 \times (1+11)) + ((1+1)^{1+1+11}) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) + 222) \\
&:= (3 \times ((33 \times (3 \times 3^3 + 3)) + 3)) - 3/3 \\
&:= 4 + (4 \times (4+4) \times (4^4+4)) \\
&:= ((5+5+5) \times 555) - 5/5 \\
&:= ((6+6)/6) \times (((6+6)/6)^{6+6} + 66) \\
&:= 7 + ((7777 + 7 \times 77) + 7/7) \\
&:= 8 \times 8/(8+8) + ((8+8) \times (8 \times 8 \times 8+8)) \\
&:= 9 + ((99 \times (((9+9+9)/9) + 9 \times 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8325 &:= 1 + ((11 \times (1+11)) + ((1+1)^{1+1+11})) \\
&:= 22 + ((2^{22/2+2}) + 222/2) \\
&:= 3 \times ((33 \times (3 \times 3^3 + 3)) + 3) \\
&:= 4 + ((4 \times (4+4) \times (4^4+4)) + 4/4) \\
&:= (5+5+5) \times 555 \\
&:= 666/6 \times (666/6 - 6 \times 6) \\
&:= 777/7 \times (77 - (7+7)/7) \\
&:= 888/8 \times (88/8 + 8 \times 8) \\
&:= 9 + (99 \times (((9+9+9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8326 &:= 1 + (1 + ((11 \times (1+11)) + ((1+1)^{1+1+11}))) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) + 222) + 2 \\
&:= 3/3 + (3 \times ((33 \times (3 \times 3^3 + 3)) + 3)) \\
&:= 4 + ((4 \times (4+4) \times (4^4+4)) + (4+4)/4) \\
&:= 5/5 + ((5+5+5) \times 555) \\
&:= 6 + (((6+6)/6)^6 \times (((6+6)/6)^6 + 66)) \\
&:= 7 + (((7+7) \times (7 \times (77+7) + 7)) - (77/7)) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8+8)) - ((8+8)/8)) \\
&:= 9 + ((99 \times (((9+9+9)/9) + 9 \times 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8327 &:= 111 + ((1+1) \times (1 + (11 + ((1+1)^{1+1+11})))) \\
&:= 22/2 + (22 \times ((22-2)^2 - 22)) \\
&:= 33/3 + (3 \times (33 \times (3 \times 3^3 + 3))) \\
&:= 4 + (((4 \times (4+4) \times (4^4+4)) - 4/4) + 4) \\
&:= (5+5)/5 + ((5+5+5) \times 555) \\
&:= 66/6 + (66 \times ((66-6)+66)) \\
&:= 7 \times 77 + (7777 + (77/7)) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8+8)) - 8/8) \\
&:= 99/9 + (99 \times (((9+9+9)/9) + 9 \times 9))
\end{aligned}$$

- 8328 := $(1+1+1) \times (1+(111 \times (1+((1+1) \times (1+11))))$
:= $2 \times ((2 \times 22 + 2)^2 + 2^{22/2})$
:= $3 + (3 \times ((33 \times (3 \times 3^3 + 3)) + 3))$
:= $4 + ((4 \times (4+4) \times (4^4 + 4)) + 4)$
:= $5 + (((5+5+5) \times 555) - ((5+5)/5))$
:= $6 + ((66 \times ((66-6) + 66)) + 6)$
:= $((7+7) \times (7 \times (77+7) + 7)) - (7+7)/7$
:= $8 + ((8+8) \times (8 \times 8 \times 8 + 8))$
:= $999/9 + (99 \times ((9+9)/9) + 9 \times 9)$
- 8329 := $1 + ((1+1+1) \times (1+(111 \times (1+((1+1) \times (1+11))))$
:= $2 + ((22 \times ((22-2)^2 - 22)) + 22/2)$
:= $3 + ((3 \times ((33 \times (3 \times 3^3 + 3)) + 3)) + 3/3)$
:= $4 + (((4 \times (4+4) \times (4^4 + 4)) + 4/4) + 4)$
:= $5 + (((5+5+5) \times 555) - 5/5)$
:= $6 + (((66 \times ((66-6) + 66)) + 6/6) + 6)$
:= $((7+7) \times (7 \times (77+7) + 7)) - 7/7$
:= $8 + (((8+8) \times (8 \times 8 \times 8 + 8)) + 8/8)$
:= $9 + (9 \times (9 \times (9 \times 9 + 9) - 9) + 9999/9)$
- 8330 := $(1+(1+1+11)) \times (111 + ((11+11)^{1+1}))$
:= $2 + (2 \times ((2 \times 22 + 2)^2 + 2^{22/2}))$
:= $333 + (((33/3 + 3 \times 3)^3) - 3)$
:= $(44-4)/4 + (4 \times (4+4) \times (4^4 + 4))$
:= $5 + ((5+5+5) \times 555)$
:= $6 + (((6+6)/6) \times (((6+6)/6)^{6+6} + 66))$
:= $(7+7) \times (7 \times (77+7) + 7)$
:= $8 + (((8+8) \times (8 \times 8 \times 8 + 8)) + ((8+8)/8))$
:= $(99-9/9) \times (((9 \times 9-9)/(9+9)) + 9 \times 9)$
- 8331 := $11 + ((1+1)^{11} + (((1+111)^{1+1})/(1+1)))$
:= $22/2 + ((2 \times 2 \times 22)^2 + ((22+2)^2))$
:= $3 \times ((33/3 + 3)^3 + 33)$
:= $44/4 + (4 \times (4+4) \times (4^4 + 4))$
:= $555 + (5/5 + 5)^5$
:= $6 + (666/6 \times (666/6 - 6 \times 6))$
:= $7/7 + ((7+7) \times (7 \times (77+7) + 7))$
:= $88/8 + ((8+8) \times (8 \times 8 \times 8 + 8))$
:= $9 \times (999 - 9 \times 9 + 9) - (99+9)/9$
- 8332 := $((1111 \times (1+1+1+1+11)) - 1)/(1+1)$
:= $2 \times (((2 \times 22 + 2)^2 + 2^{22/2}) + 2)$
:= $3/3 + (3 \times ((33/3 + 3)^3 + 33))$
:= $(4 \times ((4+4) \times (4^4 + 4) + 4)) - 4$
:= $5/5 + ((5/5 + 5)^5 + 555)$
:= $(6^{6-6/6}) + (6666 + 6)/(6+6)$
:= $7 + (777/7 \times (77 - (7+7)/7))$
:= $((88+8)/8) + ((8+8) \times (8 \times 8 \times 8 + 8))$
:= $9 \times (999 - 9 \times 9 + 9) - 99/9$
- 8333 := $((1+1+1) \times 11111) - 1)/(1+1+1+1)$
:= $22 + (((2^{22/2+2}) - 2) + (22/2)^2)$
:= $333 + ((33/3 + 3 \times 3)^3)$
:= $4/4 + ((4 \times ((4+4) \times (4^4 + 4) + 4)) - 4)$
:= $555 + ((5/5 + 5)^5 + ((5+5)/5))$
:= $6 + ((66 \times ((66-6) + 66)) + (66/6))$
:= $7777 + ((7777+7)/(7+7))$
:= $8 + (888/8 \times (88/8 + 8 \times 8))$
:= $9 \times (999 - 9 \times 9 + 9) - 9/9 - 9$
- 8334 := $(1+1+1) \times ((1+11111)/(1+1+1+1))$
:= $(2 \times 22)^2 + (((2 \times 2 \times (22-2))^2) - 2)$
:= $3 + (3 \times ((33/3 + 3)^3 + 33))$
:= $(4 \times ((4+4) \times (4^4 + 4) + 4)) - (4+4)/4$
:= $5 + (((5+5+5) \times 555) - 5/5) + 5$
:= $6 + (((66 \times ((66-6) + 66)) + 6) + 6)$
:= $7 + ((7777 + (77/7)) + 7 \times 77)$
:= $8 + (((8+8) \times (8 \times 8 \times 8 + 8)) - ((8+8)/8) + 8)$
:= $9 \times (999 - 9 \times 9 + 9) - 9$
- 8335 := $(1+11)^{1+1} + (((1+1)^{1+1+11}) - 1)$
:= $22 + ((2^{22/2+2}) + (22/2)^2)$
:= $3 + ((3 \times ((33/3 + 3)^3 + 33)) + 3/3)$
:= $(4 \times ((4+4) \times (4^4 + 4) + 4)) - 4/4$
:= $5 + (((5+5+5) \times 555) + 5)$
:= $6 + (((66 \times ((66-6) + 66)) + 6/6) + 6) + 6$
:= $7 + (((7+7) \times (7 \times (77+7) + 7)) - ((7+7)/7))$
:= $8 + (((8+8) \times (8 \times 8 \times 8 + 8)) - 8/8) + 8$
:= $9/9 + (9 \times (999 - 9 \times 9 + 9) - 9)$
- 8336 := $(1+11)^{1+1} + ((1+1)^{1+1+11})$
:= $2 \times (2 \times ((2 \times (22-2))^2 + 22^2))$
:= $3 + (((33/3 + 3 \times 3)^3) + 333)$
:= $4 \times ((4+4) \times (4^4 + 4) + 4)$
:= $5 + ((5/5 + 5)^5 + 555)$
:= $((6+6)/6) \times (((6+6)/6)^{6+6} + 66) + 6$
:= $7 + (((7+7) \times (7 \times (77+7) + 7)) - 7/7)$
:= $8 + (((8+8) \times (8 \times 8 \times 8 + 8)) + 8)$
:= $((9 - (9+9)/9) + 9) \times (((9+9)/9)^9 + 9)$
- 8337 := $1 + ((1+11)^{1+1} + ((1+1)^{1+1+11}))$
:= $(2/2 - 22) \times ((2/2 - (22-2)^2) + 2)$
:= $3 + ((3 \times ((33/3 + 3)^3 + 33)) + 3)$
:= $4/4 + (4 \times ((4+4) \times (4^4 + 4) + 4))$
:= $5 + (((5/5 + 5)^5 + 555) + 5/5)$
:= $(6/6 + 6) \times ((6 \times 6 \times 66 + 6)/(6+6)/6)$
:= $7 + ((7+7) \times (7 \times (77+7) + 7))$
:= $88 \times (88 + 8) - 888/8$
:= $9 + (99 \times (((9+9)/9) + 9 \times 9)) + 999/9$
- 8338 := $1 + (1 + ((1+11)^{1+1} + ((1+1)^{1+1+11})))$
:= $22 + (22 \times ((22-2)^2 - 22))$
:= $33/3 \times (((3^{3+3} - 3/3) + 3^3) + 3)$
:= $(4+4)/4 + (4 \times ((4+4) \times (4^4 + 4) + 4))$
:= $5 + (((5/5 + 5)^5 + ((5+5)/5)) + 555)$
:= $6 + ((6666 + 6)/(6+6) + (6^{6-6/6}))$
:= $7 + (((7+7) \times (7 \times (77+7) + 7)) + 7/7)$
:= $((8 - 888)/8) + 88 \times (88 + 8)$
:= $99/9 \times (((9 \times 9 \times 9 + (99/9)) + 9) + 9)$
- 8339 := $1 + (1 + (1 + ((1+11)^{1+1} + ((1+1)^{1+1+11}))))$
:= $2 + ((2/2 - 22) \times ((2/2 - (22-2)^2) + 2))$
:= $3 + (((33/3 + 3 \times 3)^3) + 333) + 3$
:= $4 + ((4 \times ((4+4) \times (4^4 + 4) + 4)) - 4/4)$
:= $((5+5+5) \times (555 + 5/5)) - 5/5$
:= $66666/6 - (66 \times (6 \times 6 + 6))$
:= $7 + ((777/7 \times (77 - (7+7)/7)) + 7)$
:= $8 + (((8+8) \times (8 \times 8 \times 8 + 8)) + (88/8))$
:= $9 + ((99 - 9/9) \times (((9 \times 9 - 9)/(9+9)) + 9 \times 9))$
- 8340 := $(1+1+1+1+11) \times ((1+1111)/(1+1))$
:= $2 + ((22 \times ((22-2)^2 - 22)) + 22)$
:= $3 \times (((33/3 + 3)^3 + 33) + 3)$
:= $4 + (4 \times ((4+4) \times (4^4 + 4) + 4))$
:= $(5+5+5) \times (555 + 5/5)$
:= $(6+6) \times ((666 - 6/6 - 6) + 6 \times 6)$
:= $((77-7)/7) + ((7+7) \times (7 \times (77+7) + 7))$
:= $((88+8)/8) \times (8 \times 88 - (8/8+8))$
:= $9 \times (999 - 9 \times 9 + 9) - (9+9+9)/9$
- 8341 := $1 + ((1+1+1+1+11) \times ((1+1111)/(1+1)))$
:= $(22^2 - 2)/2 + ((2 \times 2 \times 22 + 2)^2)$
:= $3/3 + (3 \times (((33/3 + 3)^3 + 33) + 3))$
:= $4 + ((4 \times ((4+4) \times (4^4 + 4) + 4)) + 4/4)$
:= $5 + (((5/5 + 5)^5 + 555) + 5)$
:= $6 \times 666 + (66 \times 66 - (66/6))$
:= $77/7 + ((7+7) \times (7 \times (77+7) + 7))$
:= $((88+8) \times (88 - 8/8)) - 88/8$
:= $9 \times (999 - 9 \times 9 + 9) - (9+9)/9$
- 8342 := $1 + (1 + ((1+1+1+1+11) \times ((1+1111)/(1+1))))$
:= $22^2/2 + ((2 \times 2 \times 22 + 2)^2)$
:= $(3^3 \times ((3 \times (3 \times 33 + 3)) + 3)) - 3/3$
:= $4 + ((4 \times ((4+4) \times (4^4 + 4) + 4)) + (4+4)/4)$
:= $555 + ((5/5 + 5)^5 + (55/5))$
:= $6 + (((6+6)/6)^{6/6+6+6}) + (6+6) \times (6+6)$
:= $(77+7)/7 + ((7+7) \times (7 \times (77+7) + 7))$
:= $((8/8 + 88) + 8) \times (88 - ((8+8)/8))$
:= $9 \times (999 - 9 \times 9 + 9) - 9/9$

- ▶ 8343 := $111 + ((1+1) \times ((1+1) \times (11 + ((1+1)^{11} - 1))))$
:= $((2 \times (2 \times 22 + 2))^2) - (22/2)^2$
:= $3^3 \times ((3 \times (3 \times 33 + 3)) + 3)$
:= $(4 - 4/4)^4 \times (444/4 - (4+4))$
:= $555 + ((5/5 + 5)^5 + ((55 + 5)/5))$
:= $(6 \times 6 \times 6 \times (6 \times 6 + 6)) - ((6 \times 6)/(6+6))^6$
:= $777/7 + (7 \times (7+7) \times (77+7))$
:= $88 + ((8 \times (8 \times 8 \times (8+8) + 8)) - 8/8)$
:= $9 \times (999 - 9 \times 9 + 9)$
- ▶ 8344 := $((1+1)^{11} + ((11^{1+1+1+1}) - 1))/(1+1)$
:= $(22^{2/2+2}) - ((2 \times (22+2))^2)$
:= $3/3 + (3^3 \times ((3 \times (3 \times 33 + 3)) + 3))$
:= $4 + ((4 \times ((4+4) \times (4^4 + 4) + 4)) + 4)$
:= $(55 + 5/5) \times (5 \times (5 \times 5 + 5) - 5/5)$
:= $(6/6 + 6) \times (((66 \times (6+6+6)) - ((6+6)/6)) + 6)$
:= $7 + (((7+7) \times (7 \times (77+7) + 7)) + 7)$
:= $88 + (8 \times (8 \times 8 \times (8+8) + 8))$
:= $9/9 + 9 \times (999 - 9 \times 9 + 9)$
- ▶ 8345 := $(1 + ((1+1)^{11} + (11^{1+1+1+1}))) / (1+1)$
:= $2 + (((2 \times (2 \times 22 + 2))^2) - (22/2)^2)$
:= $3 + (3^3 \times ((3 \times (3 \times 33 + 3)) + 3)) - 3/3$
:= $4 + (((4 \times ((4+4) \times (4^4 + 4) + 4)) + 4/4) + 4)$
:= $5 + ((5+5+5) \times (555 + 5/5))$
:= $6 \times 666 + (66 \times 66 - (6/6 + 6))$
:= $7 + (((7+7) \times (7 \times (77+7) + 7)) + 7/7 + 7)$
:= $8 + (88 \times (88+8) - 888/8)$
:= $(9+9)/9 + 9 \times (999 - 9 \times 9 + 9)$
- ▶ 8346 := $(1+1+1) \times ((11 \times (11 \times (1 + (11+1)))) - 1)$
:= $2 + ((22^{2/2+2}) - ((2 \times (22+2))^2))$
:= $3 + (3^3 \times ((3 \times (3 \times 33 + 3)) + 3))$
:= $(4+4)/4 \times (((4 - 4/4)^4 - 4) + (4+4)^4)$
:= $5^5/5 + ((5/5 + 5)^5 - 55)$
:= $6 \times 666 + (66 \times 66 - 6)$
:= $77 + (((7+7)/7)^{7-7/7+7}) + 77$
:= $8 + (((8 - 888)/8) + 88 \times (88+8))$
:= $((9+9+9)/9) + 9 \times (999 - 9 \times 9 + 9)$
- ▶ 8347 := $11 + ((1+11)^{1+1} + ((1+1)^{1+1+1}))$
:= $2 + (((2 \times (2 \times 22 + 2))^2) - (22/2)^2) + 2$
:= $3 + (3^3 \times ((3 \times (3 \times 33 + 3)) + 3)) + 3/3$
:= $44/4 + (4 \times ((4+4) \times (4^4 + 4) + 4))$
:= $(5^5 + 5)/5 + ((5/5 + 5)^5 - 55)$
:= $6/6 + ((6 \times 666 - 6) + 66 \times 66)$
:= $((77 - 7)/7 + 7) \times (7 \times (77 - 7) + 7/7)$
:= $8 + (((8+8) \times (8 \times 8 \times 8 + 8)) + (88/8) + 8)$
:= $9 + ((99/9) \times (((9 \times 9 \times 9 + (99/9)) + 9) + 9))$
- ▶ 8348 := $((1+1)^{1+1+1+1}) + ((1+11) \times (1+1+11))$
:= $2 \times ((2 \times (2^{22/2} + 2 \times (22 - 2))) - 2)$
:= $33 + ((3 \times (33 \times (3 \times 3^3 + 3))) - 3/3)$
:= $((4+4) \times (4 \times (4^4 + 4) + 4)) - 4$
:= $5 \times 5 + (((5+5+5) \times 555) - ((5+5)/5))$
:= $(6+6)/6 + ((6 \times 666 - 6) + 66 \times 66)$
:= $7 + (((7+7) \times (7 \times (77+7) + 7)) + (77/7))$
:= $8 + (((88+8)/8) \times (8 \times 88 - (8/8 + 8)))$
:= $((9 \times 9 + 9)/(9+9)) + 9 \times (999 - 9 \times 9 + 9)$
- ▶ 8349 := $11 \times (11 \times ((1+1+1) \times (1 + (11+1))))$
:= $(2/2 + 2) \times ((22 + 2/2) \times (22/2)^2)$
:= $33 + (3 \times (33 \times (3 \times 3^3 + 3)))$
:= $4/4 + (((4+4) \times (4 \times (4^4 + 4) + 4)) - 4)$
:= $5 \times 5 + (((5+5+5) \times 555) - 5/5)$
:= $66/6 \times (((6 \times 6/(6+6))^6 - 6) + 6 \times 6)$
:= $77/7 \times (777 - (77/7 + 7))$
:= $88/8 \times (8 \times (88+8) - (8/8 + 8))$
:= $99/9 \times (9 \times (9 \times 9 - 9) + 999/9)$
- ▶ 8350 := $1 + (11 \times (11 \times ((1+1+1) \times (1 + (11+1))))$
:= $((2 \times (22+2)) + 2) \times (((22/2 + 2)^2) - 2)$
:= $((3/3 - 3) + 3^3) \times (333 + 3/3)$
:= $((4+4) \times (4 \times (4^4 + 4) + 4)) - (4+4)/4$
:= $5 \times 5 + ((5+5+5) \times 555)$
:= $6 \times 666 + (66 \times 66 - ((6+6)/6))$
:= $7 + ((7 \times (7+7) \times (77+7)) + 777/7)$
:= $((88+8) \times (88 - 8/8)) - (8+8)/8$
:= $9 + (9 \times (999 - 9 \times 9 + 9) - ((9+9)/9))$
- ▶ 8351 := $1 + (1 + (11 \times (11 \times ((1+1+1) \times (1 + (11+1))))$
:= $((2 \times (2 \times 22 + 2))^2) - (22/2 + 2)$
:= $((3 \times 3 + 3) \times (3^{3+3} - 33)) - 3/3$
:= $((4+4) \times (4 \times (4^4 + 4) + 4)) - 4/4$
:= $5 + (((5/5 + 5)^5 - 55) + 5^5/5)$
:= $6 \times 666 + (66 \times 66 - 6/6)$
:= $7 + (((7+7) \times (7 \times (77+7) + 7)) + 7) + 7$
:= $((88+8) \times (88 - 8/8)) - 8/8$
:= $9 + (9 \times (999 - 9 \times 9 + 9) - 9/9)$
- ▶ 8352 := $(1+1+1) \times (1 + (11 \times (11 \times (1 + (11+1))))$
:= $2 \times (2 \times (2^{22/2} + 2 \times (22 - 2)))$
:= $(3 \times 3 + 3) \times (3^{3+3} - 33)$
:= $(4+4) \times (4 \times (4^4 + 4) + 4)$
:= $5 + (((5/5 + 5)^5 - 55) + (5^5 + 5)/5)$
:= $(6+6) \times ((666 - 6) + 6 \times 6)$
:= $(7 \times 7 - 7/7) \times ((7 \times (7+7) - 7/7) + 77)$
:= $(88+8) \times (88 - 8/8)$
:= $9 + 9 \times (999 - 9 \times 9 + 9)$
- ▶ 8353 := $((11 + (11 - 1 - 1)^{1+1})^{1+1}) - 111$
:= $((2 \times (2 \times 22 + 2))^2) - 222/2$
:= $3/3 + ((3 \times 3 + 3) \times (3^{3+3} - 33))$
:= $4/4 + ((4+4) \times (4 \times (4^4 + 4) + 4))$
:= $55 + ((5+5)/5 \times ((5 - 5/5)^5 + 5^5))$
:= $6/6 + (6 \times 666 + 66 \times 66)$
:= $((7/7 - 77) \times ((7 - 777)/7)) - 7$
:= $8/8 + ((88+8) \times (88 - 8/8))$
:= $9 + (9 \times (999 - 9 \times 9 + 9) + 9/9)$
- ▶ 8354 := $(1+1) \times (((1+1)^{1+1+1}) + (11 - 1 - 1)^{1+1})$
:= $2 + (2 \times (2 \times (2^{22/2} + 2 \times (22 - 2))))$
:= $3 + (((3 \times 3 + 3) \times (3^{3+3} - 33)) - 3/3)$
:= $(4+4)/4 + ((4+4) \times (4 \times (4^4 + 4) + 4))$
:= $5 + (((5+5+5) \times 555) - 5/5) + 5 \times 5$
:= $(6+6)/6 + (6 \times 666 + 66 \times 66)$
:= $7777 + (7 \times (77+7) - (77/7))$
:= $(8+8)/8 + ((88+8) \times (88 - 8/8))$
:= $99/9 + 9 \times (999 - 9 \times 9 + 9)$
- ▶ 8355 := $1 + ((1+1) \times (((1+1)^{1+1+1}) + (11 - 1 - 1)^{1+1}))$
:= $2 + (((2 \times (2 \times 22 + 2))^2) - 222/2)$
:= $3 + ((3 \times 3 + 3) \times (3^{3+3} - 33))$
:= $4 + (((4+4) \times (4 \times (4^4 + 4) + 4)) - 4/4)$
:= $5 + (((5+5+5) \times 555) + 5 \times 5)$
:= $((6+6) \times 666) + 66 \times 66/(6+6)$
:= $(7/7 + 7 + 7) \times ((7 \times 77 + (77/7)) + 7)$
:= $88 + ((8 \times (8 \times 8 \times (8+8) + 8)) + (88/8))$
:= $((9/9 + 9 \times 9) \times (999/9 - 9)) - 9$
- ▶ 8356 := $((1 + (1 + (11 - 1)^{1+1}))^{1+1}) - (1+1)^{11}$
:= $2^{2 \times (2+2)} + ((2 \times 2 \times 22 + 2)^2)$
:= $3 + (((3 \times 3 + 3) \times (3^{3+3} - 33)) + 3/3)$
:= $4 + ((4+4) \times (4 \times (4^4 + 4) + 4))$
:= $5 \times 5 + ((5/5 + 5)^5 + 555)$
:= $6 + ((66 \times 66 - ((6+6)/6)) + 6 \times 666)$
:= $7 + (77/7 \times (777 - (77/7 + 7)))$
:= $8 \times 8/(8+8) + ((88+8) \times (88 - 8/8))$
:= $9 \times (9 \times 99 + 9) + (((9+9)/9)^{9-9/9})$
- ▶ 8357 := $1 + (((1 + (1 + (11 - 1)^{1+1}))^{1+1}) - (1+1)^{11})$
:= $((2/2 - 22) \times (2 - (22 - 2)^2)) - 2/2$
:= $(33/3)^3 + ((33 \times ((3+3)^3 - 3)) - 3)$
:= $4 + (((4+4) \times (4 \times (4^4 + 4) + 4)) + 4/4)$
:= $((5+5)/5)^5 + ((5+5+5) \times 555)$
:= $6 + ((6 \times 666 - 6/6) + 66 \times 66)$
:= $77 + ((7 \times ((7+7) \times (77+7) + 7)) - 7/7)$
:= $8 + (88/8 \times (8 \times (88+8) - (8/8 + 8)))$
:= $((9+9) \times (9 - 9 \times (9+9))) + (99999/9)$

- 8358 := $(1+1) \times (((1+111)^{1+1}) - 1)/(1+1+1) - (1+1)$
:= $(2/2 - 22) \times (2 - (22 - 2)^2)$
:= $3 + (((3 \times 3 + 3) \times (3^{3+3} - 33)) + 3)$
:= $4 + (((4+4) \times (4 \times (4^4 + 4) + 4)) + (4+4)/4)$
:= $(5 - (5+5)/5) \times (5 \times 555 + (55/5))$
:= $6 + (6 \times 666 + 66 \times 66)$
:= $77 + (7 \times ((7+7) \times (77+7) + 7))$
:= $88 \times (88+8) - ((8+8)/8 + 88)$
:= $9 + ((99/9) \times (9 \times (9 \times 9 - 9) + 999/9))$
- 8359 := $((1+1) \times ((1+111)^{1+1}) - 11)/(1+1+1)$
:= $2/2 + ((2/2 - 22) \times (2 - (22 - 2)^2))$
:= $3 + (((3 \times 3 + 3) \times (3^{3+3} - 33)) + 3/3 + 3)$
:= $4 + (((4+4) \times (4 \times (4^4 + 4) + 4)) - 4/4 + 4)$
:= $(55 \times (5 \times (5 \times 5 + 5) + ((5+5)/5))) - 5/5$
:= $6 + ((6 \times 666 + 66 \times 66) + 6/6)$
:= $((77 - 7/7) \times 777/7) - 77$
:= $88 \times (88+8) - (8/8 + 88)$
:= $99 + (9 \times (999 - 9 \times 9) - ((9+9)/9))$
- 8360 := $(1+1) \times ((111 - 1) \times (1 + (111/(1+1+1))))$
:= $22 \times (((22 - 2)^2 - 22) + 2)$
:= $(33/3)^3 + (33 \times ((3+3)^3 - 3))$
:= $4 + (((4+4) \times (4 \times (4^4 + 4) + 4)) + 4)$
:= $55 \times (5 \times (5 \times 5 + 5) + ((5+5)/5))$
:= $((6+6)/6 + 6) \times ((6666/6) - 66)$
:= $(7/7 - 77) \times ((7 - 777)/7)$
:= $88 \times (88 - 8/8 + 8)$
:= $99 + (9 \times (999 - 9 \times 9) - 9/9)$
- 8361 := $(1+1+11)^{1+1} + ((1+1)^{1+1+11})$
:= $((22/2 + 2)^2) + (2^{22/2+2})$
:= $3 \times ((3^3 \times (3 \times 33 + 3)) + 33)$
:= $4 + (((4+4) \times (4 \times (4^4 + 4) + 4)) + 4/4 + 4)$
:= $5 + (((5/5 + 5)^5 + 555) + 5 \times 5)$
:= $6 + (66 \times 66/(6+6) + ((6+6) \times 666))$
:= $7/7 + ((7/7 - 77) \times ((7 - 777)/7))$
:= $8/8 + (88 \times (88 - 8/8 + 8))$
:= $99 + 9 \times (999 - 9 \times 9)$
- 8362 := $(1+1) \times (((1+111)^{1+1}) - 1)/(1+1+1)$
:= $2 + (22 \times (((22 - 2)^2 - 22) + 2))$
:= $3/3 + (3 \times ((3^3 \times (3 \times 33 + 3)) + 33))$
:= $44 + ((4 \times (4+4) \times (4^4 + 4)) - (4+4)/4)$
:= $5 + (((5+5+5) \times 555) + ((5+5)/5)^5)$
:= $(6 \times 6 + 6/6) \times (((66 - 6)/6) + 6 \times 6 \times 6)$
:= $7 + ((7/7 + 7 + 7) \times ((7 \times 77 + (77/7)) + 7))$
:= $(8+8)/8 + (88 \times (88 - 8/8 + 8))$
:= $9/9 + (9 \times (999 - 9 \times 9) + 99)$
- 8363 := $(1 + ((1+1) \times ((1+111)^{1+1}))) / (1+1+1)$
:= $2 + (((22/2 + 2)^2) + (2^{22/2+2}))$
:= $3 + ((33 \times ((3+3)^3 - 3)) + (33/3)^3)$
:= $44 + ((4 \times (4+4) \times (4^4 + 4)) - 4/4)$
:= $555 + ((5/5 + 5)^5 + ((5+5)/5)^5)$
:= $66/6 + (6 \times 666 + 66 \times 66)$
:= $7777 + (7 \times (77+7) - ((7+7)/7))$
:= $88/8 + ((88+8) \times (88 - 8/8))$
:= $9 + (9 \times (999 - 9 \times 9) + (99/9))$
- 8364 := $1 + ((1 + ((1+1) \times ((1+111)^{1+1}))) / (1+1+1))$
:= $2 \times ((2 \times (2^{22/2} + 2 \times 22)) - 2)$
:= $(3/3 + 33) \times (3 \times 3 \times 3^3 + 3)$
:= $44 + (4 \times (4+4) \times (4^4 + 4))$
:= $(5 - 5/5) \times (5^5 - (((5 - 5/5)^5 + 5) + 5))$
:= $6 + ((6 \times 666 + 66 \times 66) + 6)$
:= $7777 + (7 \times (77+7) - 7/7)$
:= $((88+8)/8) \times ((8 \times 88 - 8) + 8/8)$
:= $(9/9 + 9 \times 9) \times (999/9 - 9)$
- 8365 := $1 + (1 + ((1 + ((1+1) \times ((1+111)^{1+1}))) / (1+1+1)))$
:= $2 \times 222 + ((2 \times 2 \times 22 + 2/2)^2)$
:= $3/3 + ((3/3 + 33) \times (3 \times 3 \times 3^3 + 3))$
:= $44 + ((4 \times (4+4) \times (4^4 + 4)) + 4/4)$
:= $5 + (55 \times (5 \times (5 \times 5 + 5) + ((5+5)/5)))$
:= $(6/6 + 6) \times (((66 \times (6+6+6)) + 6/6) + 6)$
:= $7777 + 7 \times (77+7)$
:= $8888 - (8 \times 8 \times 8 + 88/8)$
:= $((99/9) + 9 \times 9)^{(9+9)/9} - 99$
- 8366 := $((1+1) \times 1111) + ((1+1+1) \times (1+1)^{11})$
:= $(2 \times (2 \times (2^{22/2} + 2 \times 22))) - 2$
:= $33 + (((33/3 + 3 \times 3)^3) + 333)$
:= $(4 \times (4^4 \times (4+4) + 44)) - (4+4)/4$
:= $5 + (((5/5 + 5)^5 + 555) + 5 \times 5 + 5)$
:= $6 + (((6+6)/6 + 6) \times ((6666/6) - 66))$
:= $7/7 + (7777 + 7 \times (77+7))$
:= $(8/8 + 88) \times ((88 - ((8+8)/8)) + 8)$
:= $(9 \times (9 \times (99+9+9))) - 9999/9$
- 8367 := $11111 - (1+1+1+11)^{1+1+1}$
:= $(2 \times (2 \times (2^{22/2} + 2 \times 22))) - 2/2$
:= $3 + ((3/3 + 33) \times (3 \times 3 \times 3^3 + 3))$
:= $(4 \times (4^4 \times (4+4) + 44)) - 4/4$
:= $5^5 + (5555 - (5^5 + 5)/(5+5))$
:= $6 + ((66 \times 66/(6+6) + ((6+6) \times 666)) + 6)$
:= $7 + ((7/7 - 77) \times ((7 - 777)/7))$
:= $8 + (88 \times (88+8) - (8/8 + 88))$
:= $(9 \times (9 \times (99+9+9))) + ((9 - 9999)/9)$
- 8368 := $1 + (11111 - (1+1+1+11)^{1+1+1})$
:= $2 \times (2 \times (2^{22/2} + 2 \times 22))$
:= $(33/3 \times ((3^{3+3} - 3/3) + 33)) - 3$
:= $4 \times (4^4 \times (4+4) + 44)$
:= $5^5 + (((5 - 5^5)/(5+5)) + 5555)$
:= $6 + ((6 \times 6 + 6/6) \times (((66 - 6)/6) + 6 \times 6 \times 6))$
:= $((7+7+7) \times 7 \times (7 \times 7 + 7) + 7) - 77/7$
:= $8 + (88 \times (88 - 8/8 + 8))$
:= $9 + ((9 \times (999 - 9 \times 9) - ((9+9)/9)) + 99)$
- 8369 := $((1+1) \times 1111) + ((1+1+1) \times (1 + (1+1)^{11}))$
:= $2/2 + (2 \times (2 \times (2^{22/2} + 2 \times 22)))$
:= $(3 \times (3 + 3) + 3)^3 - ((33 \times 3^3) + 3/3)$
:= $4/4 + (4 \times (4^4 \times (4+4) + 44))$
:= $55 + (((5+5+5) \times 555) - (55/5))$
:= $(6 \times ((6 \times 6/(6+6))^6 + 666)) - 6/6$
:= $77 + ((7 \times ((7+7) \times (77+7) + 7)) + (77/7))$
:= $8 + ((88 \times (88 - 8/8 + 8)) + 8/8)$
:= $((9+9)/9)^9 + (9 \times (9 \times 99 - (9+9)))$
- 8370 := $(1+1) \times (111 + ((1+1) \times ((1+1)^{11} - 11)))$
:= $2 + (2 \times (2 \times (2^{22/2} + 2 \times 22)))$
:= $3 \times ((3^3 + 3) \times (3 \times (3^3 + 3) + 3))$
:= $(4+4)/4 + (4 \times (4^4 \times (4+4) + 44))$
:= $5^5 + (5 \times ((5 - 5/5)^5 + 5 \times 5))$
:= $6 \times (((6 \times 6/(6+6))^6 + 666)$
:= $((7+7)/7)^7 + 7 \times (((7 \times 7 - 7/7) + 7) + 7)$
:= $8 + ((88 \times (88 - 8/8 + 8)) + ((8+8)/8))$
:= $9 + (9 \times (999 - 9 \times 9) + 99)$
- 8371 := $1 + ((1+1) \times (111 + ((1+1) \times ((1+1)^{11} - 11))))$
:= $2 + ((2 \times (2 \times (2^{22/2} + 2 \times 22))) + 2/2)$
:= $33/3 \times ((3^{3+3} - 3/3) + 33)$
:= $4 + ((4 \times (4^4 \times (4+4) + 44)) - 4/4)$
:= $5^5/5 + ((5/5 + 5)^5 - (5 \times 5 + 5))$
:= $6/6 + (6 \times (((6 \times 6/(6+6))^6 + 666))$
:= $7 + ((7777 - 7/7) + 7 \times (77+7))$
:= $88/8 + (88 \times (88 - 8/8 + 8))$
:= $9 + ((9 \times (999 - 9 \times 9) + 99) + 9/9)$
- 8372 := $(1 + (11 + 11)) \times (1 + (11 \times (11 \times (1+1+1))))$
:= $2 \times ((2 \times (2^{22/2} + 2 \times 22)) + 2)$
:= $(3^3 - 3/3) \times (333 - 33/3)$
:= $4 + (4 \times (4^4 \times (4+4) + 44))$
:= $(5^5 + 5)/5 + ((5/5 + 5)^5 - (5 \times 5 + 5))$
:= $6 \times (6 \times 6 - 6) + (((6+6)/6)^{6/6+6+6})$
:= $7 + (7777 + 7 \times (77+7))$
:= $8 + (((88+8)/8) \times ((8 \times 88 - 8) + 8/8))$
:= $((9/9 + 9 \times 9) + 9) \times ((99/9) + 9 \times 9)$

- **8373** := $1 + ((1 + (11 + 11)) \times (1 + (11 \times (11 \times (1 + 1 + 1)))))$
:= $2/2 + (2 \times ((2 \times (2^{22/2} + 2 \times 22)) + 2))$
:= $3 + (3 \times ((3^3 + 3) \times (3 \times (3^3 + 3) + 3)))$
:= $4 + ((4 \times (4^4 \times (4 + 4) + 44)) + 4/4)$
:= $(5 \times ((55 \times (5 \times 5 + 5)) + 5 \times 5)) - (5 + 5)/5$
:= $66 + (((66 - 6/6) + 6) \times (666/6 + 6))$
:= $7 + (7777 + 7 \times (77 + 7)) / 7$
:= $88 \times (88 + 8) - (88/8 + 8 \times 8)$
:= $9 + ((9/9 + 9 \times 9) \times (999/9 - 9))$
- **8374** := $11 + ((1 + ((1 + 1) \times ((1 + 111)^{1+1}))) / (1 + 1 + 1))$
:= $(2 \times (2 \times ((2 \times 22 + 2)^2 - 22))) - 2$
:= $3 + (33/3 \times ((3^{3+3} - 3/3) + 33))$
:= $4 + ((4 \times (4^4 \times (4 + 4) + 44)) + (4 + 4)/4)$
:= $(5 \times ((55 \times (5 \times 5 + 5)) + 5 \times 5)) - 5/5$
:= $666 + ((6^{6-6/6}) - ((6 + 6)/6 + 66))$
:= $7 + (((7/7 - 77) \times ((7 - 777)/7)) + 7)$
:= $8888 - (8 \times 8 \times 8 + (8 + 8)/8)$
:= $9 + (((99/9) + 9 \times 9)^{(9+9)/9}) - 99$
- **8375** := $(1 + 1)^{11} + (111 \times (1 + (1 + 111)/(1 + 1)))$
:= $(2 \times (2 \times ((2 \times 22 + 2)^2 - 22))) - 2/2$
:= $((3/3 + 3)^3 + 3) \times (3 - 3/3 + 3)^3$
:= $4 + (((4 \times (4^4 \times (4 + 4) + 44)) - 4/4) + 4)$
:= $5 \times ((55 \times (5 \times 5 + 5)) + 5 \times 5)$
:= $666 + ((6^{6-6/6}) - (66 + 6/6))$
:= $(77/7 + 7 + 7) \times (7 \times 7 \times 7 - (7/7 + 7))$
:= $8888 - (8 \times 8 \times 8 + 8/8)$
:= $9 + ((9 \times (9 \times (99 + 9 + 9))) - 9999/9)$
- **8376** := $(1 + 11) \times (((1 + 1 + 1) \times (11 + (1 + 1) \times 111)) - 1)$
:= $2 \times (2 \times ((2 \times 22 + 2)^2 - 22))$
:= $33 + (3^3 \times ((3 \times (3 \times 33 + 3)) + 3))$
:= $4 + ((4 \times (4^4 \times (4 + 4) + 44)) + 4)$
:= $5^5/5 + ((5/5 + 5)^5 - 5 \times 5)$
:= $666 + ((6^{6-6/6}) - 66)$
:= $77/7 + (7777 + 7 \times (77 + 7))$
:= $8888 - 8 \times 8 \times 8$
:= $((9 - 9/9) \times 9999/9) - ((9 + 9)/9)^9$
- **8377** := $(1 + (((1 + 1 + 1) \times (111 - 1))^{1+1}) / (1 + 1 + 11))$
:= $2/2 + (2 \times (2 \times ((2 \times 22 + 2)^2 - 22)))$
:= $3 + ((33/3 \times ((3^{3+3} - 3/3) + 33)) + 3)$
:= $4 + (((4 \times (4^4 \times (4 + 4) + 44)) + 4/4) + 4)$
:= $(5^5 + 5)/5 + ((5/5 + 5)^5 - 5 \times 5)$
:= $6/6 + (((6^{6-6/6}) - 66) + 666)$
:= $(7 + 7 + 7) \times (7 \times (7 \times 7 + 7) + 7) - (7 + 7)/7$
:= $8/8 + (8888 - 8 \times 8 \times 8)$
:= $9999 + (((9 + 9) \times (9 - 99)) - ((9 + 9)/9))$
- **8378** := $((1 + 1)^{1+1+11}) + (((1 + 1)^{11} - (1 + 1))/11)$
:= $2 + (2 \times (2 \times ((2 \times 22 + 2)^2 - 22)))$
:= $3 + (((3/3 + 3)^3 + 3) \times (3 - 3/3 + 3)^3)$
:= $(4 + 4)/4 \times ((4444 - 4^4) + 4/4)$
:= $55 + (((5 + 5 + 5) \times 555) - ((5 + 5)/5))$
:= $666 + ((6^{6-6/6}) - ((6 + 6)/6)^6)$
:= $(777/7 + 7) \times ((7/7 - 7) + 77)$
:= $(8 + 8)/8 + (8888 - 8 \times 8 \times 8)$
:= $9 + ((9 \times (9 \times 99 - (9 + 9))) + ((9 + 9)/9)^9)$
- **8379** := $(11 + (11 - 1)) \times (((1 + 1) \times (11 - 1))^{1+1} - 1)$
:= $(2/2 - 22) \times (2/2 - (22 - 2)^2)$
:= $(33 \times ((3^{3+3} + 33)/3)) - 3$
:= $44/4 + (4 \times (4^4 \times (4 + 4) + 44))$
:= $55 + (((5 + 5 + 5) \times 555) - 5/5)$
:= $(6/6 + 6) \times (((6 \times 6 \times 66 + 6)/(6 + 6)/6) + 6)$
:= $(7 + 7 + 7) \times 7 \times (7 \times 7 + 7) + 7$
:= $8 + ((88 \times (88 - 8/8 + 8)) + (88/8))$
:= $9999 + ((9 + 9) \times (9 - 99))$
- **8380** := $(11 - 1) \times ((1 + 1)^{11} - (11 \times (111 - 1)))$
:= $2 \times (2 \times ((2 \times 22 + 2)^2 - 22)) + 2$
:= $3/3 + ((33 \times ((3^{3+3} + 33)/3)) - 3)$
:= $44 + (4 \times ((4 + 4) \times (4^4 + 4) + 4))$
:= $55 + ((5 + 5 + 5) \times 555)$
:= $((6 + 6)/6)^6 + (66 \times ((66 - 6) + 66))$
:= $7/7 + (7 + 7 + 7) \times (7 \times (7 \times 7 + 7) + 7)$
:= $8888 + (8 \times 8/(8 + 8) - 8 \times 8 \times 8)$
:= $99 + (((9/9 + 9 \times 9) + 9)^{(9+9)/9})$
- **8381** := $1 + ((11 - 1) \times ((1 + 1)^{11} - (11 \times (111 - 1))))$
:= $2 + ((2/2 - 22) \times (2/2 - (22 - 2)^2))$
:= $(33 \times ((3^{3+3} + 33)/3)) - 3/3$
:= $44 + ((4 \times ((4 + 4) \times (4^4 + 4) + 4)) + 4/4)$
:= $(5/5 + 5)^5 + (55 \times (55/5))$
:= $66 + ((66 \times ((66 - 6) + 66)) - 6/6)$
:= $(7 + 7)/7 + (7 + 7 + 7) \times (7 \times (7 \times 7 + 7) + 7)$
:= $8 + (88 \times (88 + 8) - (88/8 + 8 \times 8))$
:= $9 + (((9/9 + 9 \times 9) + 9) \times ((99/9) + 9 \times 9))$
- **8382** := $11 \times ((1 + 1 + 1) \times (1 + (11 \times (1 + (11 + 11))))))$
:= $(22/2 + 22) \times (2^{2 \times (2+2)} - 2)$
:= $33 \times ((3^{3+3} + 33)/3)$
:= $((4 + 4)/4 - 4^4) \times (44/4 - 44)$
:= $(5/5 + 5)^5 + ((55 \times 55 + 5)/5)$
:= $66 + (66 \times ((66 - 6) + 66))$
:= $77/7 \times (777 - (7/7 + 7 + 7))$
:= $((8 + 8)/8 + 8 \times 8) \times (8 \times (8 + 8) - 8/8)$
:= $9 + (((9/9 + 9 \times 9) \times (999/9 - 9)) + 9)$
- **8383** := $1 + (11 \times ((1 + 1 + 1) \times (1 + (11 \times (1 + (11 + 11))))))$
:= $((2 \times (2 \times 22 + 2))^2) - (2/2 + 2)^{2+2}$
:= $3/3 + (33 \times ((3^{3+3} + 33)/3))$
:= $((4^4 - 4)/4) + (4 \times (4 + 4) \times (4^4 + 4))$
:= $(5/5 + 5)^5 + (((55 \times 55 + 5) + 5)/5)$
:= $66 + ((66 \times ((66 - 6) + 66)) + 6/6)$
:= $(77 - 7/7 + 7) \times (7777/77)$
:= $88 \times (88 + 8) - (8/8 + 8 \times 8)$
:= $((9 + 9)/9) + 9 \times 9 \times ((9 + 9)/9 + 99)$
- **8384** := $(1 + 1)^{11} + (11 \times (((1 + 1) \times (1 + 11))^{1+1}))$
:= $2 \times (2 \times ((2 \times 22 + 2)^2 - 22) + 2)$
:= $3 + ((33 \times ((3^{3+3} + 33)/3)) - 3/3)$
:= $4 \times ((4^4 \times (4 + 4) + 44) + 4)$
:= $(5 - 5/5) \times (5^5 - ((5 - 5/5)^5 + 5))$
:= $((6 + 6)/6)^6 \times (66 - 6/6 + 66)$
:= $7 + (((7 + 7 + 7) \times 7 \times (7 \times 7 + 7) + 7) - ((7 + 7)/7))$
:= $88 \times (88 + 8) - 8 \times 8$
:= $9 \times 9 \times 99 + ((9 \times 9 \times 9 + 9)/(9 + 9))$
- **8385** := $1 + ((1 + 1)^{11} + (11 \times (((1 + 1) \times (1 + 11))^{1+1})))$
:= $2 + (((2 \times (2 \times 22 + 2))^2) - (2/2 + 2)^{2+2})$
:= $3 + (33 \times ((3^{3+3} + 33)/3))$
:= $4/4 + (4 \times ((4^4 \times (4 + 4) + 44) + 4))$
:= $5 + (((5 + 5 + 5) \times 555) + 55)$
:= $(66 - 6/6) \times (((666/6 + 6) + 6) + 6)$
:= $7 + (777/7 + 7) \times ((7/7 - 7) + 77)$
:= $8/8 + (88 \times (88 + 8) - 8 \times 8)$
:= $9 \times 9 \times (99 + 9) - (99 \times 99/(9 + 9 + 9))$
- **8386** := $(1 + ((1 + 1) \times (1 + 1 + 1))) \times ((11 \times (111 - 1 - 1)) - 1)$
:= $2 + (2 \times (2 \times ((2 \times 22 + 2)^2 - 22) + 2))$
:= $3 + ((33 \times ((3^{3+3} + 33)/3)) + 3/3)$
:= $4 + (((4 + 4)/4 - 4^4) \times (44/4 - 44))$
:= $55 + ((5/5 + 5)^5 + 555)$
:= $6 \times 66 + (((6 + 6) \times 666) - ((6 + 6)/6))$
:= $7 + ((7 + 7 + 7) \times 7 \times (7 \times 7 + 7) + 7)$
:= $(8 + 8)/8 + (88 \times (88 + 8) - 8 \times 8)$
:= $(9 - (9 + 9)/9) \times (((99 \times (99 + 9)) + 9)/9) + 9$
- **8387** := $((1 + 1)^{1+1+11}) + ((1 + 1 + 1 + 11)^{1+1} - 1)$
:= $22/2 + (2 \times (2 \times ((2 \times 22 + 2)^2 - 22)))$
:= $(33/3)^3 + ((3 \times 3^3 + 3)^{3-3/3})$
:= $4 + ((4 \times (4 + 4) \times (4^4 + 4)) + ((4^4 - 4)/4))$
:= $5 + (((55 \times 55 + 5)/5) + (5/5 + 5)^5)$
:= $6 \times 66 + (((6 + 6) \times 666) - 6/6)$
:= $((77 - 7/7) \times 777/7) - 7 \times 7$
:= $88/8 + (8888 - 8 \times 8 \times 8)$
:= $9 + (((9 \times (9 \times 99 - (9 + 9))) + ((9 + 9)/9)^9) + 9)$

$$\begin{aligned}
\blacktriangleright 8388 &:= (1+1+1) \times ((1+11) \times (11+(1+1) \times 111)) \\
&:= (2^{2+2} + 2) \times (2 \times 222 + 22) \\
&:= (3 \times 3 + 3) \times ((3^{3+3} - 33) + 3) \\
&:= 4 + (4 \times ((4^4 \times (4+4) + 44) + 4)) \\
&:= (5/5 + 5) \times (5 \times (5 \times 55 + 5) - ((5+5)/5)) \\
&:= 6 \times ((6 \times (6 \times 6 \times 6 + 6)) + 66) \\
&:= (7+7) \times (7+7) + (((7+7)/7)^{7-7/7+7}) \\
&:= (8/8 + 8) \times ((88/((8+8)/8)) + 888) \\
&:= 9 + (((9+9) \times (9-99)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8393 &:= 1 + ((1+1) \times (111 + (((1+1)^{1+11}) - 11))) \\
&:= (2^{22/2+2}) + (((22-2)^2 + 2)/2) \\
&:= 33/3 \times ((3^{3+3} + 3/3) + 33) \\
&:= 44/4 \times (4 \times 4^4 - ((4/4 + 4^4) + 4)) \\
&:= (5/5 + 5)^5 + ((5^5 + 5 + 5)/5 - (5+5)) \\
&:= 6 + (((6+6) \times 666) - 6/6) + 6 \times 66 \\
&:= 77 \times (77/7 + 7 \times (7+7)) \\
&:= 8 + ((88 \times (88+8) - 8 \times 8) + 8/8) \\
&:= 9 + (((9 \times 9 \times 9 \times 9 + 9)/(9+9)) + 9 \times 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8398 &:= ((1+1) \times 111 - 1) \times (1 + (111/(1+1+1))) \\
&:= ((22-2)^2 \times (22-2/2)) - 2 \\
&:= (3/3 + 33) \times (((3^{3+3} + 3)/3) + 3) \\
&:= ((44/4 + 4) + 4) \times (444 - (4+4)/4) \\
&:= (5/5 + 5)^5 + ((5^5 + 5 + 5)/5 - 5) \\
&:= ((6+6)/6 + 6 \times 6) \times ((6 \times 6 \times 6 - 6/6) + 6) \\
&:= 7 + ((77 \times (77/7 + 7 \times (7+7))) - ((7+7)/7)) \\
&:= 8 + (((8+8)/8) + 8 \times 8) \times (8 \times (8+8) - 8/8) + 8 \\
&:= (9 \times (999 - 9)) - ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8389 &:= 1 + ((1+1+1) \times ((1+11) \times (11+(1+1) \times 111))) \\
&:= ((22-2)^2 \times (22-2/2)) - 22/2 \\
&:= 3/3 + ((3 \times 3 + 3) \times ((3^{3+3} - 33) + 3)) \\
&:= 4 + ((4 \times ((4^4 \times (4+4) + 44) + 4)) + 4/4) \\
&:= (5/5 + 5)^5 + ((5^5 - (55+5))/5) \\
&:= 6/6 + (((6+6) \times 666) + 6 \times 66) \\
&:= 7 + (77/7 \times (777 - (7/7 + 7 + 7))) \\
&:= 8 \times 8 + (888/8 \times (88/8 + 8 \times 8)) \\
&:= (9 \times (999 - 9)) - ((9+9)/9)^9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8394 &:= (1+1) \times (1 + (111 + (((1+1)^{1+11}) - 11))) \\
&:= 2 + (((2^{22/2+2}) - 22) + 222) \\
&:= 3 + (((3+3)^3 \times (33+3+3)) - 33) \\
&:= 44 + (((4+4) \times (4 \times (4^4 + 4) + 4)) - (4+4)/4) \\
&:= (5/5 + 5) \times (5 \times (5 \times 55 + 5) - 5/5) \\
&:= 6 + (((6+6) \times 666) + 6 \times 66) \\
&:= 7/7 + (77 \times (77/7 + 7 \times (7+7))) \\
&:= 8 + ((88 \times (88+8) - 8 \times 8) + ((8+8)/8)) \\
&:= (9 \times (9 \times (99+9) - (9+9+9))) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8399 &:= ((11+(11-1)) \times ((1+1) \times (11-1))^{1+1}) - 1 \\
&:= ((22-2)^2 \times (22-2/2)) - 2/2 \\
&:= (3/3 + 33 + 3) \times ((3+3)^3 + 33/3) \\
&:= (((4+4) + 4) \times (444 + 4^4)) - 4/4 \\
&:= (5/5 + 5)^5 + (5^5 - 5 - 5)/5 \\
&:= (6 \times 6 + 6/6) \times (6 \times 6 \times 6 + 66/6) \\
&:= 7 + ((77 \times (77/7 + 7 \times (7+7))) - 7/7) \\
&:= 8 + ((88 \times (88+8) - (8/8 + 8 \times 8)) + 8) \\
&:= 9/9 + ((9 \times (999 - 9)) - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8390 &:= (1+1) \times (111 + (((1+1)^{1+11}) - (1+11))) \\
&:= 2 + ((2^{22/2+2}) + ((2^{2+2} - 2)^2)) \\
&:= (3 - 3/3) \times ((3/3 + 3)^{3+3} + 3 \times 33) \\
&:= 4 + (((4+4)/4 - 4^4) \times (44/4 - 44)) + 4 \\
&:= (5/5 + 5)^5 + ((5^5 - 55)/5) \\
&:= 6 + (((6+6)/6)^6 \times (66 - 6/6 + 66)) \\
&:= 77/7 + ((7+7+7) \times 7 \times (7 \times 7 + 7) + 7) \\
&:= 8 + (((8+8)/8) + 8 \times 8) \times (8 \times (8+8) - 8/8) \\
&:= (9/9 + 9) \times ((9 \times 9 \times 9 + (99/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8395 &:= 1 + ((1+1) \times (1 + (111 + (((1+1)^{1+11}) - 11)))) \\
&:= 2 + (((22-2)^2 + 2)/2) + (2^{22/2+2}) \\
&:= (((3+3)^3 + 3)/3) \times (((333+3)/3) + 3) \\
&:= 44 + (((4+4) \times (4 \times (4^4 + 4) + 4)) - 4/4) \\
&:= ((5+5+5) \times (555+5)) - 5 \\
&:= 6 + (((6+6) \times 666) + 6 \times 66) + 6/6 \\
&:= (7+7)/7 + (77 \times (77/7 + 7 \times (7+7))) \\
&:= 88/8 + (88 \times (88+8) - 8 \times 8) \\
&:= ((9/9 - 9) + 9 \times 9) \times (((99 - ((9+9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8400 &:= (11 + (11 - 1)) \times ((1+1) \times (11 - 1))^{1+1} \\
&:= (22 - 2)^2 \times (22 - 2/2) \\
&:= (3^3 + 3/3) \times (3 \times 3 \times 33 + 3) \\
&:= ((4+4) + 4) \times (444 + 4^4) \\
&:= (5+5+5) \times (555+5) \\
&:= 6 + (((6+6) \times 666) + 6 \times 66) + 6 \\
&:= 7 + (77 \times (77/7 + 7 \times (7+7))) \\
&:= 8 + ((88 \times (88+8) - 8 \times 8) + 8) \\
&:= (9/9 + 9) \times (999/9 + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8391 &:= ((1+1) \times (111 + (((1+1)^{1+11}) - 11))) - 1 \\
&:= (2^{22/2+2}) + (((22-2)^2 - 2)/2) \\
&:= ((3+3)^3 \times (33+3+3)) - 33 \\
&:= 4 + (((4 \times (4+4) \times (4^4 + 4)) + ((4^4 - 4)/4)) + 4) \\
&:= 5^5/5 + ((5/5 + 5)^5 - (5+5)) \\
&:= 6 + ((66 - 6/6) \times (((666/6 + 6) + 6) + 6)) \\
&:= (77 \times (77/7 + 7 \times (7+7))) - (7+7)/7 \\
&:= 8 + (88 \times (88+8) - (8/8 + 8 \times 8)) \\
&:= ((9/9 + 9) \times (999/9 + 9 \times 9 \times 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8396 &:= (1+1) \times (1 + (1 + (111 + (((1+1)^{1+11}) - 11)))) \\
&:= (2 \times (2 \times (2222 - 2))) - 22^2 \\
&:= 3 + (33/3 \times ((3^{3+3} + 3/3) + 33)) \\
&:= 44 + ((4+4) \times (4 \times (4^4 + 4) + 4)) \\
&:= 5^5/5 + ((5/5 + 5)^5 - 5) \\
&:= 6 + (((6+6)/6)^6 \times (66 - 6/6 + 66)) + 6 \\
&:= 7 + ((77/7 \times (777 - (7/7 + 7 + 7))) + 7) \\
&:= ((88+8)/8) + (88 \times (88+8) - 8 \times 8) \\
&:= 9 \times 9 + ((99 \times ((9+9+9)/9) + 9 \times 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8401 &:= 1 + ((11 + (11 - 1)) \times ((1+1) \times (11 - 1))^{1+1}) \\
&:= 2/2 + ((22 - 2)^2 \times (22 - 2/2)) \\
&:= 3 + ((3/3 + 33) \times (((3^{3+3} + 3)/3) + 3)) \\
&:= 4/4 + (((4+4) + 4) \times (444 + 4^4)) \\
&:= 5^5/5 + (5/5 + 5)^5 \\
&:= (6^{6-6/6}) + ((6 - 6/6)^{6-(6+6)/6}) \\
&:= 7 + ((77 \times (77/7 + 7 \times (7+7))) + 7/7) \\
&:= 8 + (((88 \times (88+8) - 8 \times 8) + 8/8) + 8) \\
&:= 9999/9 + 9 \times 9 \times (9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8392 &:= (1+1) \times (111 + (((1+1)^{1+11}) - 11)) \\
&:= 222 + ((2^{22/2+2}) - 22) \\
&:= 3/3 + (((3+3)^3 \times (33+3+3)) - 33) \\
&:= 4 + ((4 \times ((4^4 \times (4+4) + 44) + 4)) + 4) \\
&:= (5^5 + 5)/5 + ((5/5 + 5)^5 - (5+5)) \\
&:= 6 + (((6+6) \times 666) - ((6+6)/6)) + 6 \times 66 \\
&:= (77 \times (77/7 + 7 \times (7+7))) - 7/7 \\
&:= 8 + (88 \times (88+8) - 8 \times 8) \\
&:= 9 + (((9+9)/9) + 9 \times 9) \times ((9+9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8397 &:= (1+1+1) \times (((1+111) \times (1 + ((1+1) \times (1+11)))) - 1) \\
&:= ((22-2)^2 \times (22-2/2)) - 2/2 - 2 \\
&:= 3 \times ((33 \times (3 \times 3^3 + 3)) + 3^3) \\
&:= 44 + (((4+4) \times (4 \times (4^4 + 4) + 4)) + 4/4) \\
&:= (5^5 + 5)/5 + ((5/5 + 5)^5 - 5) \\
&:= (6+6) \times (666+6) + 666 \times 6/(6+6) \\
&:= (77/7 \times ((777 - (7+7)) + 7/7)) - 7 \\
&:= 88 + (((8+8) \times (8 \times 8 \times 8 + 8)) - (88/8)) \\
&:= 9 \times 9 + (99 \times (((9+9+9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8402 &:= ((1+1) \times (111 + (((1+1)^{1+11}) - 1) - 1) \\
&:= 2 + ((22-2)^2 \times (22-2/2)) \\
&:= 3 + ((3/3 + 33 + 3) \times ((3+3)^3 + 33/3)) \\
&:= (4+4)/4 + (((4+4) + 4) \times (444 + 4^4)) \\
&:= (5^5 + 5)/5 + (5/5 + 5)^5 \\
&:= 6 \times 6 \times 6 + (((6+6)/6)^{6/6+6+6}) - 6 \\
&:= 77 + (777/7 \times (77 - (7+7)/7)) \\
&:= 8 + (((88 \times (88+8) - 8 \times 8) + ((8+8)/8)) + 8) \\
&:= 9 \times 9 \times (9 \times 9 + 9) + (9999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8403 &:= ((1+1) \times (111 + ((1+1)^{1+11}))) - 11 \\
&:= 2 + (((22-2)^2 \times (22-2/2)) + 2/2) \\
&:= 3 + ((3^3 + 3/3) \times (3 \times 3 \times 33 + 3)) \\
&:= (4 \times 44 \times (44+4)) - (44+4/4) \\
&:= (5/5+5)^5 + (5^5+5+5)/5 \\
&:= ((66/6) \times (((6 \times 6/(6+6))^6) + 6 \times 6)) - 6 - 6 \\
&:= ((7+7+7)/7)^7 + ((7/7+7) \times 777) \\
&:= 8 + ((88 \times (88+8) - 8 \times 8) + (88/8)) \\
&:= 9 \times 9 \times (9 \times 9 + 9) + (((9999+9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8404 &:= 1 + (((1+1) \times (111 + ((1+1)^{1+11}))) - 11) \\
&:= 22 \times ((2^{2+2} \times (22+2)) - 2) \\
&:= 33/3 \times (((3^{3+3} - 3/3) + 33) + 3) \\
&:= 44 \times (4^4 - (4^4+4)/4) \\
&:= (5-5/5) \times (5^5 - (5-5/5)^5) \\
&:= 6 + (((6+6)/6 + 6 \times 6) \times ((6 \times 6 \times 6 - 6/6) + 6)) \\
&:= 77/7 \times ((777 - (7+7)) + 7/7) \\
&:= 8888 - 88 \times 88/(8+8) \\
&:= (9 \times 9 - 9) \times (99+9+9) - (99/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8405 &:= ((1+1) \times (1 + (111 + ((1+1)^{1+11})))) - 11 \\
&:= 22^2 + ((2 \times 2 \times 22 + 2/2)^2) \\
&:= ((3 \times 3 + 3) \times 3^{3+3}) - ((3/3 + 3 + 3)^3) \\
&:= 4/4 + (44 \times (4^4 - (4^4+4)/4)) \\
&:= 5 + ((5+5+5) \times (555+5)) \\
&:= 6 + ((6 \times 6 + 6/6) \times (6 \times 6 \times 6 + 66/6)) \\
&:= (7 \times 7 - (7/7+7)) \times (((7+7)/7)^7 + 77) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 + 8)) - (88/8)) + 88 \\
&:= (9 \times 9 - 9) \times (99+9+9) - (9/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8406 &:= (1+1) \times (111 + ((1+1) \times ((1+1)^{11} - (1+1)))) \\
&:= 2 + (22 \times ((2^{2+2} \times (22+2)) - 2)) \\
&:= 3 \times (((33 \times (3 \times 3^3 + 3)) + 3^3) + 3) \\
&:= (4+4)/4 + (44 \times (4^4 - (4^4+4)/4)) \\
&:= 5 + ((5/5+5)^5 + 5^5/5) \\
&:= 666 + (6 \times (6 \times 6 \times 6 - 6)) \\
&:= 77 + (((7+7) \times (7 \times (77+7) + 7)) - 7/7) \\
&:= 88 + (((8+8) \times (8 \times 8 \times 8 + 8)) - ((8+8)/8)) \\
&:= (9 \times 9 - 9) \times (99+9+9) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8407 &:= 1 + ((1+1) \times (111 + ((1+1) \times ((1+1)^{11} - (1+1)))) \\
&:= 2 + (((2 \times 2 \times 22 + 2/2)^2) + 22^2) \\
&:= 3 + (33/3 \times (((3^{3+3} - 3/3) + 33) + 3)) \\
&:= 4 + (4 \times 44 \times (44+4)) - (44+4/4) \\
&:= 5 + ((5^5+5)/5 + (5/5+5)^5) \\
&:= 6/6 + ((6 \times (6 \times 6 \times 6 - 6)) + 666) \\
&:= 77 + ((7+7) \times (7 \times (77+7) + 7)) \\
&:= 88 + (((8+8) \times (8 \times 8 \times 8 + 8)) - 8/8) \\
&:= 9 + ((9 \times (999-9)) - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8408 &:= (1+1) \times (111 + (((1+1)^{1+11}) - (1+1+1))) \\
&:= (2 \times ((2 \times 2222) + 2)) - 22^2 \\
&:= (3+3)^3 + ((3-3/3)^{3 \times 3 + 3/3+3}) \\
&:= 4 + (44 \times (4^4 - (4^4+4)/4)) \\
&:= 5 + ((5^5+5+5)/5 + (5/5+5)^5) \\
&:= 6 \times 6 \times 6 + (((6+6)/6)^{6/6+6+6}) \\
&:= 7/7 + (((7+7) \times (7 \times (77+7) + 7)) + 77) \\
&:= 88 + ((8+8) \times (8 \times 8 \times 8 + 8)) \\
&:= (9-9/9) \times ((9 \times (99+9+9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8409 &:= ((1+1) \times (111 + ((1+1) \times ((1+1)^{11} - 1)))) - 1 \\
&:= 2 + (((2 \times 2 \times 22 + 2/2)^2) + 22^2) + 2 \\
&:= 3^3 + (33 \times ((3^{3+3} + 33)/3)) \\
&:= 4 + ((44 \times (4^4 - (4^4+4)/4)) + 4/4) \\
&:= 5 + ((5-5/5) \times (5^5 - (5-5/5)^5)) \\
&:= ((66/6) \times (((6 \times 6/(6+6))^6) + 6 \times 6)) - 6 \\
&:= 7 \times 7 + ((7/7 - 77) \times ((7-777)/7)) \\
&:= 8/8 + (((8+8) \times (8 \times 8 \times 8 + 8)) + 88) \\
&:= 9 + ((9/9+9) \times (999/9+9 \times 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8410 &:= (1+1) \times (111 + ((1+1) \times ((1+1)^{11} - 1))) \\
&:= 222 + (2 \times (2^{2 \times (2+2+2)} - 2)) \\
&:= ((3+3)^3 \times (33+3+3)) - (33/3+3) \\
&:= ((4+4)/4 \times (444/4 + (4+4)^4)) - 4 \\
&:= 5 + (((5+5+5) \times (555+5)) + 5) \\
&:= (((6+6)/6)^6 - 6) \times ((6+6) \times (6+6) + 6/6) \\
&:= ((77-7)/7) \times (((77 \times 77+7)/7) - 7) \\
&:= 88 + (((8+8) \times (8 \times 8 \times 8 + 8)) + ((8+8)/8)) \\
&:= 9 + (9999/9+9 \times 9 \times (9 \times 9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8411 &:= ((1+1) \times (111 + (((1+1)^{1+11}) - 1))) - 1 \\
&:= 222 + ((2^{22/2+2}) - (2/2+2)) \\
&:= ((3 \times 3 + 3/3) + 3) \times (3 \times (3+3)^3 - 3/3) \\
&:= ((4^4 - 4/4) \times (4 \times (4+4) + 4/4)) - 4 \\
&:= 5 + (((5/5+5)^5 + 5^5/5) + 5) \\
&:= (6/6+6+6) \times ((6 \times 6 \times (6+6+6)) - 6/6) \\
&:= 7 + (77/7 \times ((777 - (7+7)) + 7/7)) \\
&:= 88 \times (88+8) - 888/(8+8+8) \\
&:= ((99+9+9)/9) \times (9 \times (9 \times 9 - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8412 &:= (1+1) \times (111 + (((1+1)^{1+11}) - 1)) \\
&:= 222 + ((2^{22/2+2}) - 2) \\
&:= (33 \times ((3 \times (3 \times 3^3 + 3)) + 3)) - 3 \\
&:= 44 + (4 \times (4^4 \times (4+4) + 44)) \\
&:= (5/5+5)^5 + ((55+5^5)/5) \\
&:= (6+6) \times ((666-6/6) + 6 \times 6) \\
&:= (77+7)/7 \times ((777-77) + 7/7) \\
&:= 8 + (8888 - 88 \times 88/(8+8)) \\
&:= (9 \times 9 - 9) \times (99+9+9) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8413 &:= ((1+1) \times (111 + ((1+1)^{1+11}))) - 1 \\
&:= 222 + ((2^{22/2+2}) - 2/2) \\
&:= (((3+3)^3 \times (33+3+3)) - 33/3) \\
&:= 44 + ((4 \times (4^4 \times (4+4) + 44)) + 4/4) \\
&:= (5/5+5)^5 + ((55+5^5+5)/5) \\
&:= (6+6) \times (666+6 \times 6) - 66/6 \\
&:= 7777 + ((7 \times (77+7+7)) - 7/7) \\
&:= 88 + (888/8 \times (88/8+8 \times 8)) \\
&:= (9 \times 9 - 9) \times (99+9+9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8414 &:= (1+1) \times (111 + ((1+1)^{1+11})) \\
&:= 222 + (2^{22/2+2}) \\
&:= (33 \times ((3 \times (3 \times 3^3 + 3)) + 3)) - 3/3 \\
&:= (4+4)/4 \times (444/4 + (4+4)^4) \\
&:= 5 + (((5-5/5) \times (5^5 - (5-5/5)^5)) + 5) \\
&:= 6 + (((6+6)/6)^{6/6+6+6}) + 6 \times 6 \times 6 \\
&:= 7777 + (7 \times (77+7+7)) \\
&:= ((8+8)/8) \times (888/8 + 8 \times 8 \times 8) \\
&:= (9 \times 9 - 9) \times (99+9+9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8415 &:= 1 + ((1+1) \times (111 + ((1+1)^{1+11}))) \\
&:= 2/2 + ((2^{22/2+2}) + 222) \\
&:= 33 \times ((3 \times (3 \times 3^3 + 3)) + 3) \\
&:= (4^4 - 4/4) \times (4 \times (4+4) + 4/4) \\
&:= (5+5+5) \times ((555+5/5) + 5) \\
&:= 66/6 \times (((6 \times 6/(6+6))^6) + 6 \times 6) \\
&:= 77/7 \times (777 - (77+7)/7) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 + 8)) - 8/8) + 88 \\
&:= (9 \times 9 - 9) \times (99+9+9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8416 &:= (1+1) \times (1 + (111 + ((1+1)^{1+11}))) \\
&:= 2 + ((2^{22/2+2}) + 222) \\
&:= 3/3 + (33 \times ((3 \times (3 \times 3^3 + 3)) + 3)) \\
&:= 4 \times (44 \times (44+4) - (4+4)) \\
&:= 5 + (((5/5+5)^5 + 5^5/5) + 5) + 5 \\
&:= 66 \times 66 + (((6+6)/6)^{6+6}) - 6 \times 6 \\
&:= 7 + (((7/7 - 77) \times ((7-777)/7)) + 7 \times 7) \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 + 8)) + 88) \\
&:= 9/9 + ((9 \times 9 - 9) \times (99+9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8417 &:= 1 + ((1+1) \times (1 + (111 + ((1+1)^{1+11})))) \\
&:= 2 + (((2^{22/2+2}) + 222) + 2/2) \\
&:= 3 + (33 \times ((3 \times (3 \times 3^3 + 3)) + 3)) - 3/3 \\
&:= 4/4 + (((4+4) \times (4 \times 4^4 - 4)) + 4^4) \\
&:= 5 + (((55+5^5)/5) + (5/5+5)^5) \\
&:= (6+6) \times (666+6 \times 6) - 6/6 - 6 \\
&:= ((7+7) \times ((7 \times (77+7) + 7) + 7)) - 77/7 \\
&:= 8 + (((8+8) \times (8 \times 8 \times 8 + 8)) + 88) + 8/8 \\
&:= (9+9)/9 + ((9 \times 9 - 9) \times (99+9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8418 &:= (1+1) \times (1+(1+(111+((1+1)^{1+11})))) \\
&:= 2 + (((2^{22/2+2}) + 222) + 2) \\
&:= 3 + (33 \times ((3 \times (3 \times 3^3 + 3)) + 3)) \\
&:= 4 + ((4+4)/4 \times (444/4 + (4+4)^4)) \\
&:= 5 + (((55+5^5)/5) + (5/5+5)^5) \\
&:= (6+6) \times (666+6 \times 6) - 6 \\
&:= (77 - (7/7+7)) \times (777+77)/7 \\
&:= 88 \times (88+8) - ((88+88)/8+8) \\
&:= 9 + (((9/9+9) \times (999/9+9 \times 9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8419 &:= 1 + ((1+1) \times (1+(1+(111+((1+1)^{1+11})))))) \\
&:= ((2 \times (2 \times 22 + 2))^2) - (2 \times 22 + 2/2) \\
&:= 3 + ((33 \times ((3 \times (3 \times 3^3 + 3)) + 3)) + 3/3) \\
&:= 4 + ((4^4 - 4/4) \times (4 \times (4+4) + 4/4)) \\
&:= ((5 - 5/5) \times ((5^5 - (5 - 5/5)^5) + 5)) - 5 \\
&:= 6/6 + ((6+6) \times (666+6 \times 6) - 6) \\
&:= 77 \times 777/7 - ((7+7)/7)^7 \\
&:= 88 + (((8+8) \times (8 \times 8 \times 8 + 8)) + (88/8)) \\
&:= 9 \times 9 \times 99 + ((99/9+9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8420 &:= (1+1) \times (1+(1+(1+(111+((1+1)^{1+11})))))) \\
&:= 2 \times ((2 \times (2 \times 22 + 2)^2) - 22) \\
&:= ((3+3)^3 \times (33+3+3)) - (3/3+3) \\
&:= 4 + (((4+4) \times (4 \times 4^4 - 4)) + 4^4) \\
&:= 5 + ((5+5+5) \times ((555+5/5) + 5)) \\
&:= (6+6)/6 + ((6+6) \times (666+6 \times 6) - 6) \\
&:= 777 + (((7+7) \times (7 \times 77 + 7)) - 7/7) \\
&:= 88 \times (88+8) + ((8-8 \times 8)/(8+8)/8) \\
&:= 9 + (((99+9+9)/9) \times (9 \times (9 \times 9 - 9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8421 &:= (11 + (11 - 1)) \times (1 + ((1+1) \times (11 - 1))^{1+1}) \\
&:= (22 - 2/2) \times ((22 - 2)^2 + 2/2) \\
&:= ((3+3)^3 \times (33+3+3)) - 3 \\
&:= (4 \times (44 \times (44+4) - 4)) - 44/4 \\
&:= 5 \times 5 + (((5/5+5)^5 - 5) + 5^5/5) \\
&:= 6 + ((66/6) \times (((6 \times 6/(6+6))^6) + 6 \times 6)) \\
&:= 777 + ((7+7) \times (7 \times 77 + 7)) \\
&:= 88 \times (88+8) - (88/8+8+8) \\
&:= (9 \times 9 - 9) \times (99+9+9) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8422 &:= (1+1) \times (111 + ((1+1) \times (1+(1+(1+1)^{11})))) \\
&:= 2 + (2 \times ((2 \times (2 \times 22 + 2)^2) - 22)) \\
&:= 3/3 + (((3+3)^3 \times (33+3+3)) - 3) \\
&:= (4+4)/4 \times ((444/4 + (4+4)^4) + 4) \\
&:= 5 + (((55+5^5)/5) + (5/5+5)^5) + 5 \\
&:= (6+6) \times (666+6 \times 6) - (6+6)/6 \\
&:= ((77 - 7/7) \times 777/7) - (7+7) \\
&:= (8 - 88)/8 + (88 \times (88+8) - (8+8)) \\
&:= (9 \times 9 - 9) \times (99+9+9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8423 &:= 11 + ((1+1) \times (111 + (((1+1)^{1+11}) - 1))) \\
&:= 2 + ((22 - 2/2) \times ((22 - 2)^2 + 2/2)) \\
&:= ((3+3)^3 \times (33+3+3)) - 3/3 \\
&:= 4 + (((4^4 - 4/4) \times (4 \times (4+4) + 4/4)) + 4) \\
&:= (5/5+5)^5 + (((55+55) + 5^5)/5) \\
&:= (6+6) \times (666+6 \times 6) - 6/6 \\
&:= 7/7 + (((77 - 7/7) \times 777/7) - (7+7)) \\
&:= 88 \times (88+8) - (8/8+8+8+8) \\
&:= (9 \times 9 - 9) \times (99+9+9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8424 &:= 11 + (((1+1) \times (111 + ((1+1)^{1+11}))) - 1) \\
&:= (22 + 2 + 2) \times ((2^{2+2} + 2)^2) \\
&:= (3+3)^3 \times (33+3+3) \\
&:= (4 \times (44 \times (44+4) - 4)) - 4 - 4 \\
&:= (5 - 5/5) \times ((5^5 - (5 - 5/5)^5) + 5) \\
&:= (6+6) \times (666+6 \times 6) \\
&:= (7 - 7/7) \times ((77/7 + 7) \times (7/7 + 77)) \\
&:= 88 \times (88+8) - 8 - 8 - 8 \\
&:= (9 \times 9 - 9) \times (99+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8425 &:= 11 + ((1+1) \times (111 + ((1+1)^{1+11}))) \\
&:= 2/2 + ((22 + 2 + 2) \times ((2^{2+2} + 2)^2)) \\
&:= 3/3 + ((3+3)^3 \times (33+3+3)) \\
&:= 4 + ((4 \times (44 \times (44+4) - 4)) - 44/4) \\
&:= 5 \times (((5/5+5) \times (5 \times 55 + 5)) + 5) \\
&:= 6/6 + (6+6) \times (666+6 \times 6) \\
&:= (77/7 + 7 + 7) \times ((7 \times 7 \times 7 - 7) + 7/7) \\
&:= 8/8 + (88 \times (88+8) - (8+8+8)) \\
&:= 9/9 + (9 \times 9 - 9) \times (99+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8426 &:= 1 + (11 + ((1+1) \times (111 + ((1+1)^{1+11})))) \\
&:= (22^{2/2+2}) - 2222 \\
&:= 3 + (((3+3)^3 \times (33+3+3)) - 3/3) \\
&:= 4^4 + ((4+4)/4 \times ((4+4)^4 - 44/4)) \\
&:= 5 \times 5 + ((5/5+5)^5 + 5^5/5) \\
&:= (6+6)/6 + (6+6) \times (666+6 \times 6) \\
&:= 77/7 \times (777 - (77/7)) \\
&:= 88/8 \times (8 \times (88+8) - ((8+8)/8)) \\
&:= (9+9)/9 + (9 \times 9 - 9) \times (99+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8427 &:= 11 + ((1+1) \times (1+(111+((1+1)^{1+11})))) \\
&:= 2/2 + ((22^{2/2+2}) - 2222) \\
&:= 3 + ((3+3)^3 \times (33+3+3)) \\
&:= (4 \times (44 \times (44+4) - 4)) - 4/4 - 4 \\
&:= 5 \times 5 + ((5^5 + 5)/5 + (5/5+5)^5) \\
&:= 666/6 + (66 \times ((66 - 6) + 66)) \\
&:= ((7+7) \times ((7 \times (77+7) + 7) + 7)) - 7/7 \\
&:= 88 \times (88+8) + ((8 - (88+88))/8) \\
&:= ((9+9+9)/9) + (9 \times 9 - 9) \times (99+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8428 &:= 1 + (11 + ((1+1) \times (1+(111+((1+1)^{1+11})))))) \\
&:= 2 + ((22^{2/2+2}) - 2222) \\
&:= 3 + (((3+3)^3 \times (33+3+3)) + 3/3) \\
&:= (4 \times (44 \times (44+4) - 4)) - 4 \\
&:= 5 \times 5 + ((5^5 + 5 + 5)/5 + (5/5+5)^5) \\
&:= 6 + ((6+6) \times (666+6 \times 6) - ((6+6)/6)) \\
&:= (7+7) \times ((7 \times (77+7) + 7) + 7) \\
&:= 88 \times (88+8) - ((88+8)/8+8) \\
&:= (99 - 9/9) \times (((9 \times 9 + 9)/(9+9)) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8429 &:= 11 + ((1+1) \times (1+(1+(111+((1+1)^{1+11})))))) \\
&:= 2 + (((22^{2/2+2}) - 2222) + 2/2) \\
&:= 3 + (((3+3)^3 \times (33+3+3)) - 3/3 + 3) \\
&:= 4/4 + ((4 \times (44 \times (44+4) - 4)) - 4) \\
&:= 5 + ((5 - 5/5) \times ((5^5 - (5 - 5/5)^5) + 5)) \\
&:= 6 + ((6+6) \times (666+6 \times 6) - 6/6) \\
&:= ((77 - 7/7) \times 777/7) - 7 \\
&:= 88 \times (88+8) - (88/8+8) \\
&:= ((9 \times 9 + 9)/(9+9)) + (9 \times 9 - 9) \times (99+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8430 &:= (1+1) \times (11^{1+1} + ((1+1) \times ((1+1)^{11} - 1))) \\
&:= (2^{2+2} \times ((22 + 2/2)^2 - 2)) - 2 \\
&:= 3 + (((3+3)^3 \times (33+3+3)) + 3) \\
&:= (4 \times (44 \times (44+4) - 4)) - (4+4)/4 \\
&:= (5/5+5) \times (5 \times (5 \times 55 + 5) + 5) \\
&:= 6 + (6+6) \times (666+6 \times 6) \\
&:= 7/7 + (((77 - 7/7) \times 777/7) - 7) \\
&:= (8 - 88)/8 + (88 \times (88+8) - 8) \\
&:= 9 + ((9 \times 9 - 9) \times (99+9+9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8431 &:= 1111 + (((11^{1+1+1+1}) - 1)/(1+1)) \\
&:= (2^{22/2+2}) + ((22^2 - 2)/2 - 2) \\
&:= 3 + (((3+3)^3 \times (33+3+3)) + 3/3 + 3) \\
&:= (4 \times (44 \times (44+4) - 4)) - 4/4 \\
&:= 5 + (((5/5+5)^5 + 5^5/5) + 5 \times 5) \\
&:= 6 + ((6+6) \times (666+6 \times 6) + 6/6) \\
&:= 7 + ((7 - 7/7) \times ((77/7 + 7) \times (7/7 + 77))) \\
&:= 88 \times (88+8) - (8/8+8+8) \\
&:= 9 + ((9 \times 9 - 9) \times (99+9+9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8432 &:= (1+1) \times (11^{1+1} + (((1+1)^{1+11}) - 1)) \\
&:= 2^{2+2} \times ((22 + 2/2)^2 - 2) \\
&:= 3 \times 3 + (((3+3)^3 \times (33+3+3)) - 3/3) \\
&:= 4 \times (44 \times (44+4) - 4) \\
&:= 5 + (((5^5 + 5)/5 + (5/5+5)^5) + 5 \times 5) \\
&:= 6 + ((6+6) \times (666+6 \times 6) + ((6+6)/6)) \\
&:= (77/7 \times ((777 - 7) + 7/7)) - 7 \times 7 \\
&:= 88 \times (88+8) - 8 - 8 \\
&:= 9 + ((9 \times 9 - 9) \times (99+9+9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8433 &:= (11 - 1 - 1) \times ((1 + 1)^{11} - 1111) \\
&:= (2^{2^{2/2+2}}) + (22^2 - 2)/2 \\
&:= 3 \times (((33 + 3) \times (3 \times 3^3 - 3)) + 3) \\
&:= 4/4 + (4 \times (44 \times (44 + 4) - 4)) \\
&:= 5^5/5 + ((5/5 + 5)^5 + ((5 + 5)/5)^5) \\
&:= 6 + ((66 \times ((66 - 6) + 66)) + 666/6) \\
&:= 7 + (77/7 \times (777 - (77/7))) \\
&:= 8/8 + (88 \times (88 + 8) - (8 + 8)) \\
&:= 9 + (9 \times 9 - 9) \times (99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8434 &:= (1 + 1) \times (11^{1+1} + ((1 + 1)^{1+11})) \\
&:= 22^2/2 + (2^{2^{2/2+2}}) \\
&:= 3 \times 3 + (((3 + 3)^3 \times (33 + 3 + 3)) + 3/3) \\
&:= (4 + 4)/4 + (4 \times (44 \times (44 + 4) - 4)) \\
&:= 5 + (((5 - 5/5) \times ((5^5 - (5 - 5/5)^5) + 5)) + 5) \\
&:= 666 + ((6^{6-6/6}) - ((6 + 6)/6 + 6)) \\
&:= 7 + (((7 + 7) \times ((7 \times (77 + 7) + 7) + 7)) - 7/7) \\
&:= (8 + 8)/8 + (88 \times (88 + 8) - (8 + 8)) \\
&:= 9 + ((9 \times 9 - 9) \times (99 + 9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8435 &:= 1 + ((1 + 1) \times (11^{1+1} + ((1 + 1)^{1+11}))) \\
&:= (2^{2^{2/2+2}}) + (22^2 + 2)/2 \\
&:= 33/3 + ((3 + 3)^3 \times (33 + 3 + 3)) \\
&:= 4 + ((4 \times (44 \times (44 + 4) - 4)) - 4/4) \\
&:= 5 + ((5/5 + 5) \times (5 \times (5 \times 55 + 5) + 5)) \\
&:= 666 + ((6^{6-6/6}) - (6/6 + 6)) \\
&:= 7 + ((7 + 7) \times ((7 \times (77 + 7) + 7) + 7)) \\
&:= 88 \times (88 + 8) - (88 + 8 + 8)/8 \\
&:= 99/9 + (9 \times 9 - 9) \times (99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8436 &:= (1 + 1) \times (1 + (11^{1+1} + ((1 + 1)^{1+11}))) \\
&:= 222 \times ((2 + 2 + 2)^2 + 2) \\
&:= 3 + (((3 + 3)^3 \times (33 + 3 + 3)) + 3 \times 3) \\
&:= 4 + (4 \times (44 \times (44 + 4) - 4)) \\
&:= 555/5 + ((5 + 5 + 5) \times 555) \\
&:= 666 + ((6^{6-6/6}) - 6) \\
&:= (77 - 7/7) \times 777/7 \\
&:= ((88 + 8)/8) \times (8 \times 88 - 8/8) \\
&:= 9 \times 999 + ((9 - 9999)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8437 &:= 1 + ((1 + 1) \times (1 + (11^{1+1} + ((1 + 1)^{1+11})))) \\
&:= 2/2 + (222 \times ((2 + 2 + 2)^2 + 2)) \\
&:= 33/3 \times ((3^{3+3} + 33/3) + 3^3) \\
&:= (4 \times 44 \times (44 + 4)) - 44/4 \\
&:= 5 \times 5 + (((55 + 5^5)/5) + (5/5 + 5)^5) \\
&:= 6/6 + (((6^{6-6/6}) - 6) + 666) \\
&:= 7/7 + ((77 - 7/7) \times 777/7) \\
&:= 88 \times (88 + 8) - 88/8 \\
&:= ((99 + 9 + 9)/9) \times (9 \times (9 \times 9 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8438 &:= (1 + 1) \times (1 + (1 + (11^{1+1} + ((1 + 1)^{1+11})))) \\
&:= 2 + (222 \times ((2 + 2 + 2)^2 + 2)) \\
&:= 3 + (((3 + 3)^3 \times (33 + 3 + 3)) + 33/3) \\
&:= (4 - 44)/4 + (4 \times 44 \times (44 + 4)) \\
&:= 5 + (((5/5 + 5)^5 + ((5 + 5)/5)^5) + 5^5/5) \\
&:= 666 + (((6^{6-6/6}) - 6) + ((6 + 6)/6)) \\
&:= (7 + 7)/7 + ((77 - 7/7) \times 777/7) \\
&:= (8 - 88)/8 + 88 \times (88 + 8) \\
&:= (99999/9) - 99 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8439 &:= (((11 - 1) \times (1 + 1 + 11))^{1+1})/(1 + 1) - 11 \\
&:= 2 + ((222 \times ((2 + 2 + 2)^2 + 2)) + 2/2) \\
&:= (3 + 3)^3 + (3 \times ((33/3 + 3)^3 - 3)) \\
&:= (4 \times 44 \times (44 + 4)) - (4/4 + 4 + 4) \\
&:= (5 - (5 + 5)/5) \times (((5 - 5^5)/(5 + 5)) + 5^5) \\
&:= 666 + ((6^{6-6/6}) - (6 \times 6/(6 + 6))) \\
&:= 77/7 + ((7 + 7) \times ((7 \times (77 + 7) + 7) + 7)) \\
&:= 88 \times (88 + 8) - (8/8 + 8) \\
&:= (99 - ((9 + 9)/9)) \times (99 - (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8440 &:= 1 + (((11 - 1) \times (1 + 1 + 11))^{1+1})/(1 + 1) - 11 \\
&:= (2 - 22) \times (22 - 2 \times 222) \\
&:= 3 + (33/3 \times ((3^{3+3} + 33/3) + 3^3)) \\
&:= (4 \times 44 \times (44 + 4)) - 4 - 4 \\
&:= 5 \times ((5^5 + 5)/(5 + 5) + 5 \times 5 \times 55) \\
&:= 666 + ((6^{6-6/6}) - ((6 + 6)/6)) \\
&:= 7 + ((77/7 \times (777 - (77/7))) + 7) \\
&:= 88 \times (88 + 8) - 8 \\
&:= (9 - 9/9) \times ((9 \times (99 + 9 + 9)) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8441 &:= (1 + (11 + 11)) \times (1 + ((1 + 1 + 1) \times (1 + 11^{1+1}))) \\
&:= ((2 \times (2 \times 22 + 2))^2) - 22 - 2/2 \\
&:= ((3 \times 3 + 33) \times (33 \times (3 + 3) + 3)) - 3/3 \\
&:= 4 + ((4 \times 44 \times (44 + 4)) - 44/4) \\
&:= 5 + ((55 \times ((55 + 5)/5)) + (5/5 + 5)^5) \\
&:= 666 + ((6^{6-6/6}) - 6/6) \\
&:= (((7 + 7)/7)^7 \times (77 - 77/7)) - 7 \\
&:= 8/8 + (88 \times (88 + 8) - 8) \\
&:= (((9 + 9)/9)^9) + (9 \times (9 \times 99 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8442 &:= (11 - 1 - 1) \times (1 + ((1 + 1)^{11} - 1111)) \\
&:= ((2 \times (2 \times 22 + 2))^2) - 22 \\
&:= (3 \times 3 + 33) \times (33 \times (3 + 3) + 3) \\
&:= (4 \times 44 \times (44 + 4)) - ((4 + 4)/4 + 4) \\
&:= 555 + (555/5 + (5/5 + 5)^5) \\
&:= 666 + (6^{6-6/6}) \\
&:= 7 \times (77 \times (7 + 7) + ((7 + 7)/7)^7) \\
&:= (8 + 8)/8 + (88 \times (88 + 8) - 8) \\
&:= 9 + ((9 \times 9 - 9) \times (99 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8443 &:= 1 + ((11 - 1 - 1) \times (1 + ((1 + 1)^{11} - 1111))) \\
&:= 2/2 + (((2 \times (2 \times 22 + 2))^2) - 22) \\
&:= 3/3 + ((3 \times 3 + 33) \times (33 \times (3 + 3) + 3)) \\
&:= (4 \times 44 \times (44 + 4)) - 4/4 - 4 \\
&:= (((5 + 5)/5)^5 \times (5 \times 55 - (55/5))) - 5 \\
&:= 6/6 + (((6^{6-6/6}) + 666) \\
&:= 7 + ((77 - 7/7) \times 777/7) \\
&:= 88/8 + (88 \times (88 + 8) - (8 + 8)) \\
&:= 9 + (((9 \times 9 - 9) \times (99 + 9 + 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8444 &:= (1 + 1) \times ((1 + 1) \times (((1 + 1) \times 1111) - 111)) \\
&:= 2 + (((2 \times (2 \times 22 + 2))^2) - 22) \\
&:= (3/3 + 3) \times ((33 \times ((3/3 + 3)^3)) - 3/3) \\
&:= (4 \times 44 \times (44 + 4)) - 4 \\
&:= (5 - 5/5) \times (((5^5 - (5 - 5/5)^5) + 5) + 5) \\
&:= 666 + ((6^{6-6/6}) + ((6 + 6)/6)) \\
&:= 7 + (((77 - 7/7) \times 777/7) + 7/7) \\
&:= 88 \times (88 + 8) - 8 \times 8/(8 + 8) \\
&:= 9 + ((9 \times 9 - 9) \times (99 + 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8445 &:= 11 + ((1 + 1) \times (11^{1+1} + ((1 + 1)^{1+11}))) \\
&:= 2 + (((2 \times (2 \times 22 + 2))^2) - 22) + 2/2 \\
&:= (33 \times ((3/3 + 3)^{3/3+3})) - 3 \\
&:= 4/4 + ((4 \times 44 \times (44 + 4)) - 4) \\
&:= ((55 + 5 + 5) \times (5 \times 5 \times 5 + 5)) - 5 \\
&:= 666 + ((6^{6-6/6}) + (6 \times 6/(6 + 6))) \\
&:= (77/7 \times (777 - (7/7 + 7))) - (7 + 7) \\
&:= 8 + (88 \times (88 + 8) - (88/8)) \\
&:= 9 \times 9 + ((9/9 + 9 \times 9) \times (999/9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8446 &:= ((1 + 111)^{1+1}) - (1 + (1 + ((1 + 1)^{1+11}))) \\
&:= 2 \times (((2^{2+2+2} + 2/2)^2) - 2) \\
&:= 3/3 + ((33 \times ((3/3 + 3)^{3/3+3})) - 3) \\
&:= (4 \times 44 \times (44 + 4)) - (4 + 4)/4 \\
&:= 55 + (((5/5 + 5)^5 - (5 + 5)) + 5^5/5) \\
&:= 66 \times 66 + (((6 + 6)/6)^{6+6}) - 6 \\
&:= 7 + (((7 + 7) \times ((7 \times (77 + 7) + 7) + 7)) + (77/7)) \\
&:= 88 \times (88 + 8) - (8 + 8)/8 \\
&:= (9/9 + 9 \times 9) \times (((999 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8447 &:= ((1 + 111)^{1+1}) - (1 + ((1 + 1)^{1+11})) \\
&:= (22 \times (2^{2+2} \times (22 + 2))) - 2/2 \\
&:= (33 \times ((3/3 + 3)^{3/3+3})) - 3/3 \\
&:= (4 \times 44 \times (44 + 4)) - 4/4 \\
&:= 5 + ((555/5 + (5/5 + 5)^5) + 555) \\
&:= 6 + (((6^{6-6/6}) - 6/6) + 666) \\
&:= 77/7 + ((77 - 7/7) \times 777/7) \\
&:= 88 \times (88 + 8) - 8/8 \\
&:= 9 \times 999 + ((9 - 99 \times 99)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8448 &:= ((1 + 111)^{1+1}) - ((1 + 1)^{1+11}) \\
&:= 22 \times (2^{2+2} \times (22 + 2)) \\
&:= 33 \times ((3/3 + 3)^{3/3+3}) \\
&:= 4 \times 44 \times (44 + 4) \\
&:= ((5 + 5)/5)^5 \times (5 \times 55 - (55/5)) \\
&:= 6 + ((6^{6-6/6}) + 666) \\
&:= ((7 + 7)/7)^7 \times (77 - 77/7) \\
&:= 88 \times (88 + 8) \\
&:= (99 - (99/9)) \times (99 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8449 &:= 1 + (((1 + 111)^{1+1}) - ((1 + 1)^{1+11})) \\
&:= 2/2 + (22 \times (2^{2+2} \times (22 + 2))) \\
&:= 3/3 + (33 \times ((3/3 + 3)^{3/3+3})) \\
&:= 4/4 + (4 \times 44 \times (44 + 4)) \\
&:= ((55 + 5 + 5) \times (5 \times 5 \times 5 + 5)) - 5/5 \\
&:= 6 + (((6^{6-6/6}) + 666) + 6/6) \\
&:= 77 \times 777/7 - 7 \times (7 + 7) \\
&:= 8/8 + 88 \times (88 + 8) \\
&:= (((9 + 9)/9)^9) + (9 \times (9 \times 99 - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8450 &:= (((11 - 1) \times (1 + 1 + 11))^{1+1}) / (1 + 1) \\
&:= 2 \times ((2^{2+2+2} + 2/2)^2) \\
&:= 3 + ((33 \times ((3/3 + 3)^{3/3+3})) - 3/3) \\
&:= (4 + 4)/4 + (4 \times 44 \times (44 + 4)) \\
&:= (55 + 5 + 5) \times (5 \times 5 \times 5 + 5) \\
&:= ((6 + 6)/6) \times (((66 - 6/6)^{6+6/6}) \\
&:= 7 + (((77 - 7/7) \times 777/7) + 7) \\
&:= (8 + 8)/8 + 88 \times (88 + 8) \\
&:= (((9 + 9)/9)^9) + 9 \times (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8451 &:= 1 + (((11 - 1) \times (1 + 1 + 11))^{1+1}) / (1 + 1) \\
&:= 2/2 + (2 \times ((2^{2+2+2} + 2/2)^2)) \\
&:= 3 + (33 \times ((3/3 + 3)^{3/3+3})) \\
&:= 4 + ((4 \times 44 \times (44 + 4)) - 4/4) \\
&:= 55 + (((5/5 + 5)^5 - 5) + 5^5/5) \\
&:= 66 \times 66 + (((6 + 6)/6)^{6+6}) - 6/6 \\
&:= 7 + (((77 - 7/7) \times 777/7) + 7/7) + 7) \\
&:= 88/8 + (88 \times (88 + 8) - 8) \\
&:= 999 + 9 \times (9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8452 &:= 1 + (1 + (((11 - 1) \times (1 + 1 + 11))^{1+1}) / (1 + 1)) \\
&:= 2 + (2 \times ((2^{2+2+2} + 2/2)^2)) \\
&:= 3 + ((33 \times ((3/3 + 3)^{3/3+3})) + 3/3) \\
&:= 4 + (4 \times 44 \times (44 + 4)) \\
&:= 55 + (((5/5 + 5)^5 - 5) + (5^5 + 5)/5) \\
&:= 66 \times 66 + (((6 + 6)/6)^{6+6}) \\
&:= (77/7 \times (777 - (7/7 + 7))) - 7 \\
&:= 8 \times 8/(8 + 8) + 88 \times (88 + 8) \\
&:= 9/9 + (9 \times (9 \times 9 + 99) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8453 &:= ((11 + (11 - 1 - 1)^{1+1})^{1+1}) - 11 \\
&:= ((2 \times (2 \times 22 + 2))^2) - 22/2 \\
&:= (33/3)^3 + ((33 \times (3 + 3)^3) - (3 + 3)) \\
&:= 4 + ((4 \times 44 \times (44 + 4)) + 4/4) \\
&:= 5 + (((5 + 5)/5)^5 \times (5 \times 55 - (55/5))) \\
&:= 666 + ((6^{6-6/6}) + (66/6)) \\
&:= (((77 - 7)/7) \times ((77 \times 77 - 7)/7)) - 7 \\
&:= 8 + ((88 \times (88 + 8) - (88/8)) + 8) \\
&:= (9 \times 9 - ((9 + 9)/9)) \times ((99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8454 &:= 1 + (((11 + (11 - 1 - 1)^{1+1})^{1+1}) - 11) \\
&:= 2 \times (((2^{2+2+2} + 2/2)^2) + 2) \\
&:= 3 + ((33 \times ((3/3 + 3)^{3/3+3})) + 3) \\
&:= 4 + ((4 \times 44 \times (44 + 4)) + (4 + 4)/4) \\
&:= 5 + (((55 + 5 + 5) \times (5 \times 5 \times 5 + 5)) - 5/5) \\
&:= 6 + (((6^{6-6/6}) + 666) + 6) \\
&:= (7 - 7/7) \times (((77 \times ((7 + 7)/7)^7) + 7)/7) \\
&:= 8 + (88 \times (88 + 8) - ((8 + 8)/8)) \\
&:= 999/9 + 9 \times (999 - 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8455 &:= ((1 + 1) \times (((1 + 1)^{1+11}) + (11 \times (1 + 11)))) - 1 \\
&:= 2 + (((2 \times (2 \times 22 + 2))^2) - 22/2) \\
&:= ((3 \times 3^3 + 33/3)^{3-3/3}) - 3 \times 3 \\
&:= 4 + (((4 \times 44 \times (44 + 4)) - 4/4) + 4) \\
&:= 5 + (((55 + 5 + 5) \times (5 \times 5 \times 5 + 5)) \\
&:= 6 + (((6^{6-6/6}) + 666) + 6/6) + 6) \\
&:= 7 + (((7 + 7)/7)^7 \times (77 - 77/7)) \\
&:= 8 + (88 \times (88 + 8) - 8/8) \\
&:= (((99/9) + 9 \times 9)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8456 &:= (1 + 1) \times (((1 + 1)^{1+11}) + (11 \times (1 + 11))) \\
&:= 2 \times (2 \times ((2 \times 22 + 2)^2 - 2)) \\
&:= (33/3)^3 + ((33 \times (3 + 3)^3) - 3) \\
&:= 4 + ((4 \times 44 \times (44 + 4)) + 4) \\
&:= 55 + (((5/5 + 5)^5 + 5^5/5) \\
&:= 6 + (((6 + 6)/6) \times (((66 - 6/6)^{6+6/6})) \\
&:= 7777 + ((7 \times 7 \times (7 + 7)) - 7) \\
&:= 8 + 88 \times (88 + 8) \\
&:= 9/9 + (((99/9) + 9 \times 9)^{(9+9)/9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8457 &:= 1 + ((1 + 1) \times (((1 + 1)^{1+11}) + (11 \times (1 + 11)))) \\
&:= 2/2 + (2 \times (2 \times ((2 \times 22 + 2)^2 - 2))) \\
&:= 33 + ((3 + 3)^3 \times (33 + 3 + 3)) \\
&:= 4 + (((4 \times 44 \times (44 + 4)) + 4/4) + 4) \\
&:= 55 + (((5^5 + 5)/5 + (5/5 + 5)^5) \\
&:= 6 + (((6 + 6)/6)^{6+6}) - 6/6 + 66 \times 66) \\
&:= (((7/7 + 77 + 7) + 7)^{(7+7)/7}) - 7 \\
&:= 8 + (88 \times (88 + 8) + 8/8) \\
&:= (((9 + 9)/9) + 9 \times 9) \times (999/9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8458 &:= (1 + 1) \times (1 + (((1 + 1)^{1+11}) + (11 \times (1 + 11)))) \\
&:= 2 + (2 \times (2 \times ((2 \times 22 + 2)^2 - 2))) \\
&:= 3/3 + (((3 + 3)^3 \times (33 + 3 + 3)) + 33) \\
&:= (44 - 4)/4 + (4 \times 44 \times (44 + 4)) \\
&:= 55 + (((5^5 + 5 + 5)/5 + (5/5 + 5)^5) \\
&:= 6 + (((6 + 6)/6)^{6+6}) + 66 \times 66) \\
&:= (((7 + 7)/7)^7 + ((7 + 7) \times (7 \times (77 + 7) + 7))) \\
&:= 8 + (88 \times (88 + 8) + ((8 + 8)/8)) \\
&:= 9 + ((9 \times (9 \times 99 - 9) - 9/9) + ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8459 &:= 11 + (((1 + 111)^{1+1}) - ((1 + 1)^{1+11})) \\
&:= ((2 \times (2 \times 22 + 2))^2) - 2/2 - 2 - 2 \\
&:= (33/3)^3 + (33 \times (3 + 3)^3) \\
&:= 44/4 + (4 \times 44 \times (44 + 4)) \\
&:= 55 + (((5 - 5/5) \times (5^5 - (5 - 5/5)^5)) \\
&:= ((6 \times 6 - 6) \times (6 \times 6 \times 6 + 66)) - 6/6 \\
&:= 77/7 \times (777 - (7/7 + 7)) \\
&:= 88/8 + 88 \times (88 + 8) \\
&:= 9 + (9 \times (9 \times 99 - 9) + ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8460 &:= (1 + 11) \times (1 + (11 \times ((1 + 1)^{(1+1) \times (1+1+1)}))) \\
&:= 2 \times ((2 \times (2 \times 22 + 2))^2) - 2) \\
&:= (3 \times 3 + 3) \times ((3^{3+3} - 3^3) + 3) \\
&:= (4 \times (44 \times (44 + 4) + 4)) - 4 \\
&:= 5 + (((55 + 5 + 5) \times (5 \times 5 \times 5 + 5)) + 5) \\
&:= (6 \times 6 - 6) \times (6 \times 6 \times 6 + 66) \\
&:= ((77 - 7)/7) \times ((77 \times 77 - 7)/7) \\
&:= ((88 + 8)/8) + 88 \times (88 + 8) \\
&:= 9999 - (9 \times (9 \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8461 &:= 11 + (((11 - 1) \times (1 + 1 + 11))^{1+1}) / (1 + 1) \\
&:= ((2 \times (2 \times 22 + 2))^2) - 2/2 - 2 \\
&:= (33 - 33/3)^3 - 3 \times 3^{3+3} \\
&:= 4/4 + ((4 \times (44 \times (44 + 4) + 4)) - 4) \\
&:= 5 + (((5/5 + 5)^5 + 5^5/5) + 55) \\
&:= 6/6 + (((6 \times 6 - 6) \times (6 \times 6 \times 6 + 66)) \\
&:= 7777 + ((7 \times 7 \times (7 + 7)) - ((7 + 7)/7)) \\
&:= 88 \times (88 + 8) + (88 + 8 + 8)/8 \\
&:= 9 \times 999 - (((9 + 9)/9)^9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8462 &:= ((11 + (11 - 1 - 1)^{1+1})^{1+1}) - 1 - 1 \\
&:= ((2 \times (2 \times 22 + 2))^2) - 2 \\
&:= 3 + ((33 \times (3 + 3)^3) + (33/3)^3) \\
&:= (4 \times (44 \times (44 + 4) + 4)) - (4 + 4)/4 \\
&:= 5 + (((5^5 + 5)/5 + (5/5 + 5)^5) + 55) \\
&:= (6 + 6)/6 + ((6 \times 6 - 6) \times (6 \times 6 \times 6 + 66)) \\
&:= 7777 + ((7 \times 7 \times (7 + 7)) - 7/7) \\
&:= 8 + ((88 \times (88 + 8) - ((8 + 8)/8)) + 8) \\
&:= 9 + ((9 \times 9 - ((9 + 9)/9)) \times ((99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8463 &:= ((11 + (11 - 1 - 1)^{1+1})^{1+1}) - 1 \\
&:= ((2 \times (2 \times 22 + 2))^2) - 2/2 \\
&:= (33 + 3 + 3) \times ((3 + 3)^3 + 3/3) \\
&:= (4 \times (44 \times (44 + 4) + 4)) - 4/4 \\
&:= (55 + 5 + 5)/5 \times ((5^5 + 5)/5 + 5 \times 5) \\
&:= (6 \times 6 \times 6 + 6/6) \times (((666 - 6)/6) + 6) \\
&:= 7777 + (7 \times 7 \times (7 + 7)) \\
&:= 8 + ((88 \times (88 + 8) - 8/8) + 8) \\
&:= (((99/9) + 9 \times 9)^{(9+9)/9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8464 &:= (11 + (11 - 1 - 1)^{1+1})^{1+1} \\
&:= (2 \times (2 \times 22 + 2))^2 \\
&:= (3 \times 3^3 + 33/3)^{3-3/3} \\
&:= 4 \times (44 \times (44 + 4) + 4) \\
&:= (((5 + 5)/5)^5 + 55) + 5)^{(5+5)/5} \\
&:= 6 + (((6 + 6)/6)^{6+6}) + 66 \times 66 + 6) \\
&:= ((7/7 + 77 + 7) + 7)^{(7+7)/7} \\
&:= 8 + (88 \times (88 + 8) + 8) \\
&:= ((99/9) + 9 \times 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8465 &:= 1 + ((11 + (11 - 1 - 1)^{1+1})^{1+1}) \\
&:= 2/2 + ((2 \times (2 \times 22 + 2))^2) \\
&:= 3 + (((33 \times (3 + 3)^3) + (33/3)^3) + 3) \\
&:= 4/4 + (4 \times (44 \times (44 + 4) + 4)) \\
&:= (55 \times (5 \times (5 \times 5 + 5) + 5)) - 55 - 5 \\
&:= 6 + (((6 \times 6 - 6) \times (6 \times 6 \times 6 + 66)) - 6/6) \\
&:= 7/7 + (((7/7 + 77 + 7) + 7)^{(7+7)/7}) \\
&:= 8 + ((88 \times (88 + 8) + 8/8) + 8) \\
&:= 9/9 + (((99/9) + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8466 &:= 1 + (1 + ((11 + (11 - 1 - 1)^{1+1})^{1+1})) \\
&:= 2 + ((2 \times (2 \times 22 + 2))^2) \\
&:= (3/3 + 33) \times ((3 + 3)^3 + 33) \\
&:= (4 + 4)/4 + (4 \times (44 \times (44 + 4) + 4)) \\
&:= 5 + (((5/5 + 5)^5 + 5^5/5) + 55) + 5) \\
&:= 6 + (((6 \times 6 - 6) \times (6 \times 6 \times 6 + 66)) \\
&:= 7 + (77/7 \times (777 - (7/7 + 7))) \\
&:= 8 + ((88 \times (88 + 8) + ((8 + 8)/8)) + 8) \\
&:= (((9 + 9)/9) + 9 \times 9) \times (999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8467 &:= 1 + (1 + (1 + ((11 + (11 - 1 - 1)^{1+1})^{1+1}))) \\
&:= 2 + (((2 \times (2 \times 22 + 2))^2) + 2/2) \\
&:= 3 + ((3 \times 3^3 + 33/3)^{3-3/3}) \\
&:= 4 + ((4 \times (44 \times (44 + 4) + 4)) - 4/4) \\
&:= 55 + (((55 + 5^5)/5) + (5/5 + 5)^5) \\
&:= 6 + (((6 \times 6 - 6) \times (6 \times 6 \times 6 + 66)) + 6/6) \\
&:= 7 + (((77 - 7)/7) \times ((77 \times 77 - 7)/7)) \\
&:= 8 + (88 \times (88 + 8) + (88/8)) \\
&:= 9/9 + (((9 + 9)/9) + 9 \times 9) \times (999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8468 &:= 1 + (1 + (1 + (1 + ((11 + (11 - 1 - 1)^{1+1})^{1+1})))) \\
&:= 2 + (((2 \times (2 \times 22 + 2))^2) + 2) \\
&:= 3 \times 3 + ((33 \times (3 + 3)^3) + (33/3)^3) \\
&:= 4 + (4 \times (44 \times (44 + 4) + 4)) \\
&:= 5 + ((55 + 5 + 5)/5 \times ((5^5 + 5)/5 + 5 \times 5)) \\
&:= (66 + 6/6 + 6) \times (((666 - 6)/6) + 6) \\
&:= (77 \times (777 - 7)/7) - (7 + 7)/7 \\
&:= 8 + (88 \times (88 + 8) + ((88 + 8)/8)) \\
&:= 9 + ((9 \times (9 \times 99 - 9) + ((9 + 9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8469 &:= (11 \times (11 \times ((11 - 1 - 1)^{1+1} - 11))) - 1 \\
&:= 2 + (((2 \times (2 \times 22 + 2))^2) + 2/2) + 2) \\
&:= 3 + ((3/3 + 33) \times ((3 + 3)^3 + 33)) \\
&:= 4 + ((4 \times (44 \times (44 + 4) + 4)) + 4/4) \\
&:= 5 + (((5 + 5)/5)^5 + 55) + 5)^{(5+5)/5} \\
&:= (6^{6-6/6}) + (((6 \times 6/(6 + 6))^6) - 6 \times 6) \\
&:= (77 \times (777 - 7)/7) - 7/7 \\
&:= 8 + (88 \times (88 + 8) + (88 + 8 + 8)/8) \\
&:= 9 + (9999 - (9 \times (9 \times (9 + 9) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8470 &:= 11 \times (11 \times ((11 - 1 - 1)^{1+1} - 11)) \\
&:= 2 + (((2 \times (2 \times 22 + 2))^2) + 2) + 2) \\
&:= (3/3 + 3)^{3+3} + ((3 + 3) \times 3^{3+3}) \\
&:= (444 - 4)/4 \times ((4 - 4/4)^4 - 4) \\
&:= 55 \times ((5 \times (5 \times 5 + 5) - 5/5) + 5) \\
&:= (66/6 + 66) \times ((666 - 6)/6) \\
&:= 77 \times (777 - 7)/7 \\
&:= 88/8 \times (8 \times (88 + 8) + ((8 + 8)/8)) \\
&:= 9 \times 999 - (((9 + 9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8471 &:= 1 + (11 \times (11 \times ((11 - 1 - 1)^{1+1} - 11))) \\
&:= (2 \times (2 \times ((2 \times 22 + 2)^2 + 2))) - 2/2 \\
&:= ((3 + 3) \times ((33/3)^3 + 3 \times 3^3)) - 3/3 \\
&:= 4 + (((4 \times (44 \times (44 + 4) + 4)) - 4/4) + 4) \\
&:= 5/5 + (55 \times ((5 \times (5 \times 5 + 5) - 5/5) + 5)) \\
&:= 66/6 + (((6 \times 6 - 6) \times (6 \times 6 \times 6 + 66)) \\
&:= 7/7 + (77 \times (777 - 7)/7) \\
&:= 8 + (((88 \times (88 + 8) - 8/8) + 8) + 8) \\
&:= 9/9 + (9 \times 999 - (((9 + 9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8472 &:= 1 + (1 + (11 \times (11 \times ((11 - 1 - 1)^{1+1} - 11)))) \\
&:= 2 \times (2 \times ((2 \times 22 + 2)^2 + 2)) \\
&:= (3 + 3) \times ((33/3)^3 + 3 \times 3^3) \\
&:= 4 + ((4 \times (44 \times (44 + 4) + 4)) + 4) \\
&:= (5 + 5)/5 \times (5555/5 + 5^5) \\
&:= 6 + (((6 \times 6 - 6) \times (6 \times 6 \times 6 + 66)) + 6) \\
&:= (7 + 7)/7 + (77 \times (777 - 7)/7) \\
&:= 8 + ((88 \times (88 + 8) + 8) + 8) \\
&:= 9 + (((99/9) + 9 \times 9)^{(9+9)/9}) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8473 &:= 11 + (((11 + (11 - 1 - 1)^{1+1})^{1+1}) - (1 + 1)) \\
&:= 2/2 + (2 \times (2 \times ((2 \times 22 + 2)^2 + 2))) \\
&:= 3 + ((3/3 + 3)^{3+3} + ((3 + 3) \times 3^{3+3})) \\
&:= 4 + (((4 \times (44 \times (44 + 4) + 4)) + 4/4) + 4) \\
&:= ((5 + 5 + 5) \times (555 + 5 + 5)) - (5 + 5)/5 \\
&:= (6 \times 6 + 6/6) \times ((6 \times 6 \times 6 + 6/6 + 6) + 6) \\
&:= 7 + ((77/7 \times (777 - (7/7 + 7))) + 7) \\
&:= 8 + (((88 \times (88 + 8) + 8/8) + 8) + 8) \\
&:= 9 + (((99/9) + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8474 &:= 11 + (((11 + (11 - 1 - 1)^{1+1})^{1+1}) - 1) \\
&:= 2 + (2 \times (2 \times ((2 \times 22 + 2)^2 + 2))) \\
&:= ((3^{3+3} - 3)/3) + (3 \times (33/3 + 3)^3) \\
&:= 4 + ((444 - 4)/4 \times ((4 - 4/4)^4 - 4)) \\
&:= ((5 + 5 + 5) \times (555 + 5 + 5)) - 5/5 \\
&:= ((6 + 6)/6 + 6 \times 6) \times (6 \times 6 \times 6 + 6/6 + 6) \\
&:= (77/7 \times ((777 - 7) + 7/7)) - 7 \\
&:= 8 + (((88 \times (88 + 8) + ((8 + 8)/8)) + 8) + 8) \\
&:= 9 + (((99/9) + 9 \times 9)^{(9+9)/9}) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8475 &:= 11 + ((11 + (11 - 1 - 1)^{1+1})^{1+1}) \\
&:= 22/2 + ((2 \times (2 \times 22 + 2))^2) \\
&:= 3 \times ((33/3 + 3)^3 + 3 \times 3^3) \\
&:= 44/4 + (4 \times (44 \times (44 + 4) + 4)) \\
&:= (5 + 5 + 5) \times (555 + 5 + 5) \\
&:= 6 + (((6 \times 6/(6 + 6))^6) - 6 \times 6) + (6^{6-6/6}) \\
&:= 7 + ((77 \times (777 - 7)/7) - ((7 + 7)/7)) \\
&:= 8 + ((88 \times (88 + 8) + (88/8)) + 8) \\
&:= 9 + (((9 + 9)/9) + 9 \times 9) \times (999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8476 &:= 1 + (11 + ((11 + (11 - 1 - 1)^{1+1})^{1+1})) \\
&:= 2 \times ((2 \times ((2 \times 22 + 2)^2 + 2)) + 2) \\
&:= 3/3 + (3 \times ((33/3 + 3)^3 + 3 \times 3^3)) \\
&:= ((44 - 4) \times (4^4 - 44)) - 4 \\
&:= 5/5 + ((5 + 5 + 5) \times (555 + 5 + 5)) \\
&:= 6 + (((66/6 + 66) \times ((666 - 6)/6)) \\
&:= 7 + ((77 \times (777 - 7)/7) - 7/7) \\
&:= 8 + ((88 \times (88 + 8) + ((88 + 8)/8)) + 8) \\
&:= (99 + 9)/9 + (((99/9) + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8477 &:= (1 + ((1 + 1) \times (1 + 1 + 1))) \times (1 + (11 \times (111 - 1))) \\
&:= 2 + (((2 \times (2 \times 22 + 2))^2) + 22/2) \\
&:= (3 \times (3 \times (((3 + 3)^3 - 3) + 3^{3+3}))) - 3/3 \\
&:= 4/4 + (((44 - 4) \times (4^4 - 44)) - 4) \\
&:= 5 + ((5 + 5)/5 \times (5555/5 + 5^5)) \\
&:= 6 \times 6 + (((6^{6-6/6}) - 6/6) + 666) \\
&:= 7 + (77 \times (777 - 7)/7) \\
&:= 8 + ((88 \times (88 + 8) + (88 + 8 + 8)/8) + 8) \\
&:= 9 \times 999 - (((9 + 9)/9)^9) + ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8478 &:= (1+1) \times ((1+11)^{1+1} + (((1+1)^{1+11}) - 1)) \\
&:= 2 + (2 \times ((2 \times (2 \times 22 + 2)^2 + 2) + 2)) \\
&:= 3 \times (3 \times (((3+3)^3 - 3) + 3^{3+3})) \\
&:= ((44-4) \times (4^4 - 44)) - (4+4)/4 \\
&:= (55-5/5) \times (((5+5)/5)^5 + 5 \times 5 \times 5) \\
&:= 6 \times 6 + (((6^{6-6/6}) + 666) \\
&:= 7 + ((77 \times (777-7)/7) + 7/7) \\
&:= 8 + (88 \times (88+8) + (88+88)/8) \\
&:= (9 \times (9 \times (99+9+9))) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8479 &:= ((1+1) \times ((1+11)^{1+1} + ((1+1)^{1+11}))) - 1 \\
&:= 2 + (((2 \times (2 \times 22 + 2)^2) + 22/2) + 2) \\
&:= (3^3 \times 333) - ((3-3/3)^{3 \times 3}) \\
&:= ((44-4) \times (4^4 - 44)) - 4/4 \\
&:= 5 + (((5+5+5) \times (555+5+5)) - 5/5) \\
&:= 6 \times 6 + (((6^{6-6/6}) + 666) + 6/6) \\
&:= 7 + ((77 \times (777-7)/7) + ((7+7)/7)) \\
&:= 8 + (((88 \times (88+8) - 8/8) + 8) + 8) + 8) \\
&:= 9 \times 999 - ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8480 &:= (1+1) \times ((1+11)^{1+1} + ((1+1)^{1+11})) \\
&:= 2 \times (2 \times (((2 \times 22 + 2)^2 + 2) + 2)) \\
&:= (33 - 3/3) \times (((33 \times (3^3 - 3)) + 3)/3) \\
&:= (44 - 4) \times (4^4 - 44) \\
&:= 5 + ((5+5+5) \times (555+5+5)) \\
&:= (6^{6-6/6}) + ((66/6) \times ((6+6)/6)^6) \\
&:= ((77-7)/7) \times ((77 \times 77 + 7)/7) \\
&:= 8 + (((88 \times (88+8) + 8) + 8) + 8) \\
&:= 9/9 + (9 \times 999 - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8481 &:= 1 + ((1+1) \times ((1+11)^{1+1} + ((1+1)^{1+11}))) \\
&:= 2/2 + (((2 \times (2 \times 22 + 2)^2) + 2^{2+2}) \\
&:= 33 \times (((3^{3+3} + 33)/3) + 3) \\
&:= 4/4 + ((44-4) \times (4^4 - 44)) \\
&:= 5 + (((5+5+5) \times (555+5+5)) + 5/5) \\
&:= 66/6 \times (((6 \times 6/(6+6))^6 + 6 \times 6) + 6) \\
&:= 77/7 \times ((777-7) + 7/7) \\
&:= 8 + (((88 \times (88+8) + 8/8) + 8) + 8) + 8) \\
&:= (9+9)/9 + (9 \times 999 - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8482 &:= (1+1) \times (1 + ((1+11)^{1+1} + ((1+1)^{1+11}))) \\
&:= 2 + (((2 \times (2 \times 22 + 2)^2) + 2^{2+2}) \\
&:= 3 + ((3^3 \times 333) - ((3-3/3)^{3 \times 3})) \\
&:= (4+4)/4 + ((44-4) \times (4^4 - 44)) \\
&:= (5+5)/5 \times ((5555/5 + 5^5) + 5) \\
&:= 6 + (((66/6 + 66) \times ((666-6)/6) + 6) \\
&:= 7/7 + (77/7 \times ((777-7) + 7/7)) \\
&:= 8 + (((88 \times (88+8) + (8+8)/8) + 8) + 8) + 8) \\
&:= 9 + (((99/9) + 9 \times 9)^{(9+9)/9} + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8483 &:= 1 + ((1+1) \times (1 + ((1+11)^{1+1} + ((1+1)^{1+11})))) \\
&:= 22 + (((2 \times (2 \times 22 + 2)^2) - (2/2 + 2)) \\
&:= 3 + ((33 - 3/3) \times (((33 \times (3^3 - 3)) + 3)/3)) \\
&:= 4 + (((44-4) \times (4^4 - 44)) - 4/4) \\
&:= 5 + ((55-5/5) \times (((5+5)/5)^5 + 5 \times 5 \times 5)) \\
&:= 6 + (((6^{6-6/6}) - 6/6) + 666) + 6 \times 6) \\
&:= 7 + (((77 \times (777-7)/7) - 7/7) + 7) \\
&:= 8 + (((88 \times (88+8) + (88/8)) + 8) + 8) \\
&:= ((9-9/9) + 9) \times ((9 \times 999 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8484 &:= (1+1) \times (1 + (1 + ((1+11)^{1+1} + ((1+1)^{1+11})))) \\
&:= 22 + (((2 \times (2 \times 22 + 2)^2) - 2) \\
&:= 3 + (33 \times (((3^{3+3} + 33)/3) + 3)) \\
&:= 4 + ((44-4) \times (4^4 - 44)) \\
&:= ((5-5/5+5) + 5) \times ((55 \times 55 + 5)/5) \\
&:= 6 + (((6^{6-6/6}) + 666) + 6 \times 6) \\
&:= 7 + ((77 \times (777-7)/7) + 7) \\
&:= ((88+8)/8) \times ((8 \times 88 - 8) + (88/8)) \\
&:= ((9+9)/9 + 99) \times (((9+9+9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8485 &:= 1 + ((1+1) \times (1 + (1 + ((1+11)^{1+1} + ((1+1)^{1+11})))) \\
&:= 22 + (((2 \times (2 \times 22 + 2)^2) - 2/2) \\
&:= 3 + (((3^3 \times 333) - ((3-3/3)^{3 \times 3}) + 3) \\
&:= 4 + (((44-4) \times (4^4 - 44)) + 4/4) \\
&:= 5 + (((5+5+5) \times (555+5+5)) + 5) \\
&:= 6 \times 666 + ((66+6/6)^{(6+6)/6}) \\
&:= 7 \times 7 + ((77-7/7) \times 777/7) \\
&:= 88 \times (88+8) + 888/(8+8+8) \\
&:= ((9+9) \times ((9+9)/9)^9) - (9 \times 9 \times 9 + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8486 &:= 11 + (11 + ((11 + (11 - 1 - 1)^{1+1})^{1+1})) \\
&:= 22 + ((2 \times (2 \times 22 + 2)^2) \\
&:= 3^3 + ((33 \times (3+3)^3) + (33/3)^3) \\
&:= 4 + (((44-4) \times (4^4 - 44)) + (4+4)/4) \\
&:= 55/5 + ((5+5+5) \times (555+5+5)) \\
&:= 6 + (((66/6) \times ((6+6)/6)^6) + (6^{6-6/6})) \\
&:= 7 \times (7 \times 7 - 7) + (((7+7)/7)^{7-7/7+7}) \\
&:= 8 + ((88 \times (88+8) + (88+88)/8) + 8) \\
&:= ((9+9) \times ((9+9)/9)^9) - (9 \times 9 \times 9 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8487 &:= (1+1+1) \times ((1 + (11+11)) \times (1 + (1+11)^{1+1})) \\
&:= 22 + (((2 \times (2 \times 22 + 2)^2) + 2/2) \\
&:= 3 \times ((3 \times (((3+3)^3 - 3) + 3^{3+3})) + 3) \\
&:= 4 + (((44-4) \times (4^4 - 44)) - 4/4) + 4) \\
&:= 5 + ((5+5)/5 \times ((5555/5 + 5^5) + 5)) \\
&:= 6 + ((66/6) \times (((6 \times 6/(6+6))^6 + 6 \times 6) + 6)) \\
&:= (77/7 \times (777-7/7)) - 7 \times 7 \\
&:= (8/8+8) \times ((888-8/8-8) + 8 \times 8) \\
&:= 9 \times (((9+9)/9)^{9/9+9} - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8488 &:= (1+1) \times ((1+1)^{11} + (((1+1+11)^{1+1+1}) - 1)) \\
&:= 2 + (((2 \times (2 \times 22 + 2)^2) + 22) \\
&:= ((3/3+3)^3) + ((3+3)^3 \times (33+3+3)) \\
&:= 4 + (((44-4) \times (4^4 - 44)) + 4) \\
&:= 5^5 + (((5-5+5)/5)^5 + 5 \times (5-5/5)^5) \\
&:= 6 \times 6 + (((6+6)/6)^{6+6}) + 66 \times 66) \\
&:= 7 + (77/7 \times ((777-7) + 7/7)) \\
&:= 8 + (((88 \times (88+8) + 8) + 8) + 8) + 8) \\
&:= 9 + (9 \times 999 - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8489 &:= ((1+1)^{1+1+11}) + (11 \times (1+1+1)^{1+1+1}) \\
&:= 2 + (((2 \times (2 \times 22 + 2)^2) + 2/2) + 22) \\
&:= 3 + (((33 \times (3+3)^3) + (33/3)^3) + 3^3) \\
&:= 4 + (((44-4) \times (4^4 - 44)) + 4/4) + 4) \\
&:= ((5+5+5) \times (555 + (55/5))) - 5/5) \\
&:= 66 + ((6+6) \times (666 + 6 \times 6) - 6/6) \\
&:= ((7/7+7) \times (7777/7 - 7 \times 7)) - 7 \\
&:= 8 + (((88 \times (88+8) + 8/8) + 8) + 8) + 8) \\
&:= 9 + ((9 \times 999 - ((9+9)/9)^9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8490 &:= (1+1) \times ((1+1)^{11} + ((1+1+11)^{1+1+1})) \\
&:= 2 + (((2 \times (2 \times 22 + 2)^2) + 22) + 2) \\
&:= (3+3) \times (((33/3)^3 + 3 \times 3^3) + 3) \\
&:= 44 + ((4 \times 44 \times (44+4)) - (4+4)/4) \\
&:= (5+5+5) \times (555 + (55/5)) \\
&:= 66 + (6+6) \times (666 + 6 \times 6) \\
&:= (7-7/7) \times ((77/7 \times ((7+7)/7)^7) + 7) \\
&:= (8-8/8)/8 \times ((88 \times (8+8) - 8/8) + 8) \\
&:= 99/9 + (9 \times 999 - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8491 &:= 1 + ((1+1) \times ((1+1)^{11} + ((1+1+11)^{1+1+1}))) \\
&:= (22 \times ((2^{2+2} \times (22+2)) + 2)) - 2/2 \\
&:= 3^3 + ((3 \times 3^3 + 33/3)^{3-3/3}) \\
&:= 44 + ((4 \times 44 \times (44+4)) - 4/4) \\
&:= 5/5 + ((5+5+5) \times (555 + (55/5))) \\
&:= 66 + ((6+6) \times (666 + 6 \times 6) + 6/6) \\
&:= 77 \times 777/7 - (7 \times 7 + 7) \\
&:= (8-8/8) \times (88/8 \times 888/8 - 8) \\
&:= 9 + (((99/9) + 9 \times 9)^{(9+9)/9} + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8492 &:= (1+1) \times (1 + ((1+1)^{11} + ((1+1+11)^{1+1+1}))) \\
&:= 22 \times ((2^{2+2} \times (22+2)) + 2) \\
&:= 33 + ((33 \times (3+3)^3) + (33/3)^3) \\
&:= 44 + (4 \times 44 \times (44+4)) \\
&:= (5+5)/5 + ((5+5+5) \times (555 + (55/5))) \\
&:= 66 + ((6+6) \times (666 + 6 \times 6) + ((6+6)/6)) \\
&:= 77/7 \times (((7+7)/7 - 7) + 777) \\
&:= 88 \times (88+8) + (88/(8+8)/8) \\
&:= 9 \times 999 + ((9-9 \times 999)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8493 &:= ((111 - 1 - 1 - 11)^{1+1}) - 1111 \\
&:= 2/2 + (22 \times ((2^{2+2} \times (22 + 2)) + 2)) \\
&:= (3 \times ((3 \times (3^{3+3} + (3 + 3)^3)) - 3)) - 3 \\
&:= 44 + ((4 \times 44 \times (44 + 4)) + 4/4) \\
&:= ((5 - (5 + 5)/5)^5) + (5 \times (55 \times (5 \times 5 + 5))) \\
&:= (6^{6-6/6}) + (((6 \times 6)/(6 + 6))^6) - (6 + 6) \\
&:= (7 \times (7 \times (7 + 7) \times (7 + 7))) - 7777/7 \\
&:= (88/8 + 8) \times (8 \times (8 \times 8 - 8) - 8/8) \\
&:= 9 + (((9 + 9)/9 + 99) \times (((9 + 9 + 9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8494 &:= 1 + (((111 - 1 - 1 - 11)^{1+1}) - 1111) \\
&:= 2 + (22 \times ((2^{2+2} \times (22 + 2)) + 2)) \\
&:= (3 \times (3 + 3))^3 + ((3 - 3/3) \times (33/3)^3) \\
&:= 44 + ((4 \times 44 \times (44 + 4)) + (4 + 4)/4) \\
&:= ((5 \times 5 + 5/5) + 5) \times (5 \times 55 - 5/5) \\
&:= ((6 + 6) \times (666 + 6 \times 6 + 6)) - (6 + 6)/6 \\
&:= 7 + ((77/7 \times (777 - 7/7)) - 7 \times 7) \\
&:= (8 \times 8 - ((8 + 8)/8)) \times ((8 \times (8 + 8) + 8/8) + 8) \\
&:= (9 \times (9 \times (99 + 9) - (9 + 9 + 9))) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8495 &:= ((1 + 11)^{1+1} \times ((11^{1+1} - 1)/(1 + 1) - 1)) - 1 \\
&:= (2 \times 22)^2 + ((2/2 + 2)^{2 \times (2+2)} - 2) \\
&:= (33/3 + 3)^3 + (3^3 \times ((3 + 3)^3 - 3)) \\
&:= (4 \times ((4 + 4) \times (4^4 + 4) + 44)) - 4/4 \\
&:= 5 + ((5 + 5 + 5) \times (555 + (55/5))) \\
&:= ((6 + 6) \times (666 + 6 \times 6 + 6)) - 6/6 \\
&:= 7 + ((77/7 \times ((777 - 7) + 7/7)) + 7) \\
&:= 8 \times 8 + (88 \times (88 + 8) - (8/8 + 8 + 8)) \\
&:= (((9 + 9)/9)^9) + (999 \times (9 - 9/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8496 &:= (1 + 11)^{1+1} \times ((11^{1+1} - 1)/(1 + 1) - 1) \\
&:= 2^{2+2} \times (((22 + 2/2)^2) + 2) \\
&:= 3 \times ((3 \times (3^{3+3} + (3 + 3)^3)) - 3) \\
&:= 4 \times ((4 + 4) \times (4^4 + 4) + 44) \\
&:= (5/5 + 5)^5 + ((5/5 + 5) \times (5 \times 5 \times 5 - 5)) \\
&:= (6 + 6) \times (666 + 6 \times 6 + 6) \\
&:= (7/7 + 7) \times (7777/7 - 7 \times 7) \\
&:= 8 \times 8 + (88 \times (88 + 8) - (8 + 8)) \\
&:= (9 - 9/9) \times ((9 \times (99 + 9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8497 &:= (11^{1+1+1+1}) - ((1 + 1 + 1) \times (1 + 1)^{11}) \\
&:= (2 \times 22)^2 + (2/2 + 2)^{2 \times (2+2)} \\
&:= 3/3 + (3 \times ((3 \times (3^{3+3} + (3 + 3)^3)) - 3)) \\
&:= 44 \times 44 + (((4 - 4/4)^{4+4}) \\
&:= 5 \times 5 + ((5 + 5)/5 \times (5555/5 + 5^5)) \\
&:= 6/6 + ((6 + 6) \times (666 + 6 \times 6 + 6)) \\
&:= 77 \times 7777/7 - (7/7 + 7 \times 7) \\
&:= 8/8 + ((88 \times (88 + 8) - (8 + 8)) + 8 \times 8) \\
&:= 9 + ((9 \times 999 - ((9 + 9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8498 &:= 1 + ((11^{1+1+1+1}) - ((1 + 1 + 1) \times (1 + 1)^{11})) \\
&:= 2 + (2^{2+2} \times (((22 + 2/2)^2) + 2)) \\
&:= ((3 - 3/3)^{3 \times 3}) + ((3 + 3) \times (33/3)^3) \\
&:= 4/4 + (((4 - 4/4)^{4+4}) + 44 \times 44) \\
&:= 5 + ((5 \times (55 \times (5 \times 5 + 5))) + ((5 - (5 + 5)/5)^5)) \\
&:= (6 + 6)/6 + ((6 + 6) \times (666 + 6 \times 6 + 6)) \\
&:= 77 \times 7777/7 - 7 \times 7 \\
&:= (8 - 8/8) \times (8 \times (8 \times 8 + 88) - ((8 + 8)/8)) \\
&:= 9 + (((9 \times 999 - ((9 + 9)/9)^9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8499 &:= 1 + (1 + ((11^{1+1+1+1}) - ((1 + 1 + 1) \times (1 + 1)^{11}))) \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} + (2 \times 22)^2) \\
&:= 3 + (3 \times ((3 \times (3^{3+3} + (3 + 3)^3)) - 3)) \\
&:= 4 + ((4 \times ((4 + 4) \times (4^4 + 4) + 44)) - 4/4) \\
&:= 5 + (((5 \times 5 + 5/5) + 5) \times (5 \times 55 - 5/5)) \\
&:= (6^{6-6/6}) + (((6 \times 6)/(6 + 6))^6) - 6 \\
&:= 7/7 + (77 \times 7777/7 - 7 \times 7) \\
&:= 8 + ((8 - 8/8) \times (88/8 \times 888/8 - 8)) \\
&:= 9 + ((9 \times 999 - ((9 + 9)/9)^9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8500 &:= (1 + 1) \times (((1 + 1)^{1+11}) + (11 \times (1 + (1 + 1 + 11)))) \\
&:= 2 \times ((2 \times ((2 \times 22 + 2)^2 - 2)) + 22) \\
&:= (3/3 + 33) \times (((3^{3+3} + 3)/3) + 3) + 3 \\
&:= 4 + (4 \times ((4 + 4) \times (4^4 + 4) + 44)) \\
&:= 5 \times (((55 \times (5 \times 5 + 5)) - 5) + 55) \\
&:= (6^{6-6/6}) + ((66 \times 66 - 6 - 6)/6) \\
&:= (7 + 7)/7 + (77 \times 7777/7 - 7 \times 7) \\
&:= 8 + (88 \times (88 + 8) + (88/((8 + 8)/8))) \\
&:= ((9 - 9/9) + 9) \times ((9 \times 999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8501 &:= ((111 - 1 - 1) \times (111 - (11 \times (1 + 1 + 1)))) - 1 \\
&:= 2 + (((2/2 + 2)^{2 \times (2+2)} + (2 \times 22)^2) + 2) \\
&:= (3 \times (3 \times (3^{3+3} + (3 + 3)^3)) - (3/3 + 3)) \\
&:= 4 + (((4 - 4/4)^{4+4}) + 44 \times 44) \\
&:= (5/5 + 5)^5 + (5 \times (5 \times (5 \times 5 + 5) - 5)) \\
&:= (6^{6-6/6}) + ((66 \times 66 - 6)/6) \\
&:= 7 + (((77/7 \times (777 - 7/7)) - 7 \times 7) + 7) \\
&:= 8 \times 8 + (88 \times (88 + 8) - (88/8)) \\
&:= 9 + (((9 - 9 \times 999)/(9 + 9)) + 9 \times 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8502 &:= (111 - 1 - 1) \times (111 - (11 \times (1 + 1 + 1))) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) + (22 - 2)^2) \\
&:= (3^3 - 3/3) \times (333 - (3 + 3)) \\
&:= 4 + (((4 - 4/4)^{4+4}) + 44 \times 44) + 4/4 \\
&:= 5/5 + ((5 \times (5 \times (5 \times 5 + 5) - 5)) + (5/5 + 5)^5) \\
&:= 6 + ((6 + 6) \times (666 + 6 \times 6 + 6)) \\
&:= (7/7 + 77) \times (77/7 + 7 \times (7 + 7)) \\
&:= 8 \times 8 + (88 \times (88 + 8) + (8 - 88)/8) \\
&:= (9/9 + 99 + 9) \times (9 \times 9 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8503 &:= 11 \times (((1 + (1 + 1 + 1)^{1+1+1})^{1+1}) - 11) \\
&:= 222 + (((2 \times 2 \times 22 + 2/2) + 2)^2) \\
&:= 3/3 + ((3^3 - 3/3) \times (333 - (3 + 3))) \\
&:= 44 + ((4 \times 44 \times (44 + 4)) + 44/4) \\
&:= 55 + (((5 + 5)/5)^5 \times (5 \times 55 - (55/5))) \\
&:= (6^{6-6/6}) + ((66 \times 66 + 6)/6) \\
&:= 77/7 \times ((777 - (77/7)) + 7) \\
&:= 8 \times 8 + (88 \times (88 + 8) - (8/8 + 8)) \\
&:= (9 \times (9 \times (99 + 9) - (9 + 9 + 9))) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8504 &:= 1 + (11 \times (((1 + (1 + 1 + 1)^{1+1+1})^{1+1}) - 11)) \\
&:= 2 \times (((2 \times (2 \times 22 + 2)^2) - 2) + 22) \\
&:= (3 \times (3 \times (3^{3+3} + (3 + 3)^3))) - 3/3 \\
&:= 4 + ((4 \times ((4 + 4) \times (4^4 + 4) + 44)) + 4) \\
&:= (5 - 5/5) \times ((5 \times 5 - (5 - 5/5)^5) + 5^5) \\
&:= (6^{6-6/6}) + (((6 \times 6)/(6 + 6))^6) - 6/6 \\
&:= 7 + (77 \times 7777/7 - (7/7 + 7 \times 7)) \\
&:= 8 \times 8 + (88 \times (88 + 8) - 8) \\
&:= (((9 + 9)/9)^9) + 999 \times (9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8505 &:= (11 - 1 - 1)^{1+1} \times (111 - ((1 + 1) \times (1 + 1 + 1))) \\
&:= (22^2 + 2)/2 \times ((22/2 + 22) + 2) \\
&:= 3 \times (3 \times (3^{3+3} + (3 + 3)^3)) \\
&:= 4 + (((4 - 4/4)^{4+4}) + 44 \times 44) + 4 \\
&:= ((5 \times 5 + 5) + 5) \times ((5 - (5 + 5)/5)^5) \\
&:= (6^{6-6/6}) + ((6 \times 6)/(6 + 6))^6 \\
&:= 7 + (77 \times 7777/7 - 7 \times 7) \\
&:= 8/8 + ((88 \times (88 + 8) - 8) + 8 \times 8) \\
&:= 9 \times (9 \times (99 + 9) - (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8506 &:= 1 + ((11 - 1 - 1)^{1+1} \times (111 - ((1 + 1) \times (1 + 1 + 1)))) \\
&:= 2 \times 22 + (((2 \times (2 \times 22 + 2))^2) - 2) \\
&:= 3/3 + (3 \times (3 \times (3^{3+3} + (3 + 3)^3))) \\
&:= 44 + ((4 \times (44 \times (44 + 4) + 4)) - (4 + 4)/4) \\
&:= 5 + ((5 \times (5 \times (5 \times 5 + 5) - 5)) + (5/5 + 5)^5) \\
&:= 6/6 + (((6 \times 6)/(6 + 6))^6) + (6^{6-6/6}) \\
&:= 7 + ((77 \times 7777/7 - 7 \times 7) + 7/7) \\
&:= 8 \times 8 + ((88 \times (88 + 8) - 8) + ((8 + 8)/8)) \\
&:= 9/9 + (9 \times (9 \times (99 + 9) - (9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8507 &:= 11 + ((1 + 11)^{1+1} \times ((11^{1+1} - 1)/(1 + 1) - 1)) \\
&:= 2 \times 22 + (((2 \times (2 \times 22 + 2))^2) - 2/2) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} + (3 + 3)^3))) - 3/3) \\
&:= 44 + ((4 \times (44 \times (44 + 4) + 4)) - 4/4) \\
&:= (5/5 + 5)^5 + ((555 + 5^5)/5 - 5) \\
&:= 6 + (((66 \times 66 - 6)/6) + (6^{6-6/6})) \\
&:= (77/7 \times (777 - ((7 + 7 + 7)/7))) - 7 \\
&:= 8 \times 8 + ((88 \times (88 + 8) - (8 + 8)) + (88/8)) \\
&:= (9 + 9)/9 + (9 \times (9 \times (99 + 9) - (9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8508 &:= (1+11) \times (11 \times 111 - (1+1)^{11-1-1}) \\
&:= 2 \times ((2 \times (2 \times 22 + 2)^2) + 22) \\
&:= 3 + (3 \times (3 \times (3^{3+3} + (3+3)^3)) \\
&:= 44 + (4 \times (44 \times (44+4) + 4)) \\
&:= (5/5 + 5)^5 + (((555 + 5^5) + 5)/5) - 5 \\
&:= 66 + ((6^{6-6/6}) + 666) \\
&:= 7 \times 7 + (77/7 \times (777 - (7/7 + 7))) \\
&:= 8 \times 8 + (88 \times (88 + 8) - 8 \times 8 / (8 + 8)) \\
&:= (99 + 9)/9 \times (9 \times 9 \times 9 - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8513 &:= (1 + ((1+1) \times ((1+1+111)^{1+1}))) / (1+1+1) \\
&:= 2/2 + ((222 + 2) \times ((2+2+2)^2 + 2)) \\
&:= (3 \times ((3 \times (3^{3+3} + (3+3)^3)) + 3)) - 3/3 \\
&:= 4/4 + (4 \times (44 \times (44+4) + 4 \times 4)) \\
&:= (5/5 + 5)^5 + (((555 + 5^5) + 5)/5) \\
&:= (6^{6-6/6}) + ((66/6) \times (66 + 6/6)) \\
&:= 77 + ((77 - 7/7) \times 777/7) \\
&:= 8/8 + (88 \times (88 + 8) + 8 \times 8) \\
&:= 9 \times 9 \times 99 + (((9+9)/9)^9) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8518 &:= (1 + (1111 \times (1 + (11 + 11)))) / (1 + 1 + 1) \\
&:= 2 + (((2^{2+2} + 2)^2) + (2^{22/2+2})) \\
&:= 3/3 + ((3 \times (3 \times 3 + 3)^3) + 3333) \\
&:= 4 + ((4 \times (4 + 4) + 4/4) \times ((4+4)/4 + 4^4)) \\
&:= (55 \times (5 \times (5 \times 5 + 5) + 5)) - ((5+5)/5 + 5) \\
&:= 6 + (((6+6)/6)^6 \times (66 + 6/6 + 66)) \\
&:= (77/7 \times (777 - ((7+7)/7))) - 7 \\
&:= 8 + ((88 \times (88 + 8) - ((8+8)/8)) + 8 \times 8) \\
&:= 9 \times 9 \times 99 + ((9 \times 999 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8509 &:= (((1+1) \times ((1+1+111)^{1+1})) - 11) / (1+1+1) \\
&:= 2/2 + (((2 \times (2 \times 22 + 2)^2) + 2 \times 22) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} + (3+3)^3))) + 3/3) \\
&:= 44 + ((4 \times (44 \times (44+4) + 4)) + 4/4) \\
&:= (55 \times (5 \times (5 \times 5 + 5) + 5)) - (55/5 + 5) \\
&:= 6 + (((66 \times 66 + 6)/6) + (6^{6-6/6})) \\
&:= (77/7 \times (777 + 7/7)) - 7 \times 7 \\
&:= 8 + ((88 \times (88 + 8) - (88/8)) + 8 \times 8) \\
&:= 9 + (((9 - 9/9) + 9) \times ((9 \times 999 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8514 &:= 1 + ((1 + ((1+1) \times ((1+1+111)^{1+1}))) / (1+1+1)) \\
&:= 2 + ((222 + 2) \times ((2+2+2)^2 + 2)) \\
&:= 3 \times ((3 \times (3^{3+3} + (3+3)^3)) + 3) \\
&:= (4 \times (4 + 4) + 4/4) \times ((4+4)/4 + 4^4) \\
&:= (55 \times (5 \times (5 \times 5 + 5) + 5)) - 55/5 \\
&:= 66 \times (((666/6 + 6) + 6) + 6) \\
&:= 77/7 \times (777 - ((7+7+7)/7)) \\
&:= 8 \times 8 + (88 \times (88 + 8) + ((8+8)/8)) \\
&:= 9 + (9 \times (9 \times (99 + 9) - (9+9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8519 &:= 1 + ((1 + (1111 \times (1 + (11 + 11)))) / (1 + 1 + 1)) \\
&:= 22 + ((2/2 + 2)^{2 \times (2+2)} + (2 \times 22)^2) \\
&:= 3 + ((3 \times (3 \times (3^{3+3} + (3+3)^3))) + 33/3) \\
&:= ((44 - 4) \times ((4/4 - 44) + 4^4)) - 4/4 \\
&:= (55 \times (5 \times (5 \times 5 + 5) + 5)) - (5/5 + 5) \\
&:= 66666/6 - (6 \times (6 \times (66 + 6))) \\
&:= 7 \times 7 + (77 \times (777 - 7)/7) \\
&:= 8 + ((88 \times (88 + 8) - 8/8) + 8 \times 8) \\
&:= 9 \times 9 \times 99 + ((9 \times 999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8510 &:= (1 + (11 + 11)) \times ((1111 - 1) / (1 + 1 + 1)) \\
&:= 2 + (((2 \times (2 \times 22 + 2)^2) + 2 \times 22) \\
&:= 3 + (((3 \times (3 \times (3^{3+3} + (3+3)^3))) - 3/3) + 3) \\
&:= (4^4 - 4 - 4)/4 + (4 \times 44 \times (44 + 4)) \\
&:= 5 + (((5 \times 5 + 5) + 5) \times ((5 - (5 + 5)/5)^5)) \\
&:= 6 + (((6 \times 6 / (6 + 6))^6) - 6/6) + (6^{6-6/6}) \\
&:= 7 + (77/7 \times ((777 - (77/7)) + 7)) \\
&:= 8 \times 8 + (88 \times (88 + 8) - ((8+8)/8)) \\
&:= (9/9 + 9) \times (((9 - 9 \times 9 \times 9) / (9 + 9)) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8515 &:= ((1 + 11)^{1+1+1+1}) - (11 \times 1111) \\
&:= 2 + (((222 + 2) \times ((2+2+2)^2 + 2)) + 2/2) \\
&:= 3/3 + (3 \times ((3 \times (3^{3+3} + (3+3)^3)) + 3)) \\
&:= 4 + ((4 \times 44 \times (44 + 4)) + ((4^4 - 4)/4)) \\
&:= (55 \times (5 \times (5 \times 5 + 5) + 5)) - 5 - 5 \\
&:= (6/6 + 6 + 6) \times (666 - 66/6) \\
&:= (7 \times ((7 \times (7 \times (7 + 7) + 77)) - 7)) - 77/7 \\
&:= 8 \times 8 + ((88 \times (88 + 8) - 8) + (88/8)) \\
&:= 9 + ((9 \times (9 \times (99 + 9) - (9 + 9 + 9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8520 &:= (11^{1+1} - 1) \times (((1 + 11)^{1+1} / (1 + 1)) - 1) \\
&:= (2 - 22) \times (22 - (2 \times (222 + 2))) \\
&:= 3 + ((3 \times (3 \times 3 + 3)^3) + 3333) \\
&:= (44 - 4) \times ((4/4 - 44) + 4^4) \\
&:= (55 \times (5 \times (5 \times 5 + 5) + 5)) - 5 \\
&:= 6 + (66 \times (((666/6 + 6) + 6) + 6)) \\
&:= 7 + (((77 - 7/7) \times 777/7) + 77) \\
&:= 8 + (88 \times (88 + 8) + 8 \times 8) \\
&:= (9 \times 9 - (9/9 + 9)) \times (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8511 &:= 1 + ((1 + (11 + 11)) \times ((1111 - 1) / (1 + 1 + 1))) \\
&:= ((222 + 2) \times ((2 + 2 + 2)^2 + 2)) - 2/2 \\
&:= 3 + ((3 \times (3 \times (3^{3+3} + (3+3)^3))) + 3) \\
&:= ((4^4 - 4)/4) + (4 \times 44 \times (44 + 4)) \\
&:= 55 + (((5/5 + 5)^5 + 5^5/5) + 55) \\
&:= 6 + (((6 \times 6 / (6 + 6))^6) + (6^{6-6/6})) \\
&:= 7777 + ((7 \times (7 \times (7 + 7) + 7)) - 7/7) \\
&:= 8 \times 8 + (88 \times (88 + 8) - 8/8) \\
&:= ((9 \times 9 - (9/9 + 9)) \times (999/9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8516 &:= 1 + (((1 + 11)^{1+1+1+1}) - (11 \times 1111)) \\
&:= 2 \times ((2 \times ((2 \times 22 + 2)^2 + 2)) + 22) \\
&:= 33/3 + (3 \times (3 \times (3^{3+3} + (3+3)^3))) \\
&:= 4 + (4 \times (44 \times (44 + 4) + 4 \times 4)) \\
&:= 5/5 + ((55 \times (5 \times (5 \times 5 + 5) + 5)) - (5 + 5)) \\
&:= 66 + (((6+6)/6) \times ((66 - 6/6)^{(6+6)/6})) \\
&:= 7 + ((77/7 \times (777 + 7/7)) - 7 \times 7) \\
&:= 8 \times 8 + (88 \times (88 + 8) + 8 \times 8 / (8 + 8)) \\
&:= 99/9 + (9 \times (9 \times (99 + 9) - (9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8521 &:= 1 + ((11^{1+1} - 1) \times (((1 + 11)^{1+1} / (1 + 1)) - 1)) \\
&:= 2/2 + ((2 - 22) \times (22 - (2 \times (222 + 2)))) \\
&:= (((3 \times (3 + 3)) + 3)^3) - (3^{3+3} + 33/3) \\
&:= 4/4 + ((44 - 4) \times ((4/4 - 44) + 4^4)) \\
&:= 5/5 + ((55 \times (5 \times (5 \times 5 + 5) + 5)) - 5) \\
&:= 6 + ((6/6 + 6 + 6) \times (666 - 66/6)) \\
&:= 7 + (77/7 \times (777 - ((7+7+7)/7))) \\
&:= 8 + ((88 \times (88 + 8) + 8/8) + 8 \times 8) \\
&:= 9 \times 9 \times 99 + (((9+9)/9)^9) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8512 &:= (1 + 1) \times ((1 + 111) \times (1 + (111 / (1 + 1 + 1)))) \\
&:= (222 + 2) \times ((2 + 2 + 2)^2 + 2) \\
&:= ((3/3 + 3)^3) \times ((3 \times 33 + 33) + 3/3) \\
&:= 4 \times (44 \times (44 + 4) + 4 \times 4) \\
&:= (5/5 + 5)^5 + (555 + 5^5) / 5 \\
&:= ((6 + 6) / 6)^6 \times (66 + 6/6 + 66) \\
&:= (7 + 7) \times ((7/7 + 7) \times (77 - 7/7)) \\
&:= 8 \times 8 + 88 \times (88 + 8) \\
&:= (9 - 9/9) \times ((9 \times (99 + 9 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8517 &:= (1 + 1 + 1) \times (1111 + ((1 + 11)^{1+1+1})) \\
&:= 2/2 + (((2^{2+2} + 2)^2) + (2^{22/2+2})) \\
&:= 3333 + (3 \times (3 \times 3 + 3)^3) \\
&:= 4 + ((4 \times (44 \times (44 + 4) + 4 \times 4)) + 4/4) \\
&:= 5 + ((555 + 5^5) / 5 + (5/5 + 5)^5) \\
&:= 6 + (((6 \times 6 / (6 + 6))^6) + (6^{6-6/6}) + 6) \\
&:= 7 + ((77/7 \times ((777 - (77/7)) + 7)) + 7) \\
&:= (8/8 + 8 + 8) \times (8 \times 8 \times 8 - 88/8) \\
&:= ((9 - 9/9) + 9) \times (((9+9)/9)^9) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8522 &:= ((1 + 1)^{1+1+1+1}) + ((1 + 1 + 1) \times (111 - 1)) \\
&:= 2 + ((2 - 22) \times (22 - (2 \times (222 + 2)))) \\
&:= 3 \times 33 + (((3 + 3)^3) \times (33 + 3 + 3)) - 3/3 \\
&:= 4 + (((4 \times (4 + 4) + 4/4) \times ((4 + 4)/4 + 4^4)) + 4) \\
&:= (5 + 5) / 5 + ((55 \times (5 \times (5 \times 5 + 5) + 5)) - 5) \\
&:= 6 \times 66 + (((6 + 6) / 6)^{6+6+6}) - 66 \\
&:= (77/7 \times (777 - 7/7)) - (7 + 7) \\
&:= 8 + ((88 \times (88 + 8) + ((8+8)/8)) + 8 \times 8) \\
&:= 9 \times 9 \times 99 + (((9+9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8523 &:= 1 + (((1+1)^{1+1+11}) + ((1+1+1) \times (111-1))) \\
&:= 22/2 + ((222+2) \times ((2+2+2)^2+2)) \\
&:= 3 \times (((3 \times (3^{3+3} + (3+3)^3)) + 3) + 3) \\
&:= 44 + (((44-4) \times (4^4-44)) - 4/4) \\
&:= (55 \times (5 \times (5 \times 5+5) + 5)) - (5+5)/5 \\
&:= 6 + (((((6 \times 6/(6+6))^6) + (6^{-6/6})) + 6) + 6) \\
&:= 7 + (((77/7 \times (777+7/7)) - 7 \times 7) + 7) \\
&:= 8 \times 8 + (88 \times (88+8) + (88/8)) \\
&:= 99 + (9 \times 9 - 9) \times (99+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8524 &:= (1+1+1) \times 111 + (((1+1)^{1+1+11}) - 1) \\
&:= 2 \times ((2 \times ((2 \times 22+2)^2+2) + 2)) + 22 \\
&:= 3 + (((3 \times (3+3)) + 3)^3) - (3^{3+3} + 33/3) \\
&:= 44 + ((44-4) \times (4^4-44)) \\
&:= (55 \times (5 \times (5 \times 5+5) + 5)) - 5/5 \\
&:= 6 + (((6+6)/6)^6 \times (66+6/6+66)) + 6 \\
&:= (7 \times ((7 \times (7 \times (7+7) + 77)) - 7)) - (7+7)/7 \\
&:= 8 \times 8 + (88 \times (88+8) + ((88+8)/8)) \\
&:= 9/9 + ((9 \times 9 - 9) \times (99+9+9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8525 &:= (1+1+1) \times 111 + ((1+1)^{1+1+11}) \\
&:= 222 + ((2^{22/2+2}) + 222/2) \\
&:= 333 + ((3-3/3)^{3 \times 3+3/3+3}) \\
&:= 44 + (((44-4) \times (4^4-44)) + 4/4) \\
&:= 55 \times (5 \times (5 \times 5+5) + 5) \\
&:= 66/6 \times (66 \times (6+6) - (66/6+6)) \\
&:= 77/7 \times (777 - ((7+7)/7)) \\
&:= 88 + (88 \times (88+8) - (88/8)) \\
&:= 99/9 \times (((9-9/9) \times (99-9/9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8526 &:= 1 + ((1+1+1) \times 111 + ((1+1)^{1+1+11})) \\
&:= 2^{2+2+2} + (((2 \times (2 \times 22+2))^2) - 2) \\
&:= (3+3) \times (3 \times (3^3+3) + (33/3)^3) \\
&:= ((44-4)/4+4) \times ((4/4+4)^4 - 4 \times 4) \\
&:= 5/5 + (55 \times (5 \times (5 \times 5+5) + 5)) \\
&:= 66 + ((6 \times 6 - 6) \times (6 \times 6 \times 6 + 66)) \\
&:= 7 \times ((7 \times (7 \times (7+7) + 77)) - 7) \\
&:= (8/8 - 88) \times ((8-88)/8 - 88) \\
&:= (99-9/9) \times (99 - (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8527 &:= 1 + (1 + ((1+1+1) \times 111 + ((1+1)^{1+1+11}))) \\
&:= 2^{2+2+2} + (((2 \times (2 \times 22+2))^2) - 2/2) \\
&:= 3/3 + (3 \times ((3 \times 3+3)^3 + 3) + 3333) \\
&:= 4^4 + ((44 \times (444-4^4)) - 4/4) \\
&:= (5+5)/5 + (55 \times (5 \times (5 \times 5+5) + 5)) \\
&:= 6 + (((6/6+6+6) \times (666-66/6)) + 6) \\
&:= 7/7 + (7 \times ((7 \times (7 \times (7+7) + 77)) - 7)) \\
&:= 88 + (88 \times (88+8) - (8/8+8)) \\
&:= ((99-99/9) \times (99 - ((9+9)/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8528 &:= ((1+1)^{1+1+11}) + ((1+1+1) \times (1+111)) \\
&:= 2 \times (2 \times ((2 \times 22+2)^2 + 2^{2+2})) \\
&:= (3^3 - 3/3) \times ((333 - (3+3)) + 3/3) \\
&:= 4 \times ((44 \times (44+4) + 4 \times 4) + 4) \\
&:= 5 + ((55 \times (5 \times (5 \times 5+5) + 5)) - ((5+5)/5)) \\
&:= (6/6+6+6) \times (((6-66)/6) + 666) \\
&:= 7 \times 7 \times 7 + (((7+7)/7)^{7-7/7+7}) - 7 \\
&:= 88 + (88 \times (88+8) - 8) \\
&:= (9/9+9 \times 9) \times (((9 \times 9+9)/(9+9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8529 &:= 1 + (((1+1)^{1+1+11}) + ((1+1+1) \times (1+111))) \\
&:= ((22+2/2)^2) + (22-2)^{2/2+2} \\
&:= 3 \times ((33/3+3)^3 + 3 \times 33) \\
&:= (4+4)^4 + (4444-44/4) \\
&:= 5 + ((55 \times (5 \times (5 \times 5+5) + 5)) - 5/5) \\
&:= (6+6) \times (6+6) \times (66-6) - 666/6 \\
&:= (77/7 \times (777-7/7)) - 7 \\
&:= 8/8 + ((88 \times (88+8) - 8) + 88) \\
&:= 9 + ((9 \times 9 - (9/9+9)) \times (999/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8530 &:= (1+1) \times (((1+1)^{1+11}) + (1+1+11)^{1+1}) \\
&:= 2 + (((2 \times (2 \times 22+2))^2) + 2^{2+2+2}) \\
&:= 3/3 + (3 \times ((33/3+3)^3 + 3 \times 33)) \\
&:= (4+4)^4 + ((4-44)/4 + 4444) \\
&:= 5 + (55 \times (5 \times (5 \times 5+5) + 5)) \\
&:= ((66-6)/6) \times ((6 \times (6+6) \times (6+6)) - (66/6)) \\
&:= 7/7 + ((77/7 \times (777-7/7)) - 7) \\
&:= 88 + ((88 \times (88+8) - 8) + ((8+8)/8)) \\
&:= 9 \times 9 \times 99 + (((9+9)/9)^9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8531 &:= 1 + ((1+1) \times (((1+1)^{1+11}) + (1+1+11)^{1+1})) \\
&:= 2 + ((22-2)^{2/2+2} + ((22+2/2)^2)) \\
&:= (((3 \times (3+3)) + 3)^3) - (3^{3+3} + 3/3) \\
&:= (4+4)^4 + 4444 - (4/4+4+4) \\
&:= 5 + ((55 \times (5 \times (5 \times 5+5) + 5)) + 5/5) \\
&:= ((6+6+6) \times (6 \times (66+6+6) + 6)) - 6/6 \\
&:= 77 \times 777/7 - (((7+7)/7+7) + 7) \\
&:= (88/8+8) \times (8 \times (8 \times 8-8) + 8/8) \\
&:= 9 \times 9 \times 99 + ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8532 &:= (1+1) \times (1 + (((1+1)^{1+11}) + (1+1+11)^{1+1})) \\
&:= 2 \times ((22 \times (((2^{2+2} - 2)^2) - 2)) - 2) \\
&:= (((3 \times (3+3)) + 3)^3) - 3^{3+3} \\
&:= (4+4)^4 + (4444 - (4+4)) \\
&:= 5 + ((55 \times (5 \times (5 \times 5+5) + 5)) + ((5+5)/5)) \\
&:= (6+6+6) \times (6 \times (66+6+6) + 6) \\
&:= 7 + (77/7 \times (777 - ((7+7)/7))) \\
&:= ((88+8)/8) \times ((8 \times 88 - 8/8) + 8) \\
&:= (99+9) \times (9 \times 9 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8533 &:= (1 + ((1+1) \times (1+1+1))) \times (11 \times 111 - (1+1)) \\
&:= 2/2 + (2 \times ((22 \times ((2^{2+2} - 2)^2) - 2)) - 2) \\
&:= 3/3 + (((3 \times (3+3)) + 3)^3) - 3^{3+3} \\
&:= ((4+4) \times (4 \times 4^4 + 44)) - 44/4 \\
&:= 5 + (((55 \times (5 \times (5 \times 5+5) + 5)) - ((5+5)/5)) + 5) \\
&:= 6/6 + ((6+6+6) \times (6 \times (66+6+6) + 6)) \\
&:= 77 \times 777/7 - (7+7) \\
&:= ((88+8) \times (8/8+88)) - 88/8 \\
&:= 9/9 + ((99+9) \times (9 \times 9 - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8534 &:= 1 + ((1 + ((1+1) \times (1+1+1))) \times (11 \times 111 - (1+1))) \\
&:= (22 \times ((22-2)^2 - 2)) - 222 \\
&:= 3 + (((3 \times (3+3)) + 3)^3) - (3^{3+3} + 3/3) \\
&:= (4+4)^4 + (4444 - ((4+4)/4+4)) \\
&:= 5 + (((55 \times (5 \times (5 \times 5+5) + 5)) - 5/5) + 5) \\
&:= (6 \times 6 - ((6+6)/6)) \times (6 \times (6 \times 6+6) - 6/6) \\
&:= 7/7 + (77 \times 777/7 - (7+7)) \\
&:= 88 + (88 \times (88+8) - ((8+8)/8)) \\
&:= (9+9)/9 + ((99+9) \times (9 \times 9 - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8535 &:= (111111/(1+1+11)) - 1 - 11 \\
&:= (2 \times (22 \times (((2^{2+2} - 2)^2) - 2))) - 2/2 \\
&:= 3 + (((3 \times (3+3)) + 3)^3) - 3^{3+3} \\
&:= (4+4)^4 + (4444 - (4/4+4)) \\
&:= 5 + ((55 \times (5 \times (5 \times 5+5) + 5)) + 5) \\
&:= 666/6 + (6+6) \times (666+6 \times 6) \\
&:= 7 \times 7 \times 7 + (((7+7)/7)^{7-7/7+7}) \\
&:= 88 + (88 \times (88+8) - 8/8) \\
&:= 9 + ((99-9/9) \times (99 - (99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8536 &:= 11 \times ((111 \times (1 + ((1+1) \times (1+1+1)))) - 1) \\
&:= 2 \times (22 \times (((2^{2+2} - 2)^2) - 2)) \\
&:= 3 + (((3 \times (3+3)) + 3)^3) - 3^{3+3} + 3/3 \\
&:= (4+4)^4 + (4444-4) \\
&:= 55/5 + (55 \times (5 \times (5 \times 5+5) + 5)) \\
&:= 66/6 \times (((666-6)/6) + 666) \\
&:= 77/7 \times (777-7/7) \\
&:= 88+88 \times (88+8) \\
&:= (99-99/9) \times (99 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8537 &:= 1 + (11 \times ((111 \times (1 + ((1+1) \times (1+1+1)))) - 1)) \\
&:= 2/2 + (2 \times (22 \times (((2^{2+2} - 2)^2) - 2))) \\
&:= ((33+3+3) \times ((3+3)^3 + 3)) - (3/3+3) \\
&:= 4/4 + ((4444-4) + (4+4)^4) \\
&:= ((55+5)/5) + (55 \times (5 \times (5 \times 5+5) + 5)) \\
&:= 6 + (((6+6+6) \times (6 \times (66+6+6) + 6)) - 6/6) \\
&:= 7/7 + (77/7 \times (777-7/7)) \\
&:= 8/8 + (88 \times (88+8) + 88) \\
&:= 9 + (((9+9)/9)^{99/9}) + 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8538 &:= (1+1) \times ((1+1)^{11} + (((1+1) \times 1111) - 1)) \\
&:= 2 + (2 \times (22 \times ((2^{2+2} - 2)^2) - 2)) \\
&:= ((33+3+3) \times ((3+3)^3 + 3)) - 3 \\
&:= (4+4)^4 + (4444 - (4+4)/4) \\
&:= (5/5+5) \times (((5+5)/5)^{55/5}) - 5^{5/5} \\
&:= 6 + ((6+6+6) \times (6 \times (66+6+6) + 6)) \\
&:= 77 \times 777/7 - ((7+7)/7 + 7) \\
&:= 88 + (88 \times (88+8) + ((8+8)/8)) \\
&:= 9 \times 9 \times (99+9) - (999/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8539 &:= ((1+1) \times ((1+1)^{11} + ((1+1) \times 1111))) - 1 \\
&:= (2 \times (2^{22/2} + 2222)) - 2/2 \\
&:= 3/3 + (((33+3+3) \times ((3+3)^3 + 3)) - 3) \\
&:= (4+4)^4 + (4444 - 4/4) \\
&:= ((5+5+5) \times (5^5/5 - 55)) - 55/5 \\
&:= 6 + (((6+6+6) \times (6 \times (66+6+6) + 6)) + 6/6) \\
&:= 77 \times 777/7 - (7/7 + 7) \\
&:= (888/8 \times (88 - 88/8)) - 8 \\
&:= 9 + ((9 \times 9 \times 99 - 9/9) + ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8540 &:= (1+1) \times ((1+1)^{11} + ((1+1) \times 1111)) \\
&:= 2 \times (2^{22/2} + 2222) \\
&:= ((33 - 3/3) + 3) \times ((3^{3+3} + 3)/3) \\
&:= (4+4)^4 + 4444 \\
&:= 5 + (((55 \times (5 \times (5 \times 5 + 5) + 5)) + 5) + 5) \\
&:= (6/6 + 6) \times ((66 \times 666/6 - 6)/6) \\
&:= 77 \times 777/7 - 7 \\
&:= 8 + (((88+8)/8) \times ((8 \times 88 - 8/8) + 8)) \\
&:= 9 + (9 \times 9 \times 99 + ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8541 &:= 1 + ((1+1) \times ((1+1)^{11} + ((1+1) \times 1111))) \\
&:= 2/2 + (2 \times (2^{22/2} + 2222)) \\
&:= (33+3+3) \times ((3+3)^3 + 3) \\
&:= 4/4 + (4444 + (4+4)^4) \\
&:= 5 + ((55 \times (5 \times (5 \times 5 + 5) + 5)) + (55/5)) \\
&:= (66+6/6+6) \times (666/6+6) \\
&:= 7/7 + (77 \times 777/7 - 7) \\
&:= 8 + (((88+8) \times (8/8+88)) - (88/8)) \\
&:= 9999 - 9 \times 9 \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8542 &:= (1+1) \times (1 + ((1+1)^{11} + ((1+1) \times 1111))) \\
&:= 2 + (2 \times (2^{22/2} + 2222)) \\
&:= 3/3 + ((33+3+3) \times ((3+3)^3 + 3)) \\
&:= (4+4)^4 + (4444 + (4+4)/4) \\
&:= (555555/(55+5+5)) - 5 \\
&:= 6 + ((66/6) \times (((666-6)/6) + 666)) \\
&:= (7+7)/7 + (77 \times 777/7 - 7) \\
&:= ((88+8) \times (8/8+88)) - (8+8)/8 \\
&:= 9/9 + (9999 - 9 \times 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8543 &:= 1 + ((1+1) \times (1 + ((1+1)^{11} + ((1+1) \times 1111)))) \\
&:= 2 + ((2 \times (2^{22/2} + 2222)) + 2/2) \\
&:= 3 + (((33 - 3/3) + 3) \times ((3^{3+3} + 3)/3)) \\
&:= ((4+4) \times (4 \times 4^4 + 44)) - 4/4 \\
&:= 5 \times 5 \times 55 + (((5+5)/5 + 5) \times (5 - 5/5)^5) \\
&:= 66/6 + ((6+6+6) \times (6 \times (66+6+6) + 6)) \\
&:= 7 + (77/7 \times (777 - 7/7)) \\
&:= ((88+8) \times (8/8+88)) - 8/8 \\
&:= (9+9)/9 + (9999 - 9 \times 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8544 &:= (1+1) \times ((1+1)^{11} + ((1+1) \times (1+1111))) \\
&:= 2 \times ((2^{22/2} + 2222) + 2) \\
&:= 3 + ((33+3+3) \times ((3+3)^3 + 3)) \\
&:= (4+4) \times (4 \times 4^4 + 44) \\
&:= (5/5+5) \times ((5 \times ((5 \times 55+5) + 5)) - 5/5) \\
&:= (6^{6-6/6}) + ((6+6) \times ((6+6)/6)^6) \\
&:= 77 \times 777/7 - (7+7+7)/7 \\
&:= (88+8) \times (8/8+88) \\
&:= (99+9)/9 \times ((9 \times 9 \times 9 - (9+9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8545 &:= (111111/(1+1+11)) - 1 - 1 \\
&:= (2/2+2)^{2+2} + ((2 \times (2 \times 22+2))^2) \\
&:= 3 + (((33+3+3) \times ((3+3)^3 + 3)) + 3/3) \\
&:= 4/4 + ((4+4) \times (4 \times 4^4 + 44)) \\
&:= ((5+5+5) \times (5^5/5 - 55)) - 5 \\
&:= 6/6 + (((6+6) \times ((6+6)/6)^6) + (6^{6-6/6})) \\
&:= 77 \times 777/7 - (7+7)/7 \\
&:= 8/8 + ((88+8) \times (8/8+88)) \\
&:= 9 \times 9 + (((99/9) + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8546 &:= (111111/(1+1+11)) - 1 \\
&:= 2 + (((2 \times 2 \times 22+2)^2) + 2 \times 222) \\
&:= (33 \times (((3/3+3)^{3/3+3}) + 3)) - 3/3 \\
&:= (4+4)/4 + ((4+4) \times (4 \times 4^4 + 44)) \\
&:= 5/5 + (((5+5+5) \times (5^5/5 - 55)) - 5) \\
&:= (666/6 \times (66/6+66)) - 6/6 \\
&:= 77 \times 777/7 - 7/7 \\
&:= (8+8)/8 + ((88+8) \times (8/8+88)) \\
&:= 9 \times 999 + ((9-9 \times 9 \times 99)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8547 &:= 111111/(1+1+11) \\
&:= 222222/(22+2+2) \\
&:= 33 \times (((3/3+3)^{3/3+3}) + 3) \\
&:= 444/4 \times ((4-4/4)^4 - 4) \\
&:= 555555/(55+5+5) \\
&:= 666/6 \times (66/6+66) \\
&:= 77 \times 777/7 \\
&:= 888/8 \times (88-88/8) \\
&:= 999999/(99+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8548 &:= 1 + (111111/(1+1+11)) \\
&:= 2 \times ((2 \times ((2 \times 22+2)^2 + 22)) - 2) \\
&:= 3/3 + (33 \times (((3/3+3)^{3/3+3}) + 3)) \\
&:= 4 + ((4+4) \times (4 \times 4^4 + 44)) \\
&:= ((5+5+5) \times (5^5/5 - 55)) - (5+5)/5 \\
&:= 6/6 + (666/6 \times (66/6+66)) \\
&:= 7/7 + 77 \times 777/7 \\
&:= 8/8 + (888/8 \times (88-88/8)) \\
&:= 9 + (((9 \times 9 \times 99 - 9/9) + ((9+9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8549 &:= 1 + (1 + (111111/(1+1+11))) \\
&:= 2 + (222222/(22+2+2)) \\
&:= (3 \times (3+3))^3 + ((33/3+3)^3 - 3^3) \\
&:= 4 + (((4+4) \times (4 \times 4^4 + 44)) + 4/4) \\
&:= ((5+5+5) \times (5^5/5 - 55)) - 5/5 \\
&:= (6+6)/6 + (666/6 \times (66/6+66)) \\
&:= (7+7)/7 + 77 \times 777/7 \\
&:= 88 \times (88+8) + (8888/88) \\
&:= 9 + ((9 \times 9 \times 99 + ((9+9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8550 &:= 1 + (1 + (1 + (111111/(1+1+11)))) \\
&:= (2 \times (2 \times ((2 \times 22+2)^2 + 22))) - 2 \\
&:= (3^3+3) \times (3 \times (3 \times 33-3) - 3) \\
&:= 4 + (((4+4) \times (4 \times 4^4 + 44)) + (4+4)/4) \\
&:= (5+5+5) \times (5^5/5 - 55) \\
&:= (6-6 \times 6) \times (666/6 - 6 \times 66) \\
&:= 7 + ((77/7 \times (777 - 7/7)) + 7) \\
&:= ((8+8)/8 + 88) \times (88 - 8/8 + 8) \\
&:= 9 + (9999 - 9 \times 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8551 &:= 1 + (1 + (1 + (1 + (111111/(1+1+11)))))) \\
&:= (2 \times (2 \times ((2 \times 22+2)^2 + 22))) - 2/2 \\
&:= 3/3 + (3^3+3) \times (3 \times (3 \times 33-3) - 3) \\
&:= 4 + (444/4 \times ((4-4/4)^4 - 4)) \\
&:= 5/5 + ((5+5+5) \times (5^5/5 - 55)) \\
&:= (66/6+6) \times ((6+6) \times (6 \times 6+6) - 6/6) \\
&:= (77/7 \times (777+7/7)) - 7 \\
&:= 8 + (((88+8) \times (8/8+88)) - 8/8) \\
&:= ((9-9/9) + 9) \times (((9+9)/9)^9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8552 &:= 1111 + (((1+1+1+1)^{1+1})/(1+1)) - 1 \\
&:= 2 \times (2 \times ((2 \times 22+2)^2 + 22)) \\
&:= 33/3 + ((33+3+3) \times ((3+3)^3 + 3)) \\
&:= 4 + (((4+4) \times (4 \times 4^4 + 44)) + 4) \\
&:= 5 + (555555/(55+5+5)) \\
&:= 6 \times (66-6) + (((6+6)/6)^{6/6+6+6}) \\
&:= 7 + (77 \times 777/7 - ((7+7)/7)) \\
&:= 8 + ((88+8) \times (8/8+88)) \\
&:= 9/9 + (((9-9/9) + 9) \times (((9+9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8553 &:= 1111 + (((1 + 11^{1+1})^{1+1}) / (1 + 1)) \\
&:= 2/2 + (2 \times (2 \times ((2 \times 22 + 2)^2 + 22))) \\
&:= 3 + ((3^3 + 3) \times 3 \times (3 \times 33 - 3) - 3) \\
&:= 4 + (((4 + 4) \times (4 \times 4^4 + 44)) + 4/4) + 4 \\
&:= (5 - (5 + 5)/5) \times ((5/5 - 5 \times 55) + 5^5) \\
&:= 6 + (666/6 \times (66/6 + 66)) \\
&:= 7 + (77 \times 777/7 - 7/7) \\
&:= 8 + (((88 + 8) \times (8/8 + 88)) + 8/8) \\
&:= 9 + ((99 + 9)/9 \times ((9 \times 9 \times 9 - (9 + 9)) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8554 &:= (1 + 11 \times 111) \times (1 + ((1 + 1) \times (1 + 1 + 1))) \\
&:= 2 + (2 \times (2 \times ((2 \times 22 + 2)^2 + 22))) \\
&:= (3^3 - 3/3) \times (333 - (3/3 + 3)) \\
&:= (44 - 4)/4 + ((4 + 4) \times (4 \times 4^4 + 44)) \\
&:= 5 + (((5 + 5 + 5) \times (5^5/5 - 55)) - 5/5) \\
&:= (6/6 + 6) \times ((66 \times 666/6 + 6)/6) \\
&:= 7 + 77 \times 777/7 \\
&:= 8 + (((88 + 8) \times (8/8 + 88)) + ((8 + 8)/8)) \\
&:= 9 + (((99/9) + 9 \times 9)^{(9+9)/9}) + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8555 &:= 1 + ((1 + 11 \times 111) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) \\
&:= 2 + ((2 \times (2 \times ((2 \times 22 + 2)^2 + 22))) + 2/2) \\
&:= (33/3)^3 + ((33 \times ((3 + 3)^3 + 3)) - 3) \\
&:= 44/4 + ((4 + 4) \times (4 \times 4^4 + 44)) \\
&:= 5 + ((5 + 5 + 5) \times (5^5/5 - 55)) \\
&:= (66 - 6/6 - 6) \times ((6 + 6) \times (6 + 6) + 6/6) \\
&:= 7 + (77 \times 777/7 + 7/7) \\
&:= 8 + (888/8 \times (88 - 88/8)) \\
&:= (9 \times (9 \times (99 + 9) - 9)) - (999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8556 &:= 1 + (1 + ((1 + 11 \times 111) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) \\
&:= 2 \times ((2 \times ((2 \times 22 + 2)^2 + 22)) + 2) \\
&:= 3 \times ((33/3 + 3)^3 + (3 \times (33 + 3))) \\
&:= 4 \times 4 + (4444 + (4 + 4)^4) \\
&:= (5/5 + 5)^5 + ((5^5 - 5)/(5 - 5/5)) \\
&:= (6 + 6) \times ((666 + (66/6)) + 6 \times 6) \\
&:= 7 + (77 \times 777/7 + ((7 + 7)/7)) \\
&:= ((88 + 8)/8) \times ((8 \times 88 + 8/8) + 8) \\
&:= (9 \times (9 \times (99 + 9) - 9)) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8557 &:= 11 + ((111111/(1 + 1 + 11)) - 1) \\
&:= ((2 \times 22) - 2/2) \times (((22 - 2)^2 - 2)/2) \\
&:= 3 + ((3^3 - 3/3) \times (333 - (3/3 + 3))) \\
&:= 4 \times 4 + ((4444 + (4 + 4)^4) + 4/4) \\
&:= (5/5 + 5)^5 + ((5^5 - 5/5)/(5 - 5/5)) \\
&:= 66 \times (6 + 6) + ((6^{6-6/6}) - (66/6)) \\
&:= ((77 - 7)/7) + 77 \times 777/7 \\
&:= 88 \times (88 + 8) + ((888 - 8 - 8)/8) \\
&:= ((9 - 999)/9) + (9 \times (9 \times (99 + 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8558 &:= 11 + (111111/(1 + 1 + 11)) \\
&:= 22 \times ((22 - 2)^2 - 22/2) \\
&:= (33/3)^3 + (33 \times ((3 + 3)^3 + 3)) \\
&:= (444 - 4)/4 + (4 \times 44 \times (44 + 4)) \\
&:= 5 + ((5 - (5 + 5)/5) \times ((5/5 - 5 \times 55) + 5^5)) \\
&:= 66/6 \times ((666 + 6)/6 + 666) \\
&:= 77/7 \times (777 + 7/7) \\
&:= 88 \times (88 + 8) + (888 - 8)/8 \\
&:= 9 + (((9 \times 9 \times 99 + ((9 + 9)/9)^9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8559 &:= 1 + (11 + (111111/(1 + 1 + 11))) \\
&:= 2/2 + (22 \times ((22 - 2)^2 - 22/2)) \\
&:= 3 \times ((33 \times (3 \times 3^3 + 3)) + 3 \times 3^3) \\
&:= 444/4 + (4 \times 44 \times (44 + 4)) \\
&:= ((5 + 5)/5 + 5 \times 5) \times ((5^5 - 5)/(5 + 5) + 5) \\
&:= 6 + ((666/6 \times (66/6 + 66)) + 6) \\
&:= 7/7 + (77/7 \times (777 + 7/7)) \\
&:= 888/8 + 88 \times (88 + 8) \\
&:= (9 \times (9 \times (99 + 9) - 9)) - (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8560 &:= 1 + (1 + (11 + (111111/(1 + 1 + 11)))) \\
&:= 2 + (22 \times ((22 - 2)^2 - 22/2)) \\
&:= (3 \times 3^3 - 3/3) \times ((3 \times (33 + 3)) - 3/3) \\
&:= (4 \times 4 + 4) \times (444 - 4 \times 4) \\
&:= 5 + (((5 + 5 + 5) \times (5^5/5 - 55)) + 5) \\
&:= 6 + ((6/6 + 6) \times ((66 \times 666/6 + 6)/6)) \\
&:= 7 + ((77 \times 777/7 - 7/7) + 7) \\
&:= 8 + (((88 + 8) \times (8/8 + 88)) + 8) \\
&:= (9/9 - 9 \times 9) \times (9/9 - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8561 &:= (1 + ((1 + 1) \times (1 + 1 + 1))) \times (1 + (1 + 11 \times 111)) \\
&:= 2 + ((22 \times ((22 - 2)^2 - 22/2)) + 2/2) \\
&:= 3 + ((33 \times ((3 + 3)^3 + 3)) + (33/3)^3) \\
&:= 4/4 + ((4 \times 4 + 4) \times (444 - 4 \times 4)) \\
&:= 5 + (((5^5 - 5)/(5 - 5/5)) + (5/5 + 5)^5) \\
&:= (6/6 + 6) \times ((6 \times (6 \times 6 \times 6 - (6 + 6))) - 6/6) \\
&:= 7 + (77 \times 777/7 + 7) \\
&:= 8 + (((88 + 8) \times (8/8 + 88)) + 8/8 + 8) \\
&:= 9/9 + ((9/9 - 9 \times 9) \times (9/9 - (99 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8562 &:= 1 + ((1 + ((1 + 1) \times (1 + 1 + 1))) \times (1 + (1 + 11 \times 111))) \\
&:= 2 + ((22 \times ((22 - 2)^2 - 22/2)) + 2) \\
&:= (3 + 3) \times (((33/3)^3 - 3) + 3 \times 33) \\
&:= (4 + 4)/4 + ((4 \times 4 + 4) \times (444 - 4 \times 4)) \\
&:= (5^5 - 5)/(5 + 5) + (5 \times (55 \times (5 \times 5 + 5))) \\
&:= 66 \times (6 + 6) + ((6^{6-6/6}) - 6) \\
&:= 7 + ((77 \times 777/7 + 7/7) + 7) \\
&:= 8 + (((88 + 8) \times (8/8 + 88)) + ((8 + 8)/8) + 8) \\
&:= 99 + (((99/9) + 9 \times 9)^{(9+9)/9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8563 &:= 1 + (1 + ((1 + ((1 + 1) \times (1 + 1 + 1))) \times (1 + (1 + 11 \times 111)))) \\
&:= 22/2 + (2 \times (2 \times ((2 \times 22 + 2)^2 + 22))) \\
&:= 3 + ((3 \times 3^3 - 3/3) \times ((3 \times (33 + 3)) - 3/3)) \\
&:= 4 + ((4 \times 44 \times (44 + 4)) + 444/4) \\
&:= (5^5 + 5)/(5 + 5) + (5 \times (55 \times (5 \times 5 + 5))) \\
&:= 6/6 + ((66 \times (6 + 6) - 6) + (6^{6-6/6})) \\
&:= 7 + ((77 \times 777/7 + ((7 + 7)/7)) + 7) \\
&:= 8 + ((888/8 \times (88 - 88/8)) + 8) \\
&:= 99 + (((99/9) + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8564 &:= (((((11 \times (1 + 11)) - 1)^{1+1}) - 11) / (1 + 1)) - 11 \\
&:= 2 \times ((2 \times (((2 \times 22 + 2)^2 + 22) + 2)) + 2) \\
&:= 333 + ((3 \times (33/3 + 3)^3) - 3/3) \\
&:= 4 + ((4 \times 4 + 4) \times (444 - 4 \times 4)) \\
&:= 5^5 + (555/5 \times (55 - (5/5 + 5))) \\
&:= 6 + ((66/6) \times ((666 + 6)/6 + 666)) \\
&:= (7 \times (7 \times (7 \times (7 + 7) + 77))) - 77/7 \\
&:= 8 + (((88 + 8)/8) \times ((8 \times 88 + 8/8) + 8)) \\
&:= 9 \times 9 \times 99 + ((99 \times 99 + 9) / (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8565 &:= 11 + ((1 + 11 \times 111) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) \\
&:= 22^2 + ((2^{22/2+2}) - 222/2) \\
&:= 333 + (3 \times (33/3 + 3)^3) \\
&:= 4 + (((4 \times 4 + 4) \times (444 - 4 \times 4)) + 4/4) \\
&:= (5 + 5 + 5) \times ((5^5 + 5)/5 - 55) \\
&:= 6 + (((666/6 \times (66/6 + 66)) + 6) + 6) \\
&:= 7 + (77/7 \times (777 + 7/7)) \\
&:= 8 \times (8 + 8) + (88 \times (88 + 8) - (88/8)) \\
&:= 9 + ((9 \times (9 \times (99 + 9) - 9)) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8566 &:= (1 + 1) \times (((1 + 1) \times ((1 + 1 + 11)^{1+1+1})) - 111) \\
&:= (2 \times ((2 + 2 + 2)^2 \times ((22/2)^2 - 2))) - 2 \\
&:= 3/3 + ((3 \times (33/3 + 3)^3) + 333) \\
&:= 4 + (((4 \times 4 + 4) \times (444 - 4 \times 4)) + (4 + 4)/4) \\
&:= 5/5 + ((5 + 5 + 5) \times ((5^5 + 5)/5 - 55)) \\
&:= 66 \times (6 + 6) + ((6^{6-6/6}) - ((6 + 6)/6)) \\
&:= 7 + ((77/7 \times (777 + 7/7)) + 7/7) \\
&:= 8 + (88 \times (88 + 8) + (888 - 8)/8) \\
&:= (9 \times (9 \times (99 + 9) - 9)) - ((9 + 9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8567 &:= (1 + 1 + 11) \times (((1 + 1) \times ((1 + 1 + 1) \times (111 - 1))) - 1) \\
&:= 222/2 + (2 \times (2 \times ((2 \times 22 + 2)^2 - 2))) \\
&:= ((3 \times 3^3 + 3) \times (3 \times 33 + 3)) - 3/3 \\
&:= ((4^4 - 4) \times ((4 - 44)/4 + 44)) - 4/4 \\
&:= 5 + ((5 \times (55 \times (5 \times 5 + 5))) + (5^5 - 5)/(5 + 5)) \\
&:= 66 \times (6 + 6) + ((6^{6-6/6}) - 6/6) \\
&:= (7 \times (7 \times (7 \times (7 + 7) + 77))) - (7/7 + 7) \\
&:= 8 + (88 \times (88 + 8) + 888/8) \\
&:= (9 \times (9 \times (99 + 9) - 9)) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8568 &:= (11^{1+1} - (1+1)) \times ((1+11)^{1+1} / (1+1)) \\
&:= 2 \times ((2+2+2)^2 \times ((22/2)^2 - 2)) \\
&:= (3 \times 3^3 + 3) \times (3 \times 33 + 3) \\
&:= (4^4 - 4) \times ((4-44)/4 + 44) \\
&:= 5^5 + (5555 - (555+5)/5) \\
&:= (6+6) \times ((6+6) \times (66-6) - 6) \\
&:= (7/7 + 7) \times (77 \times (7+7) - 7) \\
&:= (8/8 + 8) \times (888 + 8 \times 8) \\
&:= (9 \times (9 \times (99+9) - 9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8573 &:= 1 + (((1+1+1)^{11-1-1}) - 11111) \\
&:= 222/2 + (((2 \times (2 \times 22 + 2))^2) - 2) \\
&:= (3 \times (3+3))^3 + ((33/3+3)^3 - 3) \\
&:= 4/4 + (((4 \times (4+4) \times (4^4+4)) - 4) + 4^4) \\
&:= 5 + ((5555 - (555+5)/5) + 5^5) \\
&:= 6 + (((6^{6-6/6}) - 6/6) + 66 \times (6+6)) \\
&:= (7 \times (7 \times (7 \times (7+7) + 77))) - (7+7)/7 \\
&:= 8 + ((88 \times (88+8) - (88/8)) + 8 \times (8+8)) \\
&:= 9 + (((99 \times 99 + 9)/(9+9)) + 9 \times 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8578 &:= (((((11 \times (1+11)) - 1)^{1+1}) - 1) / (1+1)) - 1 - 1 \\
&:= 22 \times (22-2)^2 - 222 \\
&:= 3 + (((3/3-3) + 3^3) \times ((3/3+3+3)^3)) \\
&:= 4^4 + ((4 \times (4+4) \times (4^4+4)) + (4+4)/4) \\
&:= 55 \times 55 + (5555 - ((5+5)/5)) \\
&:= ((6+6)/6) \times (66 \times 66 - (66+6/6)) \\
&:= 7 \times 7 + ((77/7 \times (777-7/7)) - 7) \\
&:= 8 \times (8+8) + (88 \times (88+8) + ((8+8)/8)) \\
&:= 9/9 + (9 \times (9 \times (99+9) - 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8569 &:= 11 \times (1 + (1 + (111 \times (1 + ((1+1) \times (1+1+1)))))) \\
&:= (22^2 \times (22-2)) - 2222/2 \\
&:= 3/3 + ((3 \times 3^3 + 3) \times (3 \times 33 + 3)) \\
&:= 4/4 + ((4^4 - 4) \times ((4-44)/4 + 44)) \\
&:= 5^5 + (5555 - 555/5) \\
&:= 6/6 + (66 \times (6+6) + (6^{6-6/6})) \\
&:= 77/7 \times (((7+7)/7) + 777) \\
&:= 8/8 + ((8/8+8) \times (888 + 8 \times 8)) \\
&:= 9 + ((9/9 - 9 \times 9) \times (9/9 - (99+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8574 &:= (((((11 \times (1+11)) - 1)^{1+1}) - 11) / (1+1)) - 1 \\
&:= 22 + (2 \times (2 \times ((2 \times 22 + 2)^2 + 22))) \\
&:= 3 + (((3 \times 3^3 + 3) \times (3 \times 33 + 3)) + 3) \\
&:= 4^4 + ((4 \times (4+4) \times (4^4+4)) - (4+4)/4) \\
&:= 5 + ((5555 - 555/5) + 5^5) \\
&:= 6 + (66 \times (6+6) + (6^{6-6/6})) \\
&:= (7 \times (7 \times (7 \times (7+7) + 77))) - 7/7 \\
&:= 8 \times (8+8) + (88 \times (88+8) - ((8+8)/8)) \\
&:= 9 \times 9 \times 99 + (9999 - 9) / (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8579 &:= (((((11 \times (1+11)) - 1)^{1+1}) - 1) / (1+1)) - 1 \\
&:= 2/2 + 22 \times (22-2)^2 - 222 \\
&:= 3 + ((33/3+3)^3 + (3 \times (3+3))^3) \\
&:= (4 \times (((4-4/4) + 4)^4) - 4^4) - 4/4 \\
&:= 55 \times 55 + (5555 - 5/5) \\
&:= (66 \times (((6+6)/6)^6 + 66)) - 6/6 \\
&:= 7 + (((77/7 \times (777+7/7)) + 7) + 7) \\
&:= 88/8 + ((8/8+8) \times (888 + 8 \times 8)) \\
&:= (9+9)/9 + (9 \times (9 \times (99+9) - 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8570 &:= ((1 + (((11 \times (1+11)) - 1)^{1+1})) / (1+1)) - 11 \\
&:= 2 + (2 \times ((2+2+2)^2 \times ((22/2)^2 - 2))) \\
&:= 3 + (((3 \times 3^3 + 3) \times (3 \times 33 + 3)) - 3/3) \\
&:= 4^4 + ((4 \times (4+4) \times (4^4+4)) - ((4+4)/4 + 4)) \\
&:= 5 + ((5+5+5) \times ((5^5+5)/5 - 55)) \\
&:= (6+6)/6 + (66 \times (6+6) + (6^{6-6/6})) \\
&:= 7/7 + (77/7 \times (((7+7)/7) + 777)) \\
&:= (8+8)/8 + ((8/8+8) \times (888 + 8 \times 8)) \\
&:= (9+9)/9 + ((9 \times (9 \times (99+9) - 9)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8575 &:= (((((11 \times (1+11)) - 1)^{1+1}) - 11) / (1+1)) \\
&:= 222/2 + ((2 \times (2 \times 22 + 2))^2) \\
&:= ((3/3-3) + 3^3) \times ((3/3+3+3)^3) \\
&:= 4^4 + ((4 \times (4+4) \times (4^4+4)) - 4/4) \\
&:= 5^5 + (5+5) \times (555 - 5 - 5) \\
&:= (6/6+6) \times ((6 \times 6 - 6/6)^{6+6/6}) \\
&:= 7 \times (7 \times (7 \times (7+7) + 77)) \\
&:= 8 \times (8+8) + (88 \times (88+8) - 8/8) \\
&:= 9 \times (9 \times (99+9) - 9 - 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8580 &:= (((((11 \times (1+11)) - 1)^{1+1}) - 1) / (1+1)) \\
&:= 22 \times ((2 \times ((2^{2+2} - 2)^2)) - 2) \\
&:= (3^3 - 3/3) \times (333 - 3) \\
&:= 4 \times (((4-4/4) + 4)^4) - 4^4 \\
&:= 55 \times ((5^5 - 5) / (5 \times 5 - 5)) \\
&:= 66 \times (((6+6)/6)^6 + 66) \\
&:= (7/7 + 77) \times (777 - 7) / 7 \\
&:= ((88+8)/8) \times (88/8 + 8 \times 88) \\
&:= 99/9 \times (9 \times 99 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8571 &:= ((1+1+1)^{11-1-1}) - (1+11111) \\
&:= 2 + ((22^2 \times (22-2)) - (2222/2)) \\
&:= 3 + ((3 \times 3^3 + 3) \times (3 \times 33 + 3)) \\
&:= 4^4 + ((4 \times (4+4) \times (4^4+4)) - (4/4+4)) \\
&:= (5/5+5)^5 + ((55+5^5)/(5-5/5)) \\
&:= 66 + (((6 \times 6 / (6+6))^6) + (6^{6-6/6})) \\
&:= 7 + ((7 \times (7 \times (7 \times (7+7) + 77))) - (77/7)) \\
&:= 8 + (((888/8 \times (88 - 88/8)) + 8) + 8) \\
&:= ((99/9) \times (9 \times 99 - 999/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8576 &:= 1 + (((((11 \times (1+11)) - 1)^{1+1}) - 11) / (1+1)) \\
&:= ((22+2)^2) + (22-2)^{2+2} \\
&:= (3 \times (3+3))^3 + (33/3+3)^3 \\
&:= 4 \times ((4+4) \times ((4^4+4+4) + 4)) \\
&:= (5/5+5)^5 + (5 \times (5 \times ((5+5)/5)^5)) \\
&:= (66+6/6) \times (((6+6)/6)^{6+6/6}) \\
&:= 7/7 + (7 \times (7 \times (7 \times (7+7) + 77))) \\
&:= 8 \times ((8 \times (8 \times (8+8) + 8)) - (8+8)) \\
&:= 9 \times (9 \times (99+9) - 9 - 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8581 &:= (1 + (((11 \times (1+11)) - 1)^{1+1})) / (1+1) \\
&:= 2/2 + (22 \times ((2 \times ((2^{2+2} - 2)^2)) - 2)) \\
&:= 3/3 + ((3^3 - 3/3) \times (333 - 3)) \\
&:= 4/4 + (4 \times (((4-4/4) + 4)^4) - 4^4) \\
&:= 5/5 + (55 \times 55 + 5555) \\
&:= 6/6 + (66 \times (((6+6)/6)^6 + 66)) \\
&:= 7 + ((7 \times (7 \times (7 \times (7+7) + 77))) - 7/7) \\
&:= 8/8 + (((88+8)/8) \times (88/8 + 8 \times 88)) \\
&:= 9 + (((99/9) + 9 \times 9)^{(9+9)/9} + 99) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8572 &:= ((1+1+1)^{11-1-1}) - 11111 \\
&:= 2 \times (((2+2+2)^2 \times ((22/2)^2 - 2)) + 2) \\
&:= 3 + (((3 \times 3^3 + 3) \times (3 \times 33 + 3)) + 3/3) \\
&:= 4^4 + ((4 \times (4+4) \times (4^4+4)) - 4) \\
&:= 5 \times 5 + (555555 / (55+5+5)) \\
&:= 6 + (((6^{6-6/6}) - ((6+6)/6)) + 66 \times (6+6)) \\
&:= 7 + ((77/7 \times (777+7/7)) + 7) \\
&:= (((88+8)/8) \times (88/8 + 8 \times 88)) - 8 \\
&:= 9 + (((99/9) + 9 \times 9)^{(9+9)/9} + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8577 &:= 1 + (1 + (((((11 \times (1+11)) - 1)^{1+1}) - 11) / (1+1))) \\
&:= 2 + (((2 \times (2 \times 22 + 2))^2) + 222/2) \\
&:= (3^3 \times (333-3)) - 333 \\
&:= 4/4 + ((4 \times (4+4) \times (4^4+4)) + 4^4) \\
&:= 5^5 + ((5+5) \times (555 - 5 - 5) + ((5+5)/5)) \\
&:= 6 + (((6 \times 6 / (6+6))^6) + (6^{6-6/6}) + 66) \\
&:= (7+7)/7 + (7 \times (7 \times (7 \times (7+7) + 77))) \\
&:= 8/8 + (88 \times (88+8) + 8 \times (8+8)) \\
&:= 9 \times (9 \times (99+9) - 9 - 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8582 &:= 1 + ((1 + (((11 \times (1+11)) - 1)^{1+1})) / (1+1)) \\
&:= 2 + (22 \times ((2 \times ((2^{2+2} - 2)^2)) - 2)) \\
&:= 3 + (((33/3+3)^3 + (3 \times (3+3))^3) + 3) \\
&:= (4+4)/4 + (4 \times (((4-4/4) + 4)^4) - 4^4) \\
&:= (5+5)/5 + (55 \times 55 + 5555) \\
&:= 6 + ((66+6/6) \times (((6+6)/6)^{6+6/6})) \\
&:= 7 + (7 \times (7 \times (7 \times (7+7) + 77))) \\
&:= 8 + ((88 \times (88+8) - ((8+8)/8)) + 8 \times (8+8)) \\
&:= 9 \times 999 - (((99/9) + 9)^{(9+9)/9} + 9)
\end{aligned}$$

- **8583** := $1 + (1 + ((1 + (((11 \times (1 + 11)) - 1)^{1+1}))/ (1 + 1)))$
:= $22^2 + (((2 \times 2 \times 22 + 2)^2) - 2/2)$
:= $3 + ((3^3 - 3/3) \times (333 - 3))$
:= $4 + ((4 \times (((4 - 4/4) + 4^4) - 4^4)) - 4/4)$
:= $5 + ((5555 - ((5 + 5)/5)) + 55 \times 55)$
:= $6 \times 6 + (666/6 \times (66/6 + 66))$
:= $7 + ((7 \times (7 \times (7 \times (7 + 7) + 77))) + 7/7)$
:= $8 + ((88 \times (88 + 8) - 8/8) + 8 \times (8 + 8))$
:= $9 \times (9 \times (99 + 9) - 9 - 9) - (9 + 9 + 9)/9$
- **8584** := $(111/(1 + 1 + 1)) \times (111 + 11^{1+1})$
:= $22^2 + ((2 \times 2 \times 22 + 2)^2)$
:= $3 + (((3^3 - 3/3) \times (333 - 3)) + 3/3)$
:= $4 + (4 \times (((4 - 4/4) + 4^4) - 4^4))$
:= $5 + ((5555 - 5/5) + 55 \times 55)$
:= $((6 + 6)/6) \times (66 \times 66 - ((6 + 6)/6)^6)$
:= $7 + ((7 \times (7 \times (7 \times (7 + 7) + 77))) + ((7 + 7)/7))$
:= $8 + (88 \times (88 + 8) + 8 \times (8 + 8))$
:= $9 \times (9 \times (99 + 9) - 9 - 9) - (9 + 9)/9$
- **8585** := $(1 + (1 + 1 + 1 + 1)) \times (((1 + 11)^{1+1+1}) - 11)$
:= $(22/2)^2 + ((2 \times (2 \times 22 + 2))^2)$
:= $3 \times 3 + ((33/3 + 3)^3 + (3 \times (3 + 3))^3)$
:= $4 + ((4 \times (((4 - 4/4) + 4^4) - 4^4)) + 4/4)$
:= $5 + (55 \times 55 + 5555)$
:= $6 + ((66 \times (((6 + 6)/6)^6 + 66)) - 6/6)$
:= $7 \times 7 + (77/7 \times (777 - 7/7))$
:= $(8/8 + 8 + 8) \times ((8 \times 8 \times 8 - 8) + 8/8)$
:= $9 \times (9 \times (99 + 9) - 9 - 9) - 9/9$
- **8586** := $(11 + (((11 \times (1 + 11)) - 1)^{1+1}))/ (1 + 1)$
:= $2 + (((2 \times 2 \times 22 + 2)^2) + 22^2)$
:= $3 \times (3 \times ((3 + 3) \times ((3 + 3) \times 3^3 - 3)))$
:= $(4 - 4/4)^4 \times ((444 - 4)/4 - 4)$
:= $5 + ((55 \times 55 + 5555) + 5/5)$
:= $6 + (66 \times (((6 + 6)/6)^6 + 66))$
:= $77/7 + (7 \times (7 \times (7 \times (7 + 7) + 77)))$
:= $(8/8 + 8) \times ((888 + ((8 + 8)/8)) + 8 \times 8)$
:= $9 \times (9 \times (99 + 9) - (9 + 9))$
- **8587** := $1 + ((11 + (((11 \times (1 + 11)) - 1)^{1+1}))/ (1 + 1))$
:= $2 + (((2 \times (2 \times 22 + 2))^2) + (22/2)^2)$
:= $(3 \times 3 + 3)^3 + (((3 \times (3 + 3)) + 3/3)^3)$
:= $44 + (((4 + 4) \times (4 \times 4^4 + 44)) - 4/4)$
:= $((5 \times 5 + 5/5) + 5) \times (5 \times 55 + ((5 + 5)/5))$
:= $6 + ((66 \times (((6 + 6)/6)^6 + 66)) + 6/6)$
:= $7 + ((7/7 + 77) \times (777 - 7/7))$
:= $8 \times (8 + 8) + (88 \times (88 + 8) + (88/8))$
:= $9/9 + 9 \times (9 \times (99 + 9) - 9 - 9)$
- **8588** := $1 + (1 + ((11 + (((11 \times (1 + 11)) - 1)^{1+1}))/ (1 + 1)))$
:= $(222 + 2 + 2) \times ((2 + 2 + 2)^2 + 2)$
:= $((3/3 + 3 + 3) \times (33/3)^3) - 3^{3+3}$
:= $44 + ((4 + 4) \times (4 \times 4^4 + 44))$
:= $(5^5 + 5)/(5 + 5) + (5 \times ((55 \times (5 \times 5 + 5)) + 5))$
:= $6 \times 66 + (((6 + 6)/6)^{6/6+6+6})$
:= $(77 - 7/7) \times (777 + 7 + 7)/7$
:= $8 + (((88 + 8)/8) \times (88/8 + 8 \times 88))$
:= $(9 + 9)/9 + 9 \times (9 \times (99 + 9) - 9 - 9)$
- **8589** := $((11 + 11)^{1+1+1}) - (11 + (1 + 1)^{11})$
:= $2 + (((2 \times (2 \times 22 + 2))^2) + (22/2)^2 + 2)$
:= $3 + (3 \times (3 \times ((3 + 3) \times ((3 + 3) \times 3^3 - 3))))$
:= $44 + (((4 + 4) \times (4 \times 4^4 + 44)) + 4/4)$
:= $5 + (((5555 - 5/5) + 55 \times 55) + 5)$
:= $(6/6 + 6) \times (((66/6) \times 666/6) + 6)$
:= $7 + ((7 \times (7 \times (7 \times (7 + 7) + 77))) + 7)$
:= $(8 - 8/8) \times (8 \times (8 \times 8 + 88) + (88/8))$
:= $9 + ((99/9) \times (9 \times 99 - 999/9))$
- **8590** := $(11 \times (11 \times (((1 + 11)^{1+1}/ (1 + 1)) - 1))) - 1$
:= $(22 - 2)^2 + ((2^{22/2+2}) - 2)$
:= $3 + (((3 \times (3 + 3)) + 3/3)^3) + (3 \times 3 + 3)^3$
:= $4 + ((4 - 4/4)^4 \times ((444 - 4)/4 - 4))$
:= $5 + ((55 \times 55 + 5555) + 5)$
:= $6 + (((6 + 6)/6) \times (66 \times 66 - ((6 + 6)/6)^6))$
:= $7 + (((7 \times (7 \times (7 \times (7 + 7) + 77))) + 7/7) + 7)$
:= $8 \times 8 + ((8/8 - 88) \times ((8 - 88)/8 - 88))$
:= $9 \times 999 + (999/9 - ((9 + 9)/9)^9)$
- **8591** := $11 \times (11 \times (((1 + 11)^{1+1}/ (1 + 1)) - 1))$
:= $(22 - 2)^2 + ((2^{22/2+2}) - 2/2)$
:= $33/3 + ((3^3 - 3/3) \times (333 - 3))$
:= $(4^4 \times (4 \times (4 + 4) + 4)) - (4/4 + 4)^4$
:= $55/5 \times ((5^5 - 5/5)/(5 - 5/5))$
:= $66/6 \times (66 \times (6 + 6) - (66/6))$
:= $77/7 \times ((777 - 7) + (77/7))$
:= $88/8 \times ((8 \times 88 - (88/8)) + 88)$
:= $99/9 \times (((9 - 999)/9) + 9 \times 99)$
- **8592** := $1 + (11 \times (11 \times (((1 + 11)^{1+1}/ (1 + 1)) - 1)))$
:= $(22 - 2)^2 + (2^{22/2+2})$
:= $3 + ((3 \times (3 \times ((3 + 3) \times ((3 + 3) \times 3^3 - 3)))) + 3)$
:= $4 \times (((4 + 4) \times ((4^4 + 4 + 4) + 4)) + 4)$
:= $5 + (((5 \times 5 + 5/5) + 5) \times (5 \times 55 + ((5 + 5)/5)))$
:= $(666 \times (6/6 + 6 + 6)) - 66$
:= $7 + ((77/7 \times (777 - 7/7)) + 7 \times 7)$
:= $8 + ((88 \times (88 + 8) + 8 \times (8 + 8)) + 8)$
:= $9 + (9 \times (9 \times (99 + 9) - 9 - 9) - ((9 + 9 + 9)/9))$
- **8593** := $1 + (1 + (11 \times (11 \times (((1 + 11)^{1+1}/ (1 + 1)) - 1))))$
:= $2/2 + ((2^{22/2+2}) + (22 - 2)^2)$
:= $3 + (((3 \times (3 + 3)) + 3/3)^3) + (3 \times 3 + 3)^3 + 3$
:= $4/4 + ((4 \times ((4 + 4) \times (4^4 + 4) + 4)) + 4^4)$
:= $5^5 + (5555 - (((5 + 5)/5)^5 + 55))$
:= $(6/6 + 6 + 6) \times ((666 - 6) + 6/6)$
:= $7 + ((7 \times (7 \times (7 \times (7 + 7) + 77))) + (77/7))$
:= $(8 \times (8 \times (8 \times (8 + 8) + 8))) - 888/8$
:= $9 + (9 \times (9 \times (99 + 9) - 9 - 9) - ((9 + 9)/9))$
- **8594** := $(1 + 1) \times (1 + ((1 + 1) \times (111 + ((1 + 1)^{11} - 11))))$
:= $2 + ((2^{22/2+2}) + (22 - 2)^2)$
:= $3 \times 33 \times (3 + 3) + ((33/3 + 3 \times 3)^3)$
:= $4 + (((4 - 4/4)^4 \times ((444 - 4)/4 - 4)) + 4)$
:= $5 \times 5 + ((5555 - 555/5) + 5^5)$
:= $6 + (((6 + 6)/6)^{6/6+6+6}) + 6 \times 66$
:= $7 + (((7/7 + 77) \times (777 - 7/7) + 7)$
:= $((8 - 888)/8) + (8 \times (8 \times (8 \times (8 + 8) + 8)))$
:= $9 + (9 \times (9 \times (99 + 9) - 9 - 9) - 9/9)$
- **8595** := $1 + ((1 + 1) \times (1 + ((1 + 1) \times (111 + ((1 + 1)^{11} - 11))))$
:= $2 + (((2^{22/2+2}) + (22 - 2)^2) + 2/2)$
:= $3 \times ((3 \times ((3 + 3) \times ((3 + 3) \times 3^3 - 3))) + 3)$
:= $(44 + 4/4) \times (4^4 - (4^4 + 4)/4)$
:= $5^5 + ((5 \times (55 \times (5 \times 5 - 5) - 5)) - 5)$
:= $66 \times (66 + 66) - (666/6 + 6)$
:= $7 \times 7 + (77 \times 777/7 - 7/7)$
:= $8 + ((88 \times (88 + 8) + 8 \times (8 + 8)) + (88/8))$
:= $9 + 9 \times (9 \times (99 + 9) - 9 - 9)$
- **8596** := $(1 + 1) \times ((1 + 1) \times (1 + (111 + ((1 + 1)^{11} - 11))))$
:= $2 + (((2^{22/2+2}) + (22 - 2)^2) + 2)$
:= $(3^3 + 3/3) \times ((3 \times (3 \times 33 + 3)) + 3/3)$
:= $4 \times (((4 - 4/4) + 4^4) - 4^4) + 4$
:= $(5/5 + 5)^5 + (55 \times (5 + 5 + 5) - 5)$
:= $(6/6 + 6) \times (((66 \times 666/6 + 6)/6) + 6)$
:= $7 \times 7 + 77 \times 777/7$
:= $8 + (((88 + 8)/8) \times (88/8 + 8 \times 88)) + 8$
:= $9 + (9 \times (9 \times (99 + 9) - 9 - 9) + 9/9)$
- **8597** := $11 + ((11 + (((11 \times (1 + 11)) - 1)^{1+1}))/ (1 + 1))$
:= $22 + (((2 \times (2 \times 22 + 2))^2) + 222/2)$
:= $3 + (((33/3 + 3 \times 3)^3) + 3 \times 33 \times (3 + 3))$
:= $4/4 + (4 \times (((4 - 4/4) + 4^4) - 4^4) + 4)$
:= $5/5 + ((55 \times (5 + 5 + 5) - 5) + (5/5 + 5)^5)$
:= $6 + ((66/6) \times (66 \times (6 + 6) - (66/6)))$
:= $7/7 + (77 \times 777/7 + 7 \times 7)$
:= $((88 - 8/8) \times (88/8 + 88)) - 8 - 8$
:= $99/9 + 9 \times (9 \times (99 + 9) - 9 - 9)$

- 8598 := $((11 + 11)^{1+1+1}) - (1 + (1 + (1 + 1)^{11}))$
:= $(22^{2/2+2}) - (2^{22/2} + 2)$
:= $(3 + 3) \times (((33/3)^3 + 3 \times 33) + 3)$
:= $(4 + 4)/4 + (4 \times (((4 - 4/4) + 4)^4) - 4^4) + 4)$
:= $5^5 + ((5 \times (55 \times (5 \times 5 - 5) - 5)) - ((5 + 5)/5))$
:= $6 + ((666 \times (6/6 + 6 + 6)) - 66)$
:= $7 + (77/7 \times ((777 - 7) + (77/7)))$
:= $8 \times 8 + ((88 \times (88 + 8) - ((8 + 8)/8)) + 88)$
:= $(99 + 9)/9 + 9 \times (9 \times (99 + 9) - 9 - 9)$
- 8599 := $((11 + 11)^{1+1+1}) - (1 + (1 + 1)^{11})$
:= $(22^{2/2+2}) - (2^{22/2} + 2/2)$
:= $((3^3 - 3/3) \times (333 - 3/3)) - 33$
:= $4 + ((44 + 4/4) \times (4^4 - (4^4 + 4)/4))$
:= $5^5 + ((5 \times (55 \times (5 \times 5 - 5) - 5)) - 5/5)$
:= $6 + ((6/6 + 6 + 6) \times ((666 - 6) + 6/6))$
:= $(77/7 \times ((777 - 7/7) + 7)) - (7 + 7)$
:= $8 \times 8 + ((88 \times (88 + 8) - 8/8) + 88)$
:= $(9 \times (9 - 99)) + ((99 - (9 + 9)/9))^{(9+9)/9}$
- 8600 := $((11 + 11)^{1+1+1}) - (1 + 1)^{11}$
:= $(22^{2/2+2}) - 2^{22/2}$
:= $((3/3 - 3) + 3^3) \times (333 + 33/3)$
:= $4 + (4 \times (((4 - 4/4) + 4)^4) - 4^4) + 4)$
:= $5 \times (5^5 - (5 \times (5 \times 55 + 5) + 5))$
:= $((6 + 6)/6 + 6) \times ((6666/6) - 6 \times 6)$
:= $(77/7 + 7 + 7) \times (7 \times 7 \times 7 + 7/7)$
:= $8 \times 8 + (88 \times (88 + 8) + 88)$
:= $9 \times 9 \times 9 + 9 + (((9 + 9)/9)^{99/9}) - 9$
- 8601 := $1 + (((11 + 11)^{1+1+1}) - (1 + 1)^{11})$
:= $2/2 + ((22^{2/2+2}) - 2^{22/2})$
:= $33 + ((3 \times 3^3 + 3) \times (3 \times 33 + 3))$
:= $4^4 \times (4 + 4) + (((4 - 4/4)^{4+4}) - (4 + 4))$
:= $(5/5 + 5)^5 + 55 \times (5 + 5 + 5)$
:= $66 \times (66 + 66) - 666/6$
:= $((7/7 + 7) \times (77 \times (7 + 7) - ((7 + 7)/7))) - 7$
:= $8 + ((8 \times (8 \times (8 \times (8 + 8) + 8))) - 888/8)$
:= $(99 \times (99 - (99/9))) - 999/9$
- 8602 := $1 + (1 + (((11 + 11)^{1+1+1}) - (1 + 1)^{11}))$
:= $2 + ((22^{2/2+2}) - 2^{22/2})$
:= $(3/3 + 33) \times ((3 \times (3 \times 3^3 + 3)) + 3/3)$
:= $((4/4 - 4) + 4^4) \times ((4 - 44)/4 + 44)$
:= $5/5 + (55 \times (5 + 5 + 5) + (5/5 + 5)^5)$
:= $66/6 \times (((6 - 66)/6) + 66 \times (6 + 6))$
:= $77/7 \times ((777 - ((7 + 7)/7)) + 7)$
:= $(8/8 + 8 + 8) \times (((8 + 8)/8) - 8) + 8 \times 8 \times 8$
:= $99/9 \times (9 \times 99 - (9/9 + 99 + 9))$
- 8603 := $(1 + (111 \times (11 + (1 + 11)^{1+1}))) / (1 + 1)$
:= $2 + (((22^{2/2+2}) - 2^{22/2}) + 2/2)$
:= $3^3 + ((33/3 + 3)^3 + (3 \times (3 + 3))^3)$
:= $444 + (((4 + 4) \times (4 \times 4^4 - 4)) - 4/4)$
:= $((5 + 5)/5)^5 \times (5 \times 55 - (5/5 + 5)) - 5$
:= $(6/6 + 6) \times (6 \times 6 \times 6 \times 6 - (66 + 6/6))$
:= $7 + (77 \times 777/7 + 7 \times 7)$
:= $(8 - 8/8) \times (88/8 \times 888/8 + 8)$
:= $((9 + 9)/9)^9 + (9 \times (9 \times 99 + 9) - 9)$
- 8604 := $(1 + 11) \times ((1 + 1)^{11} - 11^{1+1+1})$
:= $(2^{2+2} + 2) \times (22^2 - (2 + 2 + 2))$
:= $3 \times ((33 \times (3 \times 3^3 + 3 + 3)) - 3)$
:= $444 + ((4 + 4) \times (4 \times 4^4 - 4))$
:= $(5 - 5/5) \times (((5 - 5^5)/5) + 5 \times 555)$
:= $6 \times (6 \times (6 \times 6 \times 6 + 6 + 6) + 66)$
:= $7 + ((77 \times 777/7 + 7/7) + 7 \times 7)$
:= $(8/8 + 8) \times ((88 \times 88 - (88 + 8))/8)$
:= $9 + (9 \times (9 \times (99 + 9) - 9 - 9) + 9)$
- 8605 := $1 + ((1 + 11) \times ((1 + 1)^{11} - 11^{1+1+1}))$
:= $((2 \times (2 \times 22 + 2) + 2/2)^2) - (2 \times 22)$
:= $3/3 + (3 \times ((33 \times (3 \times 3^3 + 3 + 3)) - 3))$
:= $4^4 \times (4 + 4) + (((4 - 4/4)^{4+4}) - 4)$
:= $5 + ((5 \times (55 \times (5 \times 5 - 5) - 5)) + 5^5)$
:= $6/6 + (6 \times (6 \times (6 \times 6 \times 6 + 6 + 6) + 66))$
:= $7 + ((77/7 \times ((777 - 7) + (77/7))) + 7)$
:= $((88 - 8/8) \times (88/8 + 88)) - 8$
:= $((99 - 9/9)^{(9+9)/9}) - 999$
- 8606 := $1 + (1 + ((1 + 11) \times ((1 + 1)^{11} - 11^{1+1+1})))$
:= $2 + ((2^{2+2} + 2) \times (22^2 - (2 + 2 + 2)))$
:= $(3^3 - 3/3) \times ((333 - 3) + 3/3)$
:= $4 + (((4/4 - 4) + 4^4) \times ((4 - 44)/4 + 44))$
:= $5 + (55 \times (5 + 5 + 5) + (5/5 + 5)^5)$
:= $(6/6 + 6 + 6) \times (((6 + 6)/6 - 6) + 666)$
:= $(77/7 \times ((777 - 7/7) + 7)) - 7$
:= $8/8 + (((88 - 8/8) \times (88/8 + 88)) - 8)$
:= $9 + (9 \times (9 \times (99 + 9) - 9 - 9) + (99/9))$
- 8607 := $(1 + 1)^{11} + (1 + 1 + 1)^{(1+1)^{1+1+1}} - 1 - 1$
:= $2^{22/2} + ((2/2 + 2)^{2 \times (2+2)} - 2)$
:= $3 + 3 \times (33 \times (3 \times 3^3 + 3 + 3)) - 3$
:= $4^4 + (((4 + 4) \times (4 \times (4^4 + 4) + 4)) - 4/4)$
:= $((5 + 5)/5 + 55) \times (5 \times (5 \times 5 + 5) + 5/5)$
:= $6 + (66 \times (66 + 66) - 666/6)$
:= $7 \times 7 + (77/7 \times (777 + 7/7))$
:= $8 \times 8 + (((88 + 8) \times (8/8 + 88)) - 8/8)$
:= $((99 + 9)/9 \times (9 \times 9 \times 9 - (99/9))) - 9$
- 8608 := $(1 + 1)^{11} + (1 + 1 + 1)^{(1+1)^{1+1+1}} - 1$
:= $2 \times (2 \times ((2 \times 22 + 2)^2 + (2 + 2 + 2)^2))$
:= $(33 - 3/3) \times (((3^3 + 3) - 3)/3) + 3^3$
:= $4 \times ((44 \times (44 + 4) - 4) + 44)$
:= $((5 + 5)/5)^5 \times (5 \times 55 - (5/5 + 5))$
:= $6 + (66 \times (66 + 66) + ((6 - 666)/6))$
:= $(7/7 + 7) \times (77 \times (7 + 7) - ((7 + 7)/7))$
:= $8 \times 8 + ((88 + 8) \times (8/8 + 88))$
:= $(9 - 9/9) \times (((99/9) \times (99 - ((9 + 9)/9))) + 9)$
- 8609 := $(1 + 1)^{11} + (1 + 1 + 1)^{(1+1)^{1+1+1}}$
:= $2^{22/2} + (2/2 + 2)^{2 \times (2+2)}$
:= $3 + ((3^3 - 3/3) \times ((333 - 3) + 3/3))$
:= $4^4 \times (4 + 4) + ((4 - 4/4)^{4+4})$
:= $5 + ((5 - 5/5) \times (((5 - 5^5)/5) + 5 \times 555))$
:= $((6/6 + 6) \times (6 \times 6 \times 6 \times 6 - 66)) - 6/6$
:= $((7/7 + 7) \times 777/7) - 7 \times 7$
:= $(88/8 - 8)^8 + (8 \times (8 + 8) \times (8 + 8))$
:= $9 \times 9 \times 9 + 9 + (((9 + 9)/9)^{99/9})$
- 8610 := $(1 + 1)^{11} + (1 + 1 + 1)^{(1+1)^{1+1+1}} + 1$
:= $((22/2 + 2) + 2) \times (((22 + 2)^2) - 2)$
:= $(3 \times (33 \times (3 \times 3^3 + 3 + 3))) - 3$
:= $4/4 + (((4 - 4/4)^{4+4}) + 4^4 \times (4 + 4))$
:= $(5/5 + 5) \times ((5 \times 5 \times 55 + 55) + 5)$
:= $(6/6 + 6) \times (6 \times 6 \times 6 \times 6 - 66)$
:= $(7 + 7) \times ((7 \times 77 - 7/7) + 77)$
:= $(8 - 8/8 + 8) \times (8 \times (8 \times 8 + 8) - (8 + 8)/8)$
:= $(9/9 + 9) \times (9 \times (99 + 9) - 999/9)$
- 8611 := $11 + (((11 + 11)^{1+1+1}) - (1 + 1)^{11})$
:= $2 + ((2/2 + 2)^{2 \times (2+2)} + 2^{22/2})$
:= $3/3 + ((3 \times (33 \times (3 \times 3^3 + 3 + 3))) - 3)$
:= $44444/4 - (4 \times (4/4 + 4)^4)$
:= $5 + ((55 \times (5 + 5 + 5) + (5/5 + 5)^5) + 5)$
:= $6/6 + ((6/6 + 6) \times (6 \times 6 \times 6 \times 6 - 66))$
:= $7/7 + ((7 + 7) \times ((7 \times 77 - 7/7) + 77))$
:= $8 \times 8 + (888/8 \times (88 - 88/8))$
:= $(9 \times 9 - ((9 + 9)/9)) \times (9/9 + 99 + 9)$
- 8612 := $(11 \times (((1 + (1 + 1 + 1)^{1+1+1})^{1+1}) - 1)) - 1$
:= $2 + (((22/2 + 2) + 2) \times (((22 + 2)^2) - 2))$
:= $(3 \times (33 \times (3 \times 3^3 + 3 + 3))) - 3/3$
:= $4 + (((4 + 4) \times (4 \times (4^4 + 4) + 4)) + 4^4)$
:= $5 + (((5 + 5)/5 + 55) \times (5 \times (5 \times 5 + 5) + 5/5))$
:= $6 + ((6/6 + 6 + 6) \times (((6 + 6)/6 - 6) + 666))$
:= $((7 + 7)/7) \times (((77 \times (7 \times 7 + 7)) - 7) + 7/7)$
:= $8 \times 8 \times 8 + (((8 + 8)/8 + 88)^{(8+8)/8})$
:= $((9 + 9)/9)^9 + 9 \times (9 \times 99 + 9)$

$$\begin{aligned}
\blacktriangleright 8613 &:= 11 \times (((1 + (1 + 1 + 1)^{1+1+1})^{1+1}) - 1) \\
&:= 22/2 \times (((22 + 2 + 2 + 2)^2) - 2/2) \\
&:= 3 \times (33 \times (3 \times 3^3 + 3 + 3)) \\
&:= 4 + (((4 - 4/4)^{4+4}) + 4^4 \times (4 + 4)) \\
&:= 5 + (((5 + 5)/5)^5 \times (5 \times 55 - (5/5 + 5))) \\
&:= 66 + (666/6 \times (66/6 + 66)) \\
&:= 77/7 \times ((777 - 7/7) + 7) \\
&:= (88 - 8/8) \times (88/8 + 88) \\
&:= 99 \times (99 - (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8614 &:= 1 + (11 \times (((1 + (1 + 1 + 1)^{1+1+1})^{1+1}) - 1)) \\
&:= (((2 \times (2 \times 22 + 2)) + 2)^2) - 222 \\
&:= 3/3 + (3 \times (33 \times (3 \times 3^3 + 3 + 3))) \\
&:= (4 - 44)/4 + (44 \times ((4 \times (44 + 4)) + 4)) \\
&:= 5^5 + (5555 - (55/5 + 55)) \\
&:= (66 + 6/6 + 6) \times ((666 + 6)/6 + 6) \\
&:= 7 + ((77/7 \times (777 + 7/7)) + 7 \times 7) \\
&:= 8/8 + ((88 - 8/8) \times (88/8 + 88)) \\
&:= 9/9 + (99 \times (99 - (99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8615 &:= ((1 + 11) \times ((11 - 1 - 1)^{1+1+1} - 11)) - 1 \\
&:= 2 + (22/2 \times (((22 + 2 + 2 + 2)^2) - 2/2)) \\
&:= 3 + ((3 \times (33 \times (3 \times 3^3 + 3 + 3))) - 3/3) \\
&:= (44 \times ((4 \times (44 + 4)) + 4)) - (4/4 + 4 + 4) \\
&:= 5 \times (((55 + 5)/5)^{5 - (5+5)/5}) - 5) \\
&:= 6 + (((6/6 + 6) \times (6 \times 6 \times 6 - 66)) - 6/6) \\
&:= 7 + ((7/7 + 7) \times (77 \times (7 + 7) - ((7 + 7)/7))) \\
&:= (8 \times (8 \times (8 \times (8 + 8) + 8))) - (8/8 + 88) \\
&:= ((99 - 9/9) \times (99 - (99/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8616 &:= (1 + 11) \times ((11 - 1 - 1)^{1+1+1} - 11) \\
&:= 2 \times (22 \times 222 - ((22 + 2)^2)) \\
&:= 3 + (3 \times (33 \times (3 \times 3^3 + 3 + 3))) \\
&:= (44 \times ((4 \times (44 + 4)) + 4)) - 4 - 4 \\
&:= (5/5 + 5)^5 + ((5 + 5 + 5) \times (55 + 5/5)) \\
&:= 6 + ((6/6 + 6) \times (6 \times 6 \times 6 - 66)) \\
&:= (7/7 + 7) \times (77 \times (7 + 7) - 7/7) \\
&:= (8 \times (8 \times (8 \times (8 + 8) + 8))) - 88 \\
&:= (99 + 9)/9 \times (9 \times 9 \times 9 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8617 &:= 1 + ((1 + 11) \times ((11 - 1 - 1)^{1+1+1} - 11)) \\
&:= 2/2 + (2 \times (22 \times 222 - ((22 + 2)^2))) \\
&:= 3 + ((3 \times (33 \times (3 \times 3^3 + 3 + 3))) + 3/3) \\
&:= 4 + (((4 - 4/4)^{4+4}) + 4^4 \times (4 + 4)) + 4 \\
&:= 5^5 + ((5 - 5/5) \times (5 \times 5 \times 55 - ((5 + 5)/5))) \\
&:= (6/6 + 6) \times (((6 \times 6 - 6/6)^{(6+6)/6}) + 6) \\
&:= (77 \times ((7 \times (7 + 7) + 7) + 7)) - 7 \\
&:= 8/8 + ((8 \times (8 \times (8 \times (8 + 8) + 8))) - 88) \\
&:= 9/9 + ((99 + 9)/9 \times (9 \times 9 \times 9 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8618 &:= 1 + (1 + ((1 + 11) \times ((11 - 1 - 1)^{1+1+1} - 11))) \\
&:= (2 \times ((22 \times ((2^{2+2} - 2)^2)) - 2)) - 2 \\
&:= 3 + (((3 \times (33 \times (3 \times 3^3 + 3 + 3))) - 3/3) + 3) \\
&:= (44 \times ((4 \times (44 + 4)) + 4)) - ((4 + 4)/4 + 4) \\
&:= 5 + (((5 + 5)/5)^5 \times (5 \times 55 - (5/5 + 5))) + 5) \\
&:= ((66/6 + 66) \times (666 + 6)/6) - 6 \\
&:= 7/7 + ((77 \times ((7 \times (7 + 7) + 7) + 7)) - 7) \\
&:= (8 + 8)/8 + ((8 \times (8 \times (8 \times (8 + 8) + 8))) - 88) \\
&:= 9 + (((9 + 9)/9)^{99/9}) + 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8619 &:= (1 + 1 + 1) \times ((1 + 1 + 11) \times ((1 + 1) \times 111 - 1)) \\
&:= (222 - 2/2) \times (2 \times (22 - 2) - 2/2) \\
&:= 3 + ((3 \times (33 \times (3 \times 3^3 + 3 + 3))) + 3) \\
&:= (44 \times ((4 \times (44 + 4)) + 4)) - 4/4 - 4 \\
&:= 5^5 + (5555 - ((55 + 5/5) + 5)) \\
&:= (6/6 + 6 + 6) \times (666 - (6 \times 6/(6 + 6))) \\
&:= (7 + 7)/7 + ((77 \times ((7 \times (7 + 7) + 7) + 7)) - 7) \\
&:= 8 + ((888/8 \times (88 - 88/8)) + 8 \times 8) \\
&:= 9 \times 9 \times (99 + 9) - ((999/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8620 &:= (11 - 1) \times (((1 + 11)^{1+1+1})/(1 + 1)) - (1 + 1) \\
&:= 2 \times ((22 \times ((2^{2+2} - 2)^2)) - 2) \\
&:= (3/3 + 3) \times ((3 \times 3^{3+3} - 33) + 3/3) \\
&:= (44 \times ((4 \times (44 + 4)) + 4)) - 4 \\
&:= 5^5 + (5555 - (55 + 5)) \\
&:= 6 + ((66 + 6/6 + 6) \times ((666 + 6)/6 + 6)) \\
&:= 7 + (77/7 \times ((777 - 7/7) + 7)) \\
&:= 888 + (88 \times 88 - ((88 + 8)/8)) \\
&:= (99/9 + 9) \times (((99 + 9)/9)^9) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8621 &:= (111/(1 + 1 + 1)) \times (11 + (1 + 1) \times 111) \\
&:= 2/2 + (2 \times (22 \times ((2^{2+2} - 2)^2)) - 2) \\
&:= (33/3)^3 + (3 \times (3 \times (3^3 \times (3^3 + 3)))) \\
&:= 4/4 + ((44 \times ((4 \times (44 + 4)) + 4)) - 4) \\
&:= 5^5 + ((5555 - (55 + 5)) + 5/5) \\
&:= (6 \times 6 + 6/6) \times ((6 \times 6 \times 6 + 66/6) + 6) \\
&:= (77 \times ((7 \times (7 + 7) + 7) + 7)) - (7 + 7 + 7)/7 \\
&:= 8 + ((88 - 8/8) \times (88/8 + 88)) \\
&:= 9 + (9 \times (9 \times 99 + 9) + ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8622 &:= (11 \times ((1 + (1 + 1 + 1)^{1+1+1})^{1+1})) - 1 - 1 \\
&:= (2 \times (22 \times ((2^{2+2} - 2)^2))) - 2 \\
&:= 3 \times ((33 \times (3 \times 3^3 + 3 + 3)) + 3) \\
&:= (44 \times ((4 \times (44 + 4)) + 4)) - (4 + 4)/4 \\
&:= 5^5 + ((5555 - (55 + 5)) + ((5 + 5)/5)) \\
&:= (666 \times (6/6 + 6 + 6)) - 6 \times 6 \\
&:= ((7 + 7)/7) \times ((77 \times (7 \times 7 + 7)) - 7/7) \\
&:= 888 + (88 \times 88 + (8 - 88)/8) \\
&:= 9 + (99 \times (99 - (99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8623 &:= (11 \times ((1 + (1 + 1 + 1)^{1+1+1})^{1+1})) - 1 \\
&:= (2 \times (22 \times ((2^{2+2} - 2)^2))) - 2/2 \\
&:= 3/3 + (3 \times ((33 \times (3 \times 3^3 + 3 + 3)) + 3)) \\
&:= (44 \times ((4 \times (44 + 4)) + 4)) - 4/4 \\
&:= 5^5 + (5555 - ((5 + 5)/5 + 55)) \\
&:= 6/6 + ((666 \times (6/6 + 6 + 6)) - 6 \times 6) \\
&:= (77 \times ((7 \times (7 + 7) + 7) + 7)) - 7/7 \\
&:= 888 + (88 \times 88 - (8/8 + 8)) \\
&:= (((9 - 9/9) + 9) \times ((9 + 9)/9)^9) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8624 &:= 11 \times ((1 + (1 + 1 + 1)^{1+1+1})^{1+1}) \\
&:= 2 \times (22 \times ((2^{2+2} - 2)^2)) \\
&:= 33/3 \times ((3^3 + 3/3)^{3-3/3}) \\
&:= 44 \times ((4 \times (44 + 4)) + 4) \\
&:= 5^5 + (5555 - (55 + 5/5)) \\
&:= (66/6 + 66) \times (666 + 6)/6 \\
&:= 77 \times ((7 \times (7 + 7) + 7) + 7) \\
&:= 88 \times (((8 + 8)/8 + 88) + 8) \\
&:= (99 - 9/9) \times (99 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8625 &:= 1 + (11 \times ((1 + (1 + 1 + 1)^{1+1+1})^{1+1})) \\
&:= 2/2 + (2 \times (22 \times ((2^{2+2} - 2)^2))) \\
&:= (3 - 3/3 + 3) \times ((3 \times 3 + 3)^3 - 3) \\
&:= 4/4 + (44 \times ((4 \times (44 + 4)) + 4)) \\
&:= 5 \times (5^5 - 5 \times (5 \times 55 + 5)) \\
&:= 6 + ((6/6 + 6 + 6) \times (666 - (6 \times 6/(6 + 6)))) \\
&:= 7/7 + (77 \times ((7 \times (7 + 7) + 7) + 7)) \\
&:= 8/8 + ((88 \times 88 - 8) + 888) \\
&:= 9 + ((99 + 9)/9 \times (9 \times 9 \times 9 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8626 &:= 1 + (1 + (11 \times ((1 + (1 + 1 + 1)^{1+1+1})^{1+1}))) \\
&:= 2 + (2 \times (22 \times ((2^{2+2} - 2)^2))) \\
&:= 3/3 + ((3 - 3/3 + 3) \times ((3 \times 3 + 3)^3 - 3)) \\
&:= (4 + 4)/4 + (44 \times ((4 \times (44 + 4)) + 4)) \\
&:= 5^5 + ((5 \times 55 \times (5 \times 5 - 5)) + 5/5) \\
&:= ((6 + 6)/6 + 6 \times 6) \times (6 \times 6 \times 6 + 66/6) \\
&:= (7 + 7)/7 + (77 \times ((7 \times (7 + 7) + 7) + 7)) \\
&:= 888 + ((88 \times 88 - 8) + ((8 + 8)/8)) \\
&:= 9 \times (9 + 9) + (((99/9) + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8627 &:= 1 + (1 + (1 + (11 \times ((1 + (1 + 1 + 1)^{1+1+1})^{1+1})))) \\
&:= (((2 \times (2 \times 22 + 2)) + 2/2)^2) - 22 \\
&:= 3 + (33/3 \times ((3^3 + 3/3)^{3-3/3})) \\
&:= 4 + ((44 \times ((4 \times (44 + 4)) + 4)) - 4/4) \\
&:= 5^5 + ((5 \times 55 \times (5 \times 5 - 5)) + ((5 + 5)/5)) \\
&:= (6 + 6) \times (6 + 6) \times (66 - 6) - (6/6 + 6 + 6) \\
&:= 7 + ((77/7 \times ((777 - 7/7) + 7)) + 7) \\
&:= 88/8 + ((8 \times (8 \times (8 \times (8 + 8) + 8))) - 88) \\
&:= 9 \times 999 + ((9 - 9 \times 9 \times 9)/(9 + 9))
\end{aligned}$$

- ▶ 8628 := $(1+1) \times ((1+1) \times (111 + ((1+1)^{11} - (1+1))))$
:= $2 \times ((22 \times ((2^{2+2} - 2)^2) + 2)$
:= $3 + ((3 - 3/3 + 3) \times ((3 \times 3 + 3)^3 - 3))$
:= $4 + (44 \times ((4 \times (44 + 4)) + 4))$
:= $5 + ((5555 - ((5+5)/5 + 55)) + 5^5)$
:= $(6+6) \times ((6+6) \times (66 - 6) - 6/6)$
:= $(77/7 \times ((777 + 7/7) + 7)) - 7$
:= $888 + (88 \times 88 - 8 \times 8/(8+8))$
:= $(99+9)/9 \times (9 \times 9 \times 9 - (9/9+9))$
- ▶ 8629 := $((11-1) \times (((1+11)^{1+1+1})/(1+1))) - 11$
:= $2 + (((2 \times (2 \times 22 + 2)) + 2/2^2) - 22)$
:= $((3^3 - 3/3) \times (333 - 3/3)) - 3$
:= $4 + ((44 \times ((4 \times (44 + 4)) + 4)) + 4/4)$
:= $5 + ((5555 - (55 + 5/5)) + 5^5)$
:= $(6+6) \times (6+6) \times (66 - 6) - 66/6$
:= $7 + (((7+7)/7) \times ((77 \times (7 \times 7 + 7)) - 7/7))$
:= $(8 \times ((8 \times (8 \times (8+8) + 8)) - 8)) - 88/8$
:= $((99+9) \times (9 \times 9 - 9/9)) - 99/9$
- ▶ 8630 := $(11-1) \times (((1+11)^{1+1+1})/(1+1)) - 1$
:= $2 + (2 \times ((22 \times ((2^{2+2} - 2)^2) + 2))$
:= $(3 - 3/3 + 3) \times (((3 \times 3 + 3)^3 - 3) + 3/3)$
:= $4 + ((44 \times ((4 \times (44 + 4)) + 4)) + (4+4)/4)$
:= $5 + ((5 \times 55 \times (5 \times 5 - 5)) + 5^5)$
:= $6 + ((66/6 + 66) \times (666 + 6)/6)$
:= $7 + ((77 \times ((7 \times (7 + 7) + 7) + 7)) - 7/7)$
:= $888 + (88 \times 88 - ((8+8)/8))$
:= $99 + (9 \times 9 \times 99 + ((9+9)/9)^9)$
- ▶ 8631 := $1 + ((11-1) \times (((1+11)^{1+1+1})/(1+1)) - 1)$
:= $(22 - 2/2) \times ((22 - 2)^2 + 22/2)$
:= $3 \times (((3^3 + 3) \times (3 \times 33 - 3)) - 3)$
:= $4 + (((44 \times ((4 \times (44 + 4)) + 4)) - 4/4) + 4)$
:= $5 + (((5 \times 55 \times (5 \times 5 - 5)) + 5^5) + 5/5)$
:= $(6/6 + 6) \times (((66/6) \times 666/6) + 6) + 6)$
:= $7 + (77 \times ((7 \times (7 + 7) + 7) + 7))$
:= $888 + (88 \times 88 - 8/8)$
:= $((99+9) \times (9 \times 9 - 9/9)) - 9$
- ▶ 8632 := $(1+1) \times ((1+1) \times (111 + ((1+1)^{11} - 1)))$
:= $2 \times (2 \times ((2 \times 22)^2 + 222))$
:= $(3^3 - 3/3) \times (333 - 3/3)$
:= $4 + ((44 \times ((4 \times (44 + 4)) + 4)) + 4)$
:= $((5 - (5+5)/5) + 5) \times ((5 - 5/5)^5 + 55)$
:= $(6/6 + 6 + 6) \times (666 - ((6+6)/6))$
:= $(7/7 + 7) \times (77 \times (7 + 7) + 7/7)$
:= $888 + 88 \times 88$
:= $9/9 + (((99+9) \times (9 \times 9 - 9/9)) - 9)$
- ▶ 8633 := $1 + ((1+1) \times ((1+1) \times (111 + ((1+1)^{11} - 1))))$
:= $((22 - 2/2)^2) + (2^{22/2+2})$
:= $3/3 + ((3^3 - 3/3) \times (333 - 3/3))$
:= $4 + (((44 \times ((4 \times (44 + 4)) + 4)) + 4/4) + 4)$
:= $5 \times 5 + (((5+5)/5)^5 \times (5 \times 55 - (5/5 + 5)))$
:= $(6+6) \times (6+6) \times (66 - 6) - 6/6 - 6$
:= $7 + ((77 \times ((7 \times (7 + 7) + 7) + 7)) + ((7+7)/7))$
:= $8/8 + (88 \times 88 + 888)$
:= $9 + ((99 - 9/9) \times (99 - (99/9)))$
- ▶ 8634 := $(1+1) \times (((1+1) \times (111 + (1+1)^{11})) - 1)$
:= $2 + (2 \times (2 \times ((2 \times 22)^2 + 222)))$
:= $3 + (3 \times (((3^3 + 3) \times (3 \times 33 - 3)) - 3))$
:= $444 + ((4+4)/4 \times ((4+4)^4 - 4/4))$
:= $((5+5)/5)^5 \times (5 \times 55 - 5) - (5/5 + 5)$
:= $(6+6) \times (6+6) \times (66 - 6) - 6$
:= $7 \times (7 + 7) + (77/7 \times (777 - 7/7))$
:= $888 + (88 \times 88 + ((8+8)/8))$
:= $9 + (((99+9)/9 \times (9 \times 9 \times 9 - (99/9))) + 9)$
- ▶ 8635 := $11 \times (1 + ((1 + (1 + 1 + 1)^{1+1+1})^{1+1}))$
:= $2 + (((22 - 2/2)^2) + (2^{22/2+2}))$
:= $3 + ((3^3 - 3/3) \times (333 - 3/3))$
:= $444 + (4 \times 4^4 \times (4 + 4)) - 4/4$
:= $55 \times (((5+5)/5)^5 + 5 \times 5 \times 5)$
:= $6/6 + ((6+6) \times (6+6) \times (66 - 6) - 6)$
:= $77/7 \times ((777 + 7/7) + 7)$
:= $88 + (888/8 \times (88 - 88/8))$
:= $9 \times 99 + ((99 - (99/9))^{(9+9)/9})$
- ▶ 8636 := $(1+1) \times ((1+1) \times (111 + (1+1)^{11}))$
:= $2 \times (2^{2 \times (2+2+2)} + 222)$
:= $(3/3 + 33) \times ((3^{3+3} + 33)/3)$
:= $444 + (4 \times 4^4 \times (4 + 4))$
:= $5^5 + ((5 \times 55 \times (5 \times 5 - 5)) + (55/5))$
:= $(6+6)/6 + ((6+6) \times (6+6) \times (66 - 6) - 6)$
:= $7/7 + (77/7 \times ((777 + 7/7) + 7))$
:= $888 + (88 \times 88 + 8 \times 8/(8+8))$
:= $9 \times 9 \times (99+9) - ((999+9)/9)$
- ▶ 8637 := $1 + ((1+1) \times ((1+1) \times (111 + (1+1)^{11})))$
:= $2/2 + ((2^{22/2+2}) + 2 \times 222)$
:= $(3 \times ((3^3 + 3) \times (3 \times 33 - 3))) - 3$
:= $4/4 + ((4 \times 4^4 \times (4 + 4)) + 444)$
:= $(5^5 - 5)/(5+5) + ((5+5+5) \times 555)$
:= $(6+6) \times (6+6) \times (66 - 6) - 6 \times 6/(6+6)$
:= $7 + (((77 \times ((7 \times (7 + 7) + 7) + 7)) - 7/7) + 7)$
:= $8 + ((8 \times ((8 \times (8 \times (8+8) + 8)) - 8)) - (88/8))$
:= $9 \times 9 \times (99+9) - 999/9$
- ▶ 8638 := $(1+1) \times (1 + ((1+1) \times (111 + (1+1)^{11})))$
:= $2 + ((2^{22/2+2}) + 2 \times 222)$
:= $3 + (((3^3 - 3/3) \times (333 - 3/3)) + 3)$
:= $((44 + 4) \times (4 \times 44 + 4)) - (4 + 4)/4$
:= $(5^5 + 5)/(5+5) + ((5+5+5) \times 555)$
:= $(6+6) \times (6+6) \times (66 - 6) - (6+6)/6$
:= $7 + ((77 \times ((7 \times (7 + 7) + 7) + 7)) + 7)$
:= $(8 \times ((8 \times (8 \times (8+8) + 8)) - 8)) - (8+8)/8$
:= $((9 - 999)/9) + 9 \times 9 \times (99+9)$
- ▶ 8639 := $((11-1) \times (((1+11)^{1+1+1})/(1+1))) - 1$
:= $((2^{2+2} + 2) \times (22^2 - (2+2))) - 2/2$
:= $(3 \times ((3^3 + 3) \times (3 \times 33 - 3))) - 3/3$
:= $((44 + 4) \times (4 \times 44 + 4)) - 4/4$
:= $((5+5)/5)^5 \times (5 \times 55 - 5) - 5/5$
:= $(6+6) \times (6+6) \times (66 - 6) - 6/6$
:= $7 + ((7/7 + 7) \times (77 \times (7 + 7) + 7/7))$
:= $(8 \times ((8 \times (8 \times (8+8) + 8)) - 8)) - 8/8$
:= $((99+9) \times (9 \times 9 - 9/9)) - 9/9$
- ▶ 8640 := $(11-1) \times (((1+11)^{1+1+1})/(1+1))$
:= $(2^{2+2} + 2) \times (22^2 - (2+2))$
:= $3 \times ((3^3 + 3) \times (3 \times 33 - 3))$
:= $(44 + 4) \times (4 \times 44 + 4)$
:= $((5+5)/5)^5 \times (5 \times 55 - 5)$
:= $(6+6) \times (6+6) \times (66 - 6)$
:= $(7/7 + 7) \times (77 \times (7 + 7) + (7+7)/7)$
:= $8 \times ((8 \times (8 \times (8+8) + 8)) - 8)$
:= $(99+9) \times (9 \times 9 - 9/9)$
- ▶ 8641 := $1 + ((11-1) \times (((1+11)^{1+1+1})/(1+1)))$
:= $2/2 + ((2^{2+2} + 2) \times (22^2 - (2+2)))$
:= $3/3 + (3 \times ((3^3 + 3) \times (3 \times 33 - 3)))$
:= $4/4 + ((44 + 4) \times (4 \times 44 + 4))$
:= $5/5 + (((5+5)/5)^5 \times (5 \times 55 - 5))$
:= $6/6 + (6+6) \times (6+6) \times (66 - 6)$
:= $7 + ((77/7 \times (777 - 7/7)) + 7 \times (7 + 7))$
:= $8/8 + (8 \times ((8 \times (8 \times (8+8) + 8)) - 8))$
:= $9/9 + ((99+9) \times (9 \times 9 - 9/9))$
- ▶ 8642 := $1 + (1 + ((11-1) \times (((1+11)^{1+1+1})/(1+1))))$
:= $2 + ((2^{2+2} + 2) \times (22^2 - (2+2)))$
:= $3 + ((3 \times ((3^3 + 3) \times (3 \times 33 - 3))) - 3/3)$
:= $(4+4)/4 + ((44 + 4) \times (4 \times 44 + 4))$
:= $(5+5)/5 + (((5+5)/5)^5 \times (5 \times 55 - 5))$
:= $(6+6)/6 + (6+6) \times (6+6) \times (66 - 6)$
:= $7 + (77/7 \times ((777 + 7/7) + 7))$
:= $(8+8)/8 + (8 \times ((8 \times (8 \times (8+8) + 8)) - 8))$
:= $(9+9)/9 + ((99+9) \times (9 \times 9 - 9/9))$

- 8643 := $1 + (1 + (1 + ((11 - 1) \times (((1 + 11)^{1+1+1}) / (1 + 1)))))$
:= $((2 \times 22) - 2/2) \times (((22 - 2)^2 + 2)/2)$
:= $3 + (3 \times ((3^3 + 3) \times (3 \times 33 - 3)))$
:= $4 + (((44 + 4) \times (4 \times 44 + 4)) - 4/4)$
:= $5^5 + (5555 - ((5 + 5)/5)^5 + 5)$
:= $(6 \times 6 / (6 + 6)) + (6 + 6) \times (6 + 6) \times (66 - 6)$
:= $7 + ((77/7 \times ((777 + 7/7) + 7)) + 7/7)$
:= $888 + (88 \times 88 + (88/8))$
:= $(9 + 9 + 9)/9 + ((99 + 9) \times (9 \times 9 - 9/9))$
- 8644 := $(1 + 1) \times ((1 + 1) \times (1 + (1 + (111 + (1 + 1)^{11}))))$
:= $2 \times ((2 \times (2^{22/2} + 2)) + 222)$
:= $3 + ((3 \times ((3^3 + 3) \times (3 \times 33 - 3))) + 3/3)$
:= $4 + ((44 + 4) \times (4 \times 44 + 4))$
:= $5 + (((5 + 5)/5)^5 \times (5 \times 55 - 5)) - 5/5$
:= $6 + ((6 + 6) \times (6 + 6) \times (66 - 6) - ((6 + 6)/6))$
:= $((7/7 + 77) \times 777/7) - (7 + 7)$
:= $888 + (88 \times 88 + ((88 + 8)/8))$
:= $(99 \times (99 + 9)) - (((9 + 9)/9)^{99/9})$
- 8645 := $(1 + 1 + 11) \times ((11^{1+1+1} - 1) / (1 + 1))$
:= $((2 \times (2 \times 22 + 2)) + 2/2)^2 - 2 - 2$
:= $(3 - 3/3 + 3) \times ((3 \times 3 + 3)^3 + 3/3)$
:= $4 + (((44 + 4) \times (4 \times 44 + 4)) + 4/4)$
:= $5 + (((5 + 5)/5)^5 \times (5 \times 55 - 5))$
:= $(6/6 + 6 + 6) \times (666 - 6/6)$
:= $7 \times (7 + 7) + 77 \times 777/7$
:= $(8 - 8/8) \times ((88/8 + 8) \times (8/8 + 8 \times 8))$
:= $9 + (9 \times 9 \times (99 + 9) - ((999 + 9)/9))$
- 8646 := $1 + ((1 + 1 + 11) \times ((11^{1+1+1} - 1) / (1 + 1)))$
:= $2 \times ((2 \times 2222) - (22/2)^2)$
:= $((3 \times (3^3 + 3) + 3)^{3-3/3} - 3)$
:= $4 + (((44 + 4) \times (4 \times 44 + 4)) + (4 + 4)/4)$
:= $5 + (((5 + 5)/5)^5 \times (5 \times 55 - 5)) + 5/5$
:= $6 + (6 + 6) \times (6 + 6) \times (66 - 6)$
:= $77/7 \times (((7 + 7)/7) + 777) + 7$
:= $8 + ((8 \times ((8 \times (8 \times (8 + 8) + 8)) - 8)) - ((8 + 8)/8))$
:= $9 + (9 \times 9 \times (99 + 9) - 999/9)$
- 8647 := $((((1 + 1)^{11-1} - 1) / 11)^{1+1}) - 1 - 1$
:= $((2 \times (2 \times 22 + 2)) + 2/2)^2 - 2$
:= $(333 \times (3^3 - 3/3)) - 33/3$
:= $4 + (((44 + 4) \times (4 \times 44 + 4)) - 4/4) + 4$
:= $5 + (((5 + 5)/5)^5 \times (5 \times 55 - 5)) + ((5 + 5)/5)$
:= $6 + ((6 + 6) \times (6 + 6) \times (66 - 6) + 6/6)$
:= $7 + ((7/7 + 7) \times (77 \times (7 + 7) + ((7 + 7)/7)))$
:= $8 + ((8 \times ((8 \times (8 \times (8 + 8) + 8)) - 8)) - 8/8)$
:= $9 \times 9 \times (99 + 9) - ((9 + 9)/9 + 99)$
- 8648 := $((((1 + 1)^{11-1} - 1) / 11)^{1+1}) - 1$
:= $((2 \times (2 \times 22 + 2)) + 2/2)^2 - 2/2$
:= $3 \times (3 + 3)^3 + ((33/3 + 3 \times 3)^3)$
:= $4 + (((44 + 4) \times (4 \times 44 + 4)) + 4)$
:= $5^5 + (5555 - ((5 + 5)/5)^5)$
:= $66 \times (66 + 66) - ((6 + 6)/6)^6$
:= $(7/7 + 7) \times (77 \times (7 + 7) + ((7 + 7 + 7)/7))$
:= $8 + (8 \times ((8 \times (8 \times (8 + 8) + 8)) - 8))$
:= $9 \times 9 \times (99 + 9) - (9/9 + 99)$
- 8649 := $((1 + 1)^{11-1} - 1) / 11^{1+1}$
:= $((2 \times (2 \times 22 + 2)) + 2/2)^2$
:= $(3 \times (3^3 + 3) + 3)^{3-3/3}$
:= $((4 + 4)^4 - 4) / 44^{(4+4)/4}$
:= $(5 \times 5 \times 5 - ((5 + 5)/5)^5)^{(5+5)/5}$
:= $(666/6 - (6 + 6 + 6))^{(6+6)/6}$
:= $((77 + 7)/7 + 77 + 7)^{(7+7)/7}$
:= $8 + ((8 \times ((8 \times (8 \times (8 + 8) + 8)) - 8)) + 8/8)$
:= $9 \times 9 \times (99 + 9) - 99$
- 8650 := $1 + (((1 + 1)^{11-1} - 1) / 11)^{1+1}$
:= $2/2 + (((2 \times (2 \times 22 + 2)) + 2/2)^2)$
:= $3/3 + ((3 \times (3^3 + 3) + 3)^{3-3/3})$
:= $4/4 + (((4 + 4)^4 - 4) / 44)^{(4+4)/4}$
:= $5 \times ((5^5 - 5 \times (5 \times 55 + 5)) + 5)$
:= $((66 - 6)/6) + (6 + 6) \times (6 + 6) \times (66 - 6)$
:= $7777/7 + ((7 \times 77 \times (7 + 7)) - 7)$
:= $8 + ((8 \times ((8 \times (8 \times (8 + 8) + 8)) - 8)) + ((8 + 8)/8))$
:= $9/9 + (9 \times 9 \times (99 + 9) - 99)$
- 8651 := $1 + (1 + (((1 + 1)^{11-1} - 1) / 11)^{1+1})$
:= $2 + (((2 \times (2 \times 22 + 2)) + 2/2)^2)$
:= $3 + (((33/3 + 3 \times 3)^3) + 3 \times (3 + 3)^3)$
:= $44/4 + ((44 + 4) \times (4 \times 44 + 4))$
:= $(5/5 + 5)^5 + (5 \times (5 \times ((5 \times 5 + 5) + 5)))$
:= $6 + ((6/6 + 6 + 6) \times (666 - 6/6))$
:= $((7/7 + 77) \times 777/7) - 7$
:= $88/8 + (8 \times ((8 \times (8 \times (8 + 8) + 8)) - 8))$
:= $(9 + 9)/9 + (9 \times 9 \times (99 + 9) - 99)$
- 8652 := $(1 + ((1 + 1 + 11) \times 11^{1+1+1})) / (1 + 1)$
:= $(2 + 2 + 2) \times (((2 + 2 + 2)^2 + 2)^2 - 2)$
:= $3 + ((3 \times (3^3 + 3) + 3)^{3-3/3})$
:= $444 + (4 \times (4^4 \times (4 + 4) + 4))$
:= $((5 - 5/5 + 5) + 5) \times ((5^5 - 5 - 5)/5 - 5)$
:= $(666 \times (6/6 + 6 + 6)) - 6$
:= $77 + (7 \times (7 \times (7 \times (7 + 7) + 77)))$
:= $((88 + 8)/8) + (8 \times ((8 \times (8 \times (8 + 8) + 8)) - 8))$
:= $(99 + 9)/9 \times ((9 \times 9 \times 9 - 9) + 9/9)$
- 8653 := $1 + ((1 + ((1 + 1 + 11) \times 11^{1+1+1})) / (1 + 1))$
:= $2 + (((2 \times (2 \times 22 + 2)) + 2/2)^2 + 2)$
:= $3 + (((3 \times (3^3 + 3) + 3)^{3-3/3}) + 3/3)$
:= $4 + (((4 + 4)^4 - 4) / 44)^{(4+4)/4}$
:= $5 + (5555 - ((5 + 5)/5)^5) + 5^5$
:= $6/6 + ((666 \times (6/6 + 6 + 6)) - 6)$
:= $7 + (77/7 \times (((7 + 7)/7) + 777) + 7)$
:= $(8/8 + 8 + 8) \times ((8 \times 8 \times 8 - 88/8) + 8)$
:= $9 + ((99 \times (99 + 9)) - (((9 + 9)/9)^{99/9}))$
- 8654 := $1 + (1 + ((1 + ((1 + 1 + 11) \times 11^{1+1+1})) / (1 + 1)))$
:= $22^2 + ((2^{22/2+2}) - 22)$
:= $(333 \times (3^3 - 3/3)) - (3/3 + 3)$
:= $((4 - 4/4)^4 \times (444 - 4) / 4) - 4^4$
:= $5^5 + (5555 - (5 \times 5 + 5/5))$
:= $6 + (66 \times (66 + 66) - ((6 + 6)/6)^6)$
:= $(77/7 \times (77/7 + 777)) - (7 + 7)$
:= $8 + (((8 \times ((8 \times (8 \times (8 + 8) + 8)) - 8)) - ((8 + 8)/8)) + 8)$
:= $(9 \times (999 - 9)) - (((9 + 9)/9)^{9-9/9})$
- 8655 := $(1 + 1 + 1) \times (((1 + 1) \times (111 \times (1 + 1 + 11))) - 1)$
:= $2 + (((2 \times (2 \times 22 + 2)) + 2/2)^2 + 2) + 2$
:= $(333 \times (3^3 - 3/3)) - 3$
:= $4 + (((44 + 4) \times (4 \times 44 + 4)) + 44/4)$
:= $5^5 + (5555 - 5 \times 5)$
:= $6 + ((666/6 - (6 + 6 + 6))^{(6+6)/6})$
:= $77 \times (77 + 7) + ((7 + 7 + 7)/7)^7$
:= $(8 - 8/8 + 8) \times (8 \times (8 \times 8 + 8) + 8/8)$
:= $(9 \times (9 \times (99 + 9) - 9)) - (99 + 9)/9$
- 8656 := $(1 + 1) \times (((1 + 1 + 1) \times (111 \times (1 + 1 + 11))) - 1)$
:= $2 \times ((2^{2+2+2} - 2)^2 + 22^2)$
:= $3/3 + ((333 \times (3^3 - 3/3)) - 3)$
:= $4 \times (((4 + 4)^4 - 44 \times 44) + 4)$
:= $5^5 + ((5555 - 5 \times 5) + 5/5)$
:= $(666 \times (6/6 + 6 + 6)) - (6 + 6)/6$
:= $7 + (((7 + 7)/7 + 77) + 7)^{(7+7)/7}$
:= $8 + ((8 \times ((8 \times (8 \times (8 + 8) + 8)) - 8)) + 8)$
:= $(9 \times (9 \times (99 + 9) - 9)) - 99/9$
- 8657 := $(111 \times (111 - (11 \times (1 + 1 + 1)))) - 1$
:= $2 \times (2 + 2) + (((2 \times (2 \times 22 + 2)) + 2/2)^2)$
:= $(333 \times (3^3 - 3/3)) - 3/3$
:= $4 + (((4 + 4)^4 - 4) / 44)^{(4+4)/4} + 4$
:= $5^5 + ((5555 - 5 \times 5) + ((5 + 5)/5))$
:= $(666 \times (6/6 + 6 + 6)) - 6/6$
:= $77/7 \times (((77 - 7)/7) + 777)$
:= $8 + (((8 \times ((8 \times (8 \times (8 + 8) + 8)) - 8)) + 8/8) + 8)$
:= $(9 \times (9 \times (99 + 9) - 9)) - 9/9 - 9$

$$\begin{aligned}
\blacktriangleright 8658 &:= 111 \times (111 - (11 \times (1 + 1 + 1))) \\
&:= 222 \times (2 \times (22 - 2) - 2/2) \\
&:= 333 \times (3^3 - 3/3) \\
&:= 444/4 \times (((4^4 - 4) + 44)/4) + 4 \\
&:= 5^5 + (5555 - (55 + 55)/5) \\
&:= 666 \times (6/6 + 6 + 6) \\
&:= (7/7 + 77) \times 777/7 \\
&:= 888/8 \times ((8 - 88)/8 + 88) \\
&:= (9 \times (9 \times (99 + 9) - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8659 &:= 1 + (111 \times (111 - (11 \times (1 + 1 + 1)))) \\
&:= 2/2 + (222 \times (2 \times (22 - 2) - 2/2)) \\
&:= 3/3 + (333 \times (3^3 - 3/3)) \\
&:= (4 \times (4 + 4) \times (4 \times 4 + 4^4)) - (44 + 4/4) \\
&:= 5 + ((5555 - (5 \times 5 + 5/5)) + 5^5) \\
&:= 6/6 + (666 \times (6/6 + 6 + 6)) \\
&:= 7777 + 7 \times (77 + 7 \times 7) \\
&:= 8 + ((8 \times ((8 \times (8 \times (8 + 8) + 8)) - 8)) + (88/8)) \\
&:= 9/9 + ((9 \times (9 \times (99 + 9) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8660 &:= 11 + (((1 + 1)^{11-1} - 1)/11)^{1+1} \\
&:= 2 + (222 \times (2 \times (22 - 2) - 2/2)) \\
&:= 3 + ((333 \times (3^3 - 3/3)) - 3/3) \\
&:= (4/4 + 4) \times (4 \times 444 - 44) \\
&:= 5 + ((5555 - 5 \times 5) + 5^5) \\
&:= (6 + 6)/6 + (666 \times (6/6 + 6 + 6)) \\
&:= 7/7 + (7 \times (77 + 7 \times 7) + 7777) \\
&:= (8 \times (8 \times (8 \times (8 + 8) + 8))) - (88/((8 + 8)/8)) \\
&:= (9 + 9)/9 + ((9 \times (9 \times (99 + 9) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8661 &:= 1 + (11 + (((1 + 1)^{11-1} - 1)/11)^{1+1}) \\
&:= 2 + ((222 \times (2 \times (22 - 2) - 2/2)) + 2/2) \\
&:= 3 + (333 \times (3^3 - 3/3)) \\
&:= 4/4 + (4/4 + 4) \times (4 \times 444 - 44) \\
&:= 5 + (((5555 - 5 \times 5) + 5^5) + 5/5) \\
&:= (6 \times 6)/(6 + 6) + (666 \times (6/6 + 6 + 6)) \\
&:= (77/7 \times (77/7 + 777)) - 7 \\
&:= 8 + ((8/8 + 8 + 8) \times ((8 \times 8 \times 8 - 88/8) + 8)) \\
&:= 9 + ((99 + 9)/9 \times ((9 \times 9 \times 9 - 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8662 &:= (1 + 11^{1+1}) \times (((1 + 11)^{1+1}/(1 + 1)) - 1) \\
&:= (2 \times ((2 \times 2222) - 2)) - 222 \\
&:= 3 + ((333 \times (3^3 - 3/3)) + 3/3) \\
&:= 4 + (444/4 \times (((4^4 - 4) + 44)/4) + 4) \\
&:= 5 + (((5555 - 5 \times 5) + ((5 + 5)/5)) + 5^5) \\
&:= 6 + ((666 \times (6/6 + 6 + 6)) - ((6 + 6)/6)) \\
&:= 7 + (77 \times (77 + 7) + ((7 + 7 + 7)/7)^7) \\
&:= ((8 \times 8 - 8/8) + 8) \times ((888 + 88)/8) \\
&:= ((9 - 99)/(9 + 9)) + (9 \times (9 \times (99 + 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8663 &:= 1 + ((1 + 11^{1+1}) \times (((1 + 11)^{1+1}/(1 + 1)) - 1)) \\
&:= ((2 + 2 + 2) \times ((2 + 2 + 2)^2 + 2)^2) - 2/2 \\
&:= 3 + (((333 \times (3^3 - 3/3)) - 3/3) + 3) \\
&:= ((4 - 4/4)^4 \times (444/4 - 4)) - 4 \\
&:= 5^5 + (5555 - (((55 + 5)/5) + 5)) \\
&:= 6 + ((666 \times (6/6 + 6 + 6)) - 6/6) \\
&:= 7 + (((((7 + 7)/7 + 77) + 7) + 7)^{(7+7)/7} + 7) \\
&:= 8 + ((8 - 8/8 + 8) \times (8 \times (8 \times 8 + 8) + 8/8)) \\
&:= ((9 - 9 \times 9)/(9 + 9)) + (9 \times (9 \times (99 + 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8664 &:= (1 + 1) \times ((1 + 1 + 1) \times (1 + (111 \times (1 + 1 + 1)))) \\
&:= (2 + 2 + 2) \times ((2 + 2 + 2)^2 + 2)^2 \\
&:= 3 + ((333 \times (3^3 - 3/3)) + 3) \\
&:= 4 + ((4/4 + 4) \times 4 \times 444 - 44) \\
&:= 5^5 + (5555 - (55/5 + 5)) \\
&:= 6 + (666 \times (6/6 + 6 + 6)) \\
&:= (7/7 - 77) \times ((7 - ((7 + 7)/7)^7) + 7) \\
&:= (88/8 + 8) \times (8 \times (8 \times 8 - 8) + 8) \\
&:= (9 \times (9 \times (99 + 9) - 9)) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8665 &:= 1 + ((1 + 1) \times ((1 + 1 + 1) \times (1 + (111 \times (1 + 1 + 1)))) \blacktriangleright 8670 := 1 + (11111 - ((1 + 1) \times 11 \times 111)) \\
&:= 2/2 + ((2 + 2 + 2) \times ((2 + 2 + 2)^2 + 2)^2) \\
&:= 3 + 3333 - ((33/3)^3 + 3) \\
&:= 4 \times 4 + (((4 + 4)^4 - 4)/44)^{(4+4)/4} \\
&:= 5^5 + ((5 + 5) \times (555 - 5/5)) \\
&:= 6 + ((666 \times (6/6 + 6 + 6)) + 6/6) \\
&:= 7 + ((7/7 + 77) \times 777/7) \\
&:= 8/8 + ((88/8 + 8) \times (8 \times (8 \times 8 - 8) + 8)) \\
&:= (9 \times (9 \times (99 + 9) - 9)) - (9 + 9)/9 \\
&:= 2 + (2 \times ((2^{2+2+2} + 2)^2 - 22)) \\
&:= 3 + (3^3 \times (333 - (3 \times 3 + 3))) \\
&:= (4^4 - 4/4) \times ((4 - 44)/4 + 44) \\
&:= 5^5 + (5555 - (5 + 5)) \\
&:= 6 + ((666 \times (6/6 + 6 + 6)) + 6) \\
&:= (7 + 7)/7 + (77/7 \times (77/7 + 777)) \\
&:= (8/8 + 8 + 8) \times (8 \times 8 \times 8 - ((8 + 8)/8)) \\
&:= ((9 + 9 + 9)/9) + (9 \times (9 \times (99 + 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8666 &:= (1 + 1) \times (((1 + 1) \times ((1 + 1) \times 1111)) - 111) \\
&:= (2 \times (2 \times 2222)) - 222 \\
&:= (3^3 \times (333 - (3 \times 3 + 3))) - 3/3 \\
&:= (4 + 4)/4 \times (4444 - 444/4) \\
&:= ((5 - 5/5 + 5) + 5) \times ((5^5 - 5)/5 - 5) \\
&:= 6 + ((666 \times (6/6 + 6 + 6)) + ((6 + 6)/6)) \\
&:= (7 \times (7 \times (((7 + 7)/7)^7 + 7 \times 7))) - 7 \\
&:= 8 + (888/8 \times ((8 - 88)/8 + 88)) \\
&:= (9 \times (9 \times (99 + 9) - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8671 &:= (1 + 1 + 11) \times (1 + (1 + 1) \times (1 + 1 + 1) \times 111) \\
&:= 22 + (((2 \times (2 \times 22 + 2)) + 2/2)^2) \\
&:= 3 + (3 \times 3333 - (33/3)^3) \\
&:= 4 + ((4 - 4/4)^4 \times (444/4 - 4)) \\
&:= 5^5 + ((5555 - (5 + 5)) + 5/5) \\
&:= (6/6 + 6 + 6) \times (666 + 6/6) \\
&:= 7 + ((7/7 - 77) \times ((7 - ((7 + 7)/7)^7) + 7)) \\
&:= 8888 - ((8 \times (8 + 8) + 88) + 8/8) \\
&:= ((9 \times 9 - 9)/(9 + 9)) + (9 \times (9 \times (99 + 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8667 &:= 11111 - ((1 + 1) \times (1 + 11 \times 111)) \\
&:= 2/2 + ((2 \times (2 \times 2222)) - 222) \\
&:= 3^3 \times (333 - (3 \times 3 + 3)) \\
&:= (4 - 4/4)^4 \times (444/4 - 4) \\
&:= 5^5 + (5555 - (55 + 5 + 5)/5) \\
&:= 6 + ((666 \times (6/6 + 6 + 6)) + (6 \times 6)/(6 + 6)) \\
&:= 7/7 + ((7 \times (7 \times (((7 + 7)/7)^7 + 7 \times 7))) - 7) \\
&:= (8/8 + 8) \times ((888 + 88)/8) + 8 \times 8 \\
&:= 9 \times (9 \times (99 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8672 &:= (1 + 1) \times ((1 + 1) \times (11^{1+1} + ((1 + 1)^{11} - 1))) \\
&:= 2 \times (((2^{2+2+2} + 2)^2 - 22) + 2) \\
&:= 3 + ((333 \times (3^3 - 3/3)) + 33/3) \\
&:= (4 + 4) \times (4 \times (4^4 + 4) + 44) \\
&:= ((5 + 5)/5)^5 \times ((5 \times 55 - 5) + 5/5) \\
&:= 6/6 + ((6/6 + 6 + 6) \times (666 + 6/6)) \\
&:= 7 + (((7/7 + 77) \times 777/7) + 7) \\
&:= 8888 - (8 \times (8 + 8) + 88) \\
&:= (9 - 9/9) \times (9999/9 - (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8673 &:= ((1+1+111)^{1+1}) - ((1+1)^{1+11}) \\
&:= 2 + (((2 \times (2 \times 22 + 2)) + 2/2)^2) + 22 \\
&:= ((3 \times 3 + 3) \times (3^{3+3} - (3+3))) - 3 \\
&:= 4/4 + ((4+4) \times (4 \times (4^4 + 4) + 44)) \\
&:= 5^5 + (5555 - ((5+5)/5 + 5)) \\
&:= (66 - 6/6 - 6) \times (666/6 + 6 \times 6) \\
&:= 7 \times (7 \times (((7+7)/7)^7 + 7 \times 7)) \\
&:= (88 \times (8+8+8)) + (88/8 - 8)^8 \\
&:= 9 + ((9 \times (9 \times (99+9) - 9)) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8678 &:= (1+1) \times (1 + ((1+1) \times (11^{1+1} + (1+1)^{11}))) \\
&:= 2 + ((2^{22/2+2}) + 22^2) \\
&:= 3 + (((3 \times 3 + 3) \times (3^{3+3} - (3+3))) - 3/3) \\
&:= 4 + (((4^4 - 4/4) \times ((4 - 44)/4 + 44)) + 4) \\
&:= 5^5 + (5555 - ((5+5)/5)) \\
&:= (6+6)/6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) - 66)) \\
&:= ((7/7 + 7) \times (77 \times (7+7) + 7)) - (7+7)/7 \\
&:= 8 + ((8/8 + 8+8) \times (8 \times 8 \times 8 - ((8+8)/8))) \\
&:= 99/9 + (9 \times (9 \times (99+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8683 &:= ((1+1) \times ((1+1+11) \times (1 + (1+1+1) \times 111))) - 1 \\
&:= 2 + 22 \times (22 - 2)^2 - (22/2)^2 + 2 \\
&:= (3 \times (3 \times (3 \times 333 - 33))) - 33/3 \\
&:= 4 \times 4 + ((4 - 4/4)^4 \times (444/4 - 4)) \\
&:= 5 + ((5555 - ((5+5)/5)) + 5^5) \\
&:= 6 + (((6/6 + 6+6) \times (666 + 6/6)) + 6) \\
&:= (77/7 \times (((777 - 7/7) + 7) + 7)) - 7 \\
&:= (88/8 + 8) \times ((8 \times (8 \times 8 - 8) + 8/8) + 8) \\
&:= 9 + (((9 \times (9 \times (99+9) - 9)) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8674 &:= 1 + (((1+1+111)^{1+1}) - ((1+1)^{1+11})) \\
&:= 22^2 + ((2^{22/2+2}) - 2) \\
&:= 3 + ((3 \times 3333 - (33/3)^3) + 3) \\
&:= 4 + ((4^4 - 4/4) \times ((4 - 44)/4 + 44)) \\
&:= 5^5 + (5555 - (5/5 + 5)) \\
&:= 66 \times (66 + 66) - ((6+6)/6 + 6 \times 6) \\
&:= 7/7 + (7 \times (7 \times (((7+7)/7)^7 + 7 \times 7)) \\
&:= 8 + ((888/8 \times ((8 - 88)/8 + 88)) + 8) \\
&:= 9 + ((9 \times (9 \times (99+9) - 9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8679 &:= 11 \times ((1+1+1) \times (((1+1) \times (11 \times (1+11))) - 1)) \\
&:= 22 \times (22 - 2)^2 - (22/2)^2 \\
&:= 3 + ((3 \times 3 + 3) \times (3^{3+3} - (3+3))) \\
&:= 4444/4 + (44 \times (4 \times 44 - 4)) \\
&:= 5^5 + (5555 - 5/5) \\
&:= 66/6 \times (((6 \times 6/(6+6))^6 - 6) + 66) \\
&:= 77/7 \times ((77+7)/7 + 777) \\
&:= ((8/8 + 8+8) \times (8 \times 8 \times 8 - 8/8)) - 8 \\
&:= (99+9)/9 + (9 \times (9 \times (99+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8684 &:= (1+1) \times ((1+1+11) \times (1 + (1+1+1) \times 111)) \\
&:= 222 + (((2 \times (2 \times 22 + 2))^2) - 2) \\
&:= (3^3 - 3/3) \times (333 + 3/3) \\
&:= 44 + ((44 + 4) \times (4 \times 44 + 4)) \\
&:= 5 + ((5555 - 5/5) + 5^5) \\
&:= (6/6 + 6+6) \times (666 + (6+6)/6) \\
&:= 7 \times 7 + (77/7 \times ((777 + 7/7) + 7)) \\
&:= (8 \times (8 \times (8 \times (8+8) + 8))) - ((88+8)/8 + 8) \\
&:= 9 + (((9 \times (9 \times (99+9) - 9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8675 &:= ((11+11)^{1+1}) + (((1+1)^{1+11}) - 1) \\
&:= 22^2 + ((2^{22/2+2}) - 2/2) \\
&:= ((3 \times 3 + 3) \times (3^{3+3} - (3+3))) - 3/3 \\
&:= 4 + (((4 - 4/4)^4 \times (444/4 - 4)) + 4) \\
&:= 5^5 + ((5+5) \times 555) \\
&:= 66 \times (66 + 66) - (6 \times 6 + 6/6) \\
&:= 7 + (77/7 \times (77/7 + 777)) \\
&:= 8 + ((8/8 + 8) \times ((888 + 88/8) + 8 \times 8)) \\
&:= 9 + ((9 \times (9 \times (99+9) - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8680 &:= (1+1) \times ((1+1) \times (1 + (11^{1+1} + (1+1)^{11}))) \\
&:= 2 + 2 + 2^{22/2+2} + 22^2 \\
&:= 3 + (((3 \times 3 + 3) \times (3^{3+3} - (3+3))) + 3/3) \\
&:= 4 + (((4+4) \times (4 \times (4^4 + 4) + 44)) + 4) \\
&:= 5^5 + 5555 \\
&:= (6 \times 6 \times 6 + 6/6) \times ((6 \times 6 - ((6+6)/6)) + 6) \\
&:= (7/7 + 7) \times (77 \times (7+7) + 7) \\
&:= (8 \times (8 \times (8 \times (8+8) + 8))) - 8 - 8 - 8 \\
&:= 99 \times 99 - ((9999 + 9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8685 &:= 1 + ((1+1) \times ((1+1+11) \times (1 + (1+1+1) \times 111))) \\
&:= 222 + (((2 \times (2 \times 22 + 2))^2) - 2/2) \\
&:= 3 \times ((3 \times (3 \times 333 - 33)) - 3) \\
&:= (44 + 4/4) \times (((4 - 4^4)/4) + 4^4) \\
&:= 5 + (5555 + 5^5) \\
&:= 666 + ((66/6) \times ((6 \times 6/(6+6))^6)) \\
&:= 7 + (((7/7 + 7) \times (77 \times (7+7) + 7)) - ((7+7)/7)) \\
&:= (8 \times (8 \times (8 \times (8+8) + 8))) - (88/8 + 8) \\
&:= 9 + ((9 \times (9 \times (99+9) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8676 &:= (1+1) \times ((1+1) \times (11^{1+1} + (1+1)^{11})) \\
&:= 22^2 + (2^{22/2+2}) \\
&:= (3 \times 3 + 3) \times (3^{3+3} - (3+3)) \\
&:= 4 + ((4+4) \times (4 \times (4^4 + 4) + 44)) \\
&:= 5^5 + (((5+5) \times 555) + 5/5) \\
&:= 6 \times (6 \times 6 \times (6 \times 6 + 6) - 66) \\
&:= (77/7 + 7) \times (7 \times (77 - 7) - (7/7 + 7)) \\
&:= ((88+8)/8) \times ((88/8 + 8 \times 88) + 8) \\
&:= 9 + (9 \times (9 \times (99+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8681 &:= 1 + ((1+1) \times ((1+1) \times (1 + (11^{1+1} + (1+1)^{11})))) \\
&:= 2 + 22 \times (22 - 2)^2 - (22/2)^2 \\
&:= ((3^3 - 3/3) \times (333 + 3/3)) - 3 \\
&:= ((44 + 4/4) \times (((4 - 4^4)/4) + 4^4)) - 4 \\
&:= 5^5 + (5555 + 5/5) \\
&:= 6 + (66 \times (66 + 66) - (6 \times 6 + 6/6)) \\
&:= 7/7 + ((7/7 + 7) \times (77 \times (7+7) + 7)) \\
&:= 8 + ((88 \times (8+8+8)) + (88/8 - 8)^8) \\
&:= 99 \times 99 - (9999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8686 &:= (1+1) \times (1 + ((1+1+11) \times (1 + (1+1+1) \times 111))) \\
&:= 222 + ((2 \times (2 \times 22 + 2))^2) \\
&:= 3^3 + ((333 \times (3^3 - 3/3)) + 3/3) \\
&:= (4 \times ((4+4) \times (4 \times 4 + 4^4) - 4)) - (4+4)/4 \\
&:= 5 + ((5555 + 5/5) + 5^5) \\
&:= ((6+6)/6) \times (66 \times 66 - (6/6 + 6+6)) \\
&:= 7 + (77/7 \times ((77+7)/7 + 777)) \\
&:= (8 - 88)/8 + ((8 \times (8 \times (8+8) + 8))) - 8 \\
&:= 9 + (((9 \times (9 \times (99+9) - 9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8677 &:= 1 + ((1+1) \times ((1+1) \times (11^{1+1} + (1+1)^{11}))) \\
&:= 2/2 + ((2^{22/2+2}) + 22^2) \\
&:= 3/3 + ((3 \times 3 + 3) \times (3^{3+3} - (3+3))) \\
&:= 4 + (((4+4) \times (4 \times (4^4 + 4) + 44)) + 4/4) \\
&:= 5^5 + (((5+5) \times 555) + ((5+5)/5)) \\
&:= 6 + ((6/6 + 6+6) \times (666 + 6/6)) \\
&:= 77 + ((77/7 + 7+7) \times (7 \times 7 \times 7 + 7/7)) \\
&:= 8 \times 8 + ((88 - 8/8) \times (88/8 + 88)) \\
&:= 9 + ((9 \times (9 \times (99+9) - 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8682 &:= (1+1) \times (1 + ((1+1) \times (1 + (11^{1+1} + (1+1)^{11})))) \\
&:= 2 + 2^{22/2+2} + 22^2 + 2 + 2 \\
&:= 3 + (((3 \times 3 + 3) \times (3^{3+3} - (3+3))) + 3) \\
&:= (4+4)/4 \times (((4+4)^4 - 44/4) + 4^4) \\
&:= 5^5 + (5555 + ((5+5)/5)) \\
&:= 6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) - 66)) \\
&:= 7 + ((77/7 \times (77/7 + 777)) + 7) \\
&:= (8 \times (8 \times (8 \times (8+8) + 8))) - (88 + 88)/8 \\
&:= 99 \times 99 + (((9 - 9999)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8687 &:= 11 + ((1+1) \times ((1+1) \times (11^{1+1} + (1+1)^{11}))) \\
&:= 2/2 + (((2 \times (2 \times 22 + 2))^2) + 222) \\
&:= 3 + ((3^3 - 3/3) \times (333 + 3/3)) \\
&:= (4 \times 4 + 4/4) \times ((4^4 - 4/4) + 4^4) \\
&:= 5 + ((5555 + ((5+5)/5)) + 5^5) \\
&:= 66/6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) - 66)) \\
&:= 7 + ((7/7 + 7) \times (77 \times (7+7) + 7)) \\
&:= (8/8 + 8+8) \times (8 \times 8 \times 8 - 8/8) \\
&:= 9 + ((9 \times (9 \times (99+9) - 9)) + (99/9))
\end{aligned}$$

- ▶ **8688** := $(1+1) \times ((1+11) \times ((11 \times (11 \times (1+1+1))) - 1))$
:= $2 + (((2 \times (2 \times 22 + 2))^2) + 222)$
:= $(3^3 - 3) \times ((33 \times 33 - 3)/3)$
:= $4 \times ((4+4) \times (4 \times 4 + 4^4) - 4)$
:= $5 + (((5555 - ((5+5)/5)) + 5^5) + 5)$
:= $(6+6) \times ((66 \times 66 - 6 - 6)/6)$
:= $(7/7 + 7) \times ((77 \times (7+7) + 7/7) + 7)$
:= $(8 \times (8 \times (8 \times (8+8) + 8))) - 8 - 8$
:= $9 + ((9 \times (9 \times (99+9) - 9)) + (99+9)/9)$
- ▶ **8693** := $11111 - ((1+1) \times ((11 \times (111 - 1)) - 1))$
:= $2 \times 22 + (((2 \times (2 \times 22 + 2)) + 2/2)^2)$
:= $(3 \times (3 \times (3 \times 333 - 33))) - 3/3$
:= $(4 \times (4+4) \times (4 \times 4 + 4^4)) - 44/4$
:= $5^5 + ((55 + 5 + 5)/5 + 5555)$
:= $6 \times 6 + ((666 \times (6/6 + 6 + 6)) - 6/6)$
:= $77 + ((7/7 + 7) \times (77 \times (7+7) - 7/7))$
:= $(8 \times (8 \times (8 \times (8+8) + 8))) - 88/8$
:= $((9+9)/9)^9 + 9 \times (9 \times 99 + 9 + 9)$
- ▶ **8698** := $1 + ((1+1+1) \times ((1+1+11) \times (1 + (1+1) \times 111)))$
:= $22 + ((2^{22/2+2}) + 22^2)$
:= $3 + ((3 \times (3 \times (3 \times 333 - 33))) + 3/3)$
:= $4 + (((44 - 4)/4 + 4) \times ((4/4 + 4)^4 - 4))$
:= $((5+5+5) \times (555 + 5 \times 5)) - (5+5)/5$
:= $((6+6)/6) \times (66 \times 66 - (6/6 + 6))$
:= $7 + (((7+7) \times 777) - ((7+7+7)/7)^7)$
:= $(8+8)/8 + ((8 \times (8 \times (8 \times (8+8) + 8))) - 8)$
:= $9 + (99 \times 99 - (9999 + 9)/9)$
- ▶ **8689** := $((11 \times (11 - 1 - 1))^{1+1}) - (1 + 1111)$
:= $22 \times (22 - 2)^2 - 222/2$
:= $3/3 + ((3^3 - 3) \times ((33 \times 33 - 3)/3))$
:= $4/4 + (4 \times ((4+4) \times (4 \times 4 + 4^4) - 4))$
:= $5 + (((5555 - 5/5) + 5^5) + 5)$
:= $6/6 + ((6+6) \times ((66 \times 66 - 6 - 6)/6))$
:= $7 + (((77/7 \times (77/7 + 777)) + 7) + 7)$
:= $8/8 + ((8 \times (8 \times (8 \times (8+8) + 8))) - (8+8))$
:= $99 \times 99 - (9999 + 9)/9$
- ▶ **8694** := $(1+1) \times ((11 - 1 - 1) \times (((11+11)^{1+1}) - 1))$
:= $(2/2 + 2)^2 \times (2 \times 22^2 - 2)$
:= $3 \times (3 \times (3 \times 333 - 33))$
:= $((44 - 4)/4 + 4) \times ((4/4 + 4)^4 - 4)$
:= $((5 - 5/5 + 5) + 5) \times ((5^5 + 5)/5 - 5)$
:= $6 \times 6 + (666 \times (6/6 + 6 + 6))$
:= $(77 + 7 \times 7) \times (77 - (7/7 + 7))$
:= $(8/8 + 8) \times ((88 \times 88 - (8+8))/8)$
:= $9 + (((9 \times (9 \times (99+9) - 9)) + 9) + 9)$
- ▶ **8699** := $((11 \times (1+11))^{1+1}) / (1+1) - 1 - 1 - 11$
:= $(2 \times (2^{2+2+2} + 2)^2) - (22/2 + 2)$
:= $((3/3 + 3) \times ((3 \times (3^{3+3} - 3)) - 3)) - 3/3$
:= $(4 \times (4+4) \times (4 \times 4 + 4^4)) - 4/4 - 4$
:= $((5+5+5) \times (555 + 5 \times 5)) - 5/5$
:= $66 \times (66 + 66) - (6/6 + 6 + 6)$
:= $(77 \times (777 + 7 + 7)/7) - (7 + 7)/7$
:= $88/8 + ((8 \times (8 \times (8 \times (8+8) + 8))) - (8+8))$
:= $9 + (99 \times 99 - 9999/9)$
- ▶ **8690** := $(111 - 1) \times ((11 - 1 - 1)^{1+1} - (1+1))$
:= $2 \times (2^{2+2+2} + 2)^2 - 22$
:= $3 + (((3^3 - 3/3) \times (333 + 3/3)) + 3)$
:= $(4+4)/4 + (4 \times ((4+4) \times (4 \times 4 + 4^4) - 4))$
:= $5 + ((5555 + 5^5) + 5)$
:= $66/6 \times (66 \times (6+6) - ((6+6)/6))$
:= $77/7 \times (((777 - 7/7) + 7) + 7)$
:= $((8/8 - 88) + 8) \times ((8 - 888)/8)$
:= $99 \times 99 - 9999/9$
- ▶ **8695** := $(1 + (1+1+1+1)) \times (11 + ((1+11)^{1+1+1}))$
:= $2/2 + ((2/2 + 2)^2 \times (2 \times 22^2 - 2))$
:= $3/3 + (3 \times (3 \times (3 \times 333 - 33)))$
:= $(4 \times (4+4) \times (4 \times 4 + 4^4)) - (4/4 + 4 + 4)$
:= $5 + (((5555 + 5^5) + 5) + 5)$
:= $66 \times (66 + 66) - (66/6 + 6)$
:= $7 + ((7/7 + 7) \times ((77 \times (7+7) + 7/7) + 7))$
:= $(8 \times (8 \times (8 \times (8+8) + 8))) - (8/8 + 8)$
:= $((9 - 9/9) + 9) \times ((9+9)/9)^9 - 9$
- ▶ **8700** := $((11 \times (1+11))^{1+1}) / (1+1) - 1 - 11$
:= $2 \times ((2^{2+2+2} + 2)^2) - (2 + 2 + 2)$
:= $(3/3 + 3) \times ((3 \times (3^{3+3} - 3)) - 3)$
:= $(4 \times (4+4) \times (4 \times 4 + 4^4)) - 4$
:= $(5+5+5) \times (555 + 5 \times 5)$
:= $(6+6) \times ((66 \times 66 - 6)/6)$
:= $(77 \times (777 + 7 + 7)/7) - 7/7$
:= $(8/8 - 88) \times ((88 - 888)/8)$
:= $(9/9 + 99) \times (99 - (99 + 9)/9)$
- ▶ **8691** := $1 + ((111 - 1) \times ((11 - 1 - 1)^{1+1} - (1+1)))$
:= $2 + 22 \times (22 - 2)^2 - 222/2$
:= $33 + (333 \times (3^3 - 3/3))$
:= $4 + ((4 \times 4 + 4/4) \times ((4^4 - 4/4) + 4^4))$
:= $5^5 + (5555 + (55/5))$
:= $6 + (((66/6) \times ((6 \times 6/(6+6))^6)) + 666)$
:= $((7+7) \times 777) - ((7+7+7)/7)^7$
:= $(8 \times (8 \times (8 \times (8+8) + 8))) - (88 + 8 + 8)/8$
:= $99 \times 99 + ((9 - 9999)/9)$
- ▶ **8696** := $1 + ((1 + (1+1+1+1)) \times (11 + ((1+11)^{1+1+1})))$
:= $2 + ((2/2 + 2)^2 \times (2 \times 22^2 - 2))$
:= $3 + ((3 \times (3 \times (3 \times 333 - 33))) - 3/3)$
:= $(4+4) \times (((4^4 - 4)/4) + 4 \times 4^4)$
:= $5 + ((5555 + (55/5)) + 5^5)$
:= $6 + ((66/6) \times (66 \times (6+6) - ((6+6)/6)))$
:= $(7/7 + 7) \times ((77 \times (7+7) + ((7+7)/7)) + 7)$
:= $(8 \times (8 \times (8 \times (8+8) + 8))) - 8$
:= $(9 - 9/9) \times ((99 \times 99 - (9+9))/9)$
- ▶ **8701** := $((11 \times (1+11))^{1+1}) / (1+1) - 11$
:= $(2 \times (2^{2+2+2} + 2)^2) - 22/2$
:= $33/3 \times ((33 \times (3^3 - 3)) - 3/3)$
:= $4/4 + ((4 \times (4+4) \times (4 \times 4 + 4^4)) - 4)$
:= $5/5 + ((5+5+5) \times (555 + 5 \times 5))$
:= $66/6 \times (66 \times (6+6) - 6/6)$
:= $77 \times (777 + 7 + 7)/7$
:= $8 + ((8 \times (8 \times (8 \times (8+8) + 8))) - (88/8))$
:= $99/9 \times (9 \times 99 - (9/9 + 99))$
- ▶ **8692** := $1 + (1 + ((111 - 1) \times ((11 - 1 - 1)^{1+1} - (1+1))))$
:= $2 + ((2 \times (2^{2+2+2} + 2)^2) - 22)$
:= $3/3 + ((333 \times (3^3 - 3/3)) + 33)$
:= $4 + (4 \times ((4+4) \times (4 \times 4 + 4^4) - 4))$
:= $5^5 + (5555 + ((55+5)/5))$
:= $((6+6)/6) \times (((6-66)/6) + 66 \times 66)$
:= $(77/7 - 7) \times (((7+7+7)/7)^7 - (7+7))$
:= $(8 \times (8 \times (8 \times (8+8) + 8))) - (88 + 8)/8$
:= $(9/9 + 9 \times 9) \times ((99 - ((9+9)/9)) + 9)$
- ▶ **8697** := $(1+1+1) \times ((1+1+11) \times (1 + (1+1) \times 111))$
:= $(222 + 2/2) \times (2 \times (22 - 2) - 2/2)$
:= $3 + (3 \times (3 \times (3 \times 333 - 33)))$
:= $4 + ((4 \times (4+4) \times (4 \times 4 + 4^4)) - 44/4)$
:= $5 + ((5555 + ((55+5)/5)) + 5^5)$
:= $(6/6 + 6 + 6) \times ((6 \times 6/(6+6)) + 666)$
:= $7 + (77/7 \times (((777 - 7/7) + 7) + 7))$
:= $8/8 + ((8 \times (8 \times (8 \times (8+8) + 8))) - 8)$
:= $999/9 + 9 \times (9 \times (99 + 9) - 9 - 9)$
- ▶ **8702** := $1 + (((11 \times (1+11))^{1+1}) / (1+1) - 11)$
:= $(2 \times ((2^{2+2+2} + 2)^2 - (2+2))) - 2$
:= $3^{3+3} + (((33/3 + 3 \times 3)^3) - 3^3)$
:= $(4+4)/4 \times (((4+4)^4 - 4/4) + 4^4)$
:= $5^5 + ((55+55)/5 + 5555)$
:= $((6+6)/6) \times ((66 \times 66 - 6) + 6/6)$
:= $7/7 + (77 \times (777 + 7 + 7)/7)$
:= $(8 \times (8 \times (8 \times (8+8) + 8))) - (8+8)/8$
:= $(99 \times (99 - (99/9))) - 9/9 - 9$

$$\begin{aligned}
\blacktriangleright 8703 &:= 1 + (1 + (((11 \times (1 + 11))^{1+1}) / (1 + 1)) - 11)) \\
&:= (2/2 + 2)^2 \times (2 \times 2^{2+2} - 2/2) \\
&:= 3 \times ((3 \times (3 \times 333 - 33)) + 3) \\
&:= (4 \times (4 + 4) \times (4 \times 4 + 4^4)) - 4/4 \\
&:= 5 \times 5 + ((5555 - ((5 + 5)/5)) + 5^5) \\
&:= (((6 - 66) + 6)/6) + 66 \times (66 + 66) \\
&:= (7 + 7)/7 + (77 \times (777 + 7 + 7)/7) \\
&:= (8 \times (8 \times (8 \times (8 + 8) + 8))) - 8/8 \\
&:= (99 \times (99 - (99/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8704 &:= ((1 + 1)^{1+1+11}) + (1 + 1)^{11-1-1} \\
&:= 2 \times ((2^{2+2+2} + 2)^2 - (2 + 2)) \\
&:= (3/3 + 3) \times (3 \times 3^{3+3} - 33/3) \\
&:= 4 \times (4 + 4) \times (4 \times 4 + 4^4) \\
&:= 5 \times 5 + ((5555 - 5/5) + 5^5) \\
&:= 66 \times (66 + 66) - ((6 + 6)/6 + 6) \\
&:= ((7 + 7)/7)^7 \times (77 - ((7 + 7)/7 + 7)) \\
&:= 8 \times (8 \times (8 \times (8 + 8) + 8)) \\
&:= (9 - 9/9 + 9) \times ((9 + 9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8705 &:= 1 + (((1 + 1)^{1+1+11}) + (1 + 1)^{11-1-1}) \\
&:= 2 + ((2/2 + 2)^2 \times (2 \times 2^{2+2} - 2/2)) \\
&:= 33/3 + (3 \times (3 \times (3 \times 333 - 33))) \\
&:= 4/4 + (4 \times (4 + 4) \times (4 \times 4 + 4^4)) \\
&:= 5 \times 5 + (5555 + 5^5) \\
&:= 66 \times (66 + 66) - 6/6 - 6 \\
&:= ((7/7 + 7) \times (77 \times (7 + 7) + (77/7))) - 7 \\
&:= 8/8 + (8 \times (8 \times (8 \times (8 + 8) + 8))) \\
&:= 9/9 + (((9 - 9/9) + 9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8706 &:= (((11 \times (1 + 11))^{1+1}) - (1 + 11)) / (1 + 1) \\
&:= (2 \times ((2^{2+2+2} + 2)^2 - 2)) - 2 \\
&:= ((3 \times 3 + 3) \times (3^{3+3} - 3)) - 3 - 3 \\
&:= (4 + 4)/4 + (4 \times (4 + 4) \times (4 \times 4 + 4^4)) \\
&:= 5 \times 5 + ((5555 + 5/5) + 5^5) \\
&:= 66 \times (66 + 66) - 6 \\
&:= 7777/7 + (7 \times (77 \times (7 + 7) + 7)) \\
&:= (8 + 8)/8 + (8 \times (8 \times (8 \times (8 + 8) + 8))) \\
&:= (9 + 9)/9 + (((9 - 9/9) + 9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8707 &:= (1 + (((11 \times (1 + 11))^{1+1}) - 11)) / (1 + 1) \\
&:= (2 \times ((2^{2+2+2} + 2)^2 - 2)) - 2/2 \\
&:= 3 + ((3/3 + 3) \times (3 \times 3^{3+3} - 33/3)) \\
&:= 4 + ((4 \times (4 + 4) \times (4 \times 4 + 4^4)) - 4/4) \\
&:= 5 \times 5 + ((5555 + ((5 + 5)/5)) + 5^5) \\
&:= 6/6 + (66 \times (66 + 66) - 6) \\
&:= 7 \times 7 + ((7/7 + 77) \times 777/7) \\
&:= 88/8 + ((8 \times (8 \times (8 \times (8 + 8) + 8))) - 8) \\
&:= 9 \times 9 \times (99 + 9) - ((9 \times 9 \times 9 + 9) / (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8708 &:= 1 + ((1 + (((11 \times (1 + 11))^{1+1}) - 11)) / (1 + 1)) \\
&:= 2 \times ((2^{2+2+2} + 2)^2 - 2) \\
&:= (3/3 + 3) \times ((3 \times (3^{3+3} - 3)) - 3/3) \\
&:= 4 + (4 \times (4 + 4) \times (4 \times 4 + 4^4)) \\
&:= ((5 + 5)/5 + 5) \times (((5^5 - 5 + 5^5)/5) - 5) \\
&:= (6 + 6)/6 + (66 \times (66 + 66) - 6) \\
&:= 7 + (77 \times (777 + 7 + 7)/7) \\
&:= 8 \times 8 / (8 + 8) + (8 \times (8 \times (8 \times (8 + 8) + 8))) \\
&:= 9 + ((99 \times 99 - 9999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8709 &:= (((11 \times (1 + 11))^{1+1}) / (1 + 1)) - 1 - 1 - 1 \\
&:= 2/2 + (2 \times ((2^{2+2+2} + 2)^2 - 2)) \\
&:= ((3 \times 3 + 3) \times (3^{3+3} - 3)) - 3 \\
&:= 4 + ((4 \times (4 + 4) \times (4 \times 4 + 4^4)) + 4/4) \\
&:= 5 + (((5555 - 5/5) + 5^5) + 5 \times 5) \\
&:= 66 \times (66 + 66) - 6 \times 6 / (6 + 6) \\
&:= 7 + ((77 \times (777 + 7 + 7)/7) + 7/7) \\
&:= 8 + (((8 \times (8 \times (8 \times (8 + 8) + 8))) - (88/8)) + 8) \\
&:= 9 + ((9/9 + 99) \times (99 - (99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8710 &:= (((11 \times (1 + 11))^{1+1}) / (1 + 1)) - 1 - 1 \\
&:= (2 \times ((2^{2+2+2} + 2)^2) - 2) \\
&:= 3/3 + (((3 \times 3 + 3) \times (3^{3+3} - 3)) - 3) \\
&:= 4 + ((4 \times (4 + 4) \times (4 \times 4 + 4^4)) + (4 + 4)/4) \\
&:= 5 + ((5555 + 5 \times 5) + 5^5) \\
&:= ((6 + 6)/6) \times (66 \times 66 - 6/6) \\
&:= 77777/7 - 7 \times 7 \times 7 \times 7 \\
&:= 8 + ((8 \times (8 \times (8 \times (8 + 8) + 8))) - ((8 + 8)/8)) \\
&:= (9/9 + 9) \times (9 \times 99 - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8711 &:= (((11 \times (1 + 11))^{1+1}) / (1 + 1)) - 1 \\
&:= (2 \times ((2^{2+2+2} + 2)^2) - 2) / 2 \\
&:= ((3 \times 3 + 3) \times (3^{3+3} - 3)) - 3/3 \\
&:= 4 + (((4 \times (4 + 4) \times (4 \times 4 + 4^4)) - 4/4) + 4) \\
&:= 5 + (((5555 + 5 \times 5) + 5^5) + 5/5) \\
&:= 66 \times (66 + 66) - 6/6 \\
&:= 7 + (((7 + 7)/7)^7 \times (77 - ((7 + 7)/7 + 7))) \\
&:= 8 + ((8 \times (8 \times (8 \times (8 + 8) + 8))) - 8/8) \\
&:= (99 \times (99 - (99/9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8712 &:= ((11 \times (1 + 11))^{1+1}) / (1 + 1) \\
&:= 2 \times (2^{2+2+2} + 2)^2 \\
&:= (3 \times 3 + 3) \times (3^{3+3} - 3) \\
&:= 4 + ((4 \times (4 + 4) \times (4 \times 4 + 4^4)) + 4) \\
&:= 5^5 + (5555 + ((5 + 5)/5)^5) \\
&:= 66 \times (66 + 66) \\
&:= (7/7 + 7) \times (77 \times (7 + 7) + (77/7)) \\
&:= 8 + (8 \times (8 \times (8 \times (8 + 8) + 8))) \\
&:= 99 \times (99 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8713 &:= 1 + (((11 \times (1 + 11))^{1+1}) / (1 + 1)) \\
&:= 2/2 + (2 \times (2^{2+2+2} + 2)^2) \\
&:= 3/3 + ((3 \times 3 + 3) \times (3^{3+3} - 3)) \\
&:= 4 + (((4 \times (4 + 4) \times (4 \times 4 + 4^4)) + 4/4) + 4) \\
&:= (((5 + 5)/5)^5 \times (5 \times 55 - 5/5)) - 55 \\
&:= 6/6 + 66 \times (66 + 66) \\
&:= ((77/7 - 7) \times (((7 + 7 + 7)/7)^7 - 7)) - 7 \\
&:= 8 + ((8 \times (8 \times (8 \times (8 + 8) + 8))) + 8/8) \\
&:= 9 + (((9 - 9/9) + 9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8714 &:= 1 + (1 + (((11 \times (1 + 11))^{1+1}) / (1 + 1))) \\
&:= 2 + (2 \times (2^{2+2+2} + 2)^2) \\
&:= 3 + (((3 \times 3 + 3) \times (3^{3+3} - 3)) - 3/3) \\
&:= (4 + 4)/4 \times (((4 + 4)^4 + 4/4 + 4^4) + 4) \\
&:= 5^5 + ((5 - 5/5 + 5) \times ((5^5 + 5)/5 - 5)) \\
&:= (6 + 6)/6 + 66 \times (66 + 66) \\
&:= 7 + (((7/7 + 77) \times 777/7) + 7 \times 7) \\
&:= 8 + ((8 \times (8 \times (8 \times (8 + 8) + 8))) + ((8 + 8)/8)) \\
&:= (9 + 9)/9 + (99 \times (99 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8715 &:= 1 + (1 + (1 + (((11 \times (1 + 11))^{1+1}) / (1 + 1)))) \\
&:= 2 + ((2 \times (2^{2+2+2} + 2)^2) + 2/2) \\
&:= 3 + ((3 \times 3 + 3) \times (3^{3+3} - 3)) \\
&:= 44/4 + (4 \times (4 + 4) \times (4 \times 4 + 4^4)) \\
&:= 5 + (((5555 + 5 \times 5) + 5^5) + 5) \\
&:= (6 \times 6 / (6 + 6)) + 66 \times (66 + 66) \\
&:= (7/7 + 7 + 7) \times (7 \times (77 + 7) - 7) \\
&:= 88/8 + (8 \times (8 \times (8 \times (8 + 8) + 8))) \\
&:= 99/9 + (((9 - 9/9) + 9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8716 &:= 1 + (1 + (1 + (1 + (((11 \times (1 + 11))^{1+1}) / (1 + 1)))))) \\
&:= 2 \times ((2^{2+2+2} + 2)^2 + 2) \\
&:= 3 + (((3 \times 3 + 3) \times (3^{3+3} - 3)) + 3/3) \\
&:= (4 \times ((4 + 4) \times (4 \times 4 + 4^4) + 4)) - 4 \\
&:= 5 \times 5 + ((5555 + (55/5)) + 5^5) \\
&:= 6 + (((6 + 6)/6) \times (66 \times 66 - 6/6)) \\
&:= 7/7 + ((7/7 + 7 + 7) \times (7 \times (77 + 7) - 7)) \\
&:= ((88 + 8)/8) + (8 \times (8 \times (8 \times (8 + 8) + 8))) \\
&:= 9 + (9 \times 9 \times (99 + 9) - ((9 \times 9 \times 9 + 9) / (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8717 &:= (11 + (((11 \times (1 + 11))^{1+1}) - 1)) / (1 + 1) \\
&:= 2/2 + (2 \times ((2^{2+2+2} + 2)^2 + 2)) \\
&:= 3 + (((3 \times 3 + 3) \times (3^{3+3} - 3)) - 3/3) + 3 \\
&:= 4/4 + ((4 \times ((4 + 4) \times (4 \times 4 + 4^4) + 4)) - 4) \\
&:= 5 + ((5555 + ((5 + 5)/5)^5) + 5^5) \\
&:= 6 + (66 \times (66 + 66) - 6/6) \\
&:= 7 + (77777/7 - 7 \times 7 \times 7 \times 7) \\
&:= 8888 - ((8/8 + 8) \times (88/8 + 8)) \\
&:= 9 \times 9 \times (99 + 9) - (((99 + 99)/9) + 9)
\end{aligned}$$

- 8718 := $(1 + (11 + ((11 \times (1 + 11))^{1+1}))) / (1 + 1)$
:= $2 + (2 \times ((2^{2+2+2} + 2)^2 + 2))$
:= $3 + (((3 \times 3 + 3) \times (3^{3+3} - 3)) + 3)$
:= $(4 \times ((4 + 4) \times (4 \times 4 + 4^4) + 4)) - (4 + 4) / 4$
:= $5 \times (5^5 - 5 \times 5 \times 55) - ((5 + 5) / 5)^5$
:= $6 + 66 \times (66 + 66)$
:= $7 + (((7 + 7) / 7)^7 \times (77 - ((7 + 7) / 7 + 7))) + 7$
:= $8 + (((8 \times (8 \times (8 \times (8 + 8) + 8))) - ((8 + 8) / 8)) + 8)$
:= $(9 \times (9 \times (99 + 9) + 9)) - 999 / 9$
- 8719 := $1 + ((1 + (11 + ((11 \times (1 + 11))^{1+1}))) / (1 + 1))$
:= $2 + ((2 \times ((2^{2+2+2} + 2)^2 + 2)) + 2 / 2)$
:= $3 + (((3 \times 3 + 3) \times (3^{3+3} - 3)) + 3 / 3 + 3)$
:= $(4 \times ((4 + 4) \times (4 \times 4 + 4^4) + 4)) - 4 / 4$
:= $5^5 + (((5 + 5) \times (555 + 5)) - (5 / 5 + 5))$
:= $6 + (66 \times (66 + 66) + 6 / 6)$
:= $7 + ((7 / 7 + 7) \times (77 \times (7 + 7) + (77 / 7)))$
:= $8 + (((8 \times (8 \times (8 \times (8 + 8) + 8))) - 8 / 8) + 8)$
:= $9 \times 9 \times (99 + 9) - (99 / 9 + 9 + 9)$
- 8720 := $(111 - 1 - 1) \times ((11 - 1 - 1)^{1+1} - 1)$
:= $2 \times (((2^{2+2+2} + 2)^2 + 2) + 2)$
:= $(3 \times 3 - 3 / 3) \times (33 \times 33 + 3 / 3)$
:= $4 \times ((4 + 4) \times (4 \times 4 + 4^4) + 4)$
:= $5^5 + (((5 + 5) \times (555 + 5)) - 5)$
:= $6 + (66 \times (66 + 66) + ((6 + 6) / 6))$
:= $(77 / 7 - 7) \times (((7 + 7 + 7) / 7)^7 - 7)$
:= $8 + ((8 \times (8 \times (8 \times (8 + 8) + 8))) + 8)$
:= $(9 - 9 / 9) \times ((99 \times 99 + 9) / 9)$
- 8721 := $1 + ((111 - 1 - 1) \times ((11 - 1 - 1)^{1+1} - 1))$
:= $(2 / 2 + 2)^2 \times (2 \times 22^2 + 2 / 2)$
:= $3 \times (3 \times ((3^3 \times (33 + 3)) - 3))$
:= $4 / 4 + (4 \times ((4 + 4) \times (4 \times 4 + 4^4) + 4))$
:= $(5 - 5 / 5 + 5) \times ((5 - 5 / 5)^5 - 55)$
:= $((6 + 6) \times 666) + ((6 \times 6 / (6 + 6))^6)$
:= $((7 + 7) \times (7 \times 77 + 77 + 7)) - 7 / 7$
:= $(8 / 8 + 8) \times ((88 \times 88 + 8) / 8)$
:= $9 + (99 \times (99 - (99 / 9)))$
- 8722 := $11 + (((11 \times (1 + 11))^{1+1}) / (1 + 1)) - 1$
:= $2 + (2 \times (((2^{2+2+2} + 2)^2 + 2) + 2))$
:= $3 / 3 + (3 \times (3 \times ((3^3 \times (33 + 3)) - 3)))$
:= $(4 + 4) / 4 + (4 \times ((4 + 4) \times (4 \times 4 + 4^4) + 4))$
:= $((5 - 5 / 5 + 5) + 5) \times (5^5 - 5 - 5) / 5$
:= $((6 + 6) / 6) \times ((66 \times 66 - 6 / 6) + 6)$
:= $(7 + 7) \times (7 \times 77 + 77 + 7)$
:= $(8 / 8 + 88) \times (((8 + 8) / 8 + 88) + 8)$
:= $(99 - 9 / 9) \times ((9 \times 9 - 9 / 9) + 9)$
- 8723 := $11 + (((11 \times (1 + 11))^{1+1}) / (1 + 1))$
:= $22 / 2 + (2 \times (2^{2+2+2} + 2)^2)$
:= $33 / 3 + ((3 \times 3 + 3) \times (3^{3+3} - 3))$
:= $4 + ((4 \times ((4 + 4) \times (4 \times 4 + 4^4) + 4)) - 4 / 4)$
:= $5^5 + (((5 + 5) \times (555 + 5)) - ((5 + 5) / 5))$
:= $66 / 6 + 66 \times (66 + 66)$
:= $7 / 7 + ((7 + 7) \times (7 \times 77 + 77 + 7))$
:= $8 + ((8 \times (8 \times (8 \times (8 + 8) + 8))) + (88 / 8))$
:= $99 / 9 + (99 \times (99 - (99 / 9)))$
- 8724 := $1 + (11 + (((11 \times (1 + 11))^{1+1}) / (1 + 1)))$
:= $2 \times (((2^{2+2+2} + 2)^2 + 2) + 2) + 2$
:= $3 + (3 \times (3 \times ((3^3 \times (33 + 3)) - 3)))$
:= $4 + (4 \times ((4 + 4) \times (4 \times 4 + 4^4) + 4))$
:= $5^5 + (((5 + 5) \times (555 + 5)) - 5 / 5)$
:= $6 + (66 \times (66 + 66) + 6)$
:= $7 \times 77 + (((7 + 7) / 7)^{7-7/7+7} - 7)$
:= $8 + ((8 \times (8 \times (8 \times (8 + 8) + 8))) + ((88 + 8) / 8))$
:= $(99 + 9) / 9 \times (9 \times 9 \times 9 - ((9 + 9) / 9))$
- 8725 := $1 + (1 + (11 + (((11 \times (1 + 11))^{1+1}) / (1 + 1))))$
:= $2 + ((2 \times (2^{2+2+2} + 2)^2) + 22 / 2)$
:= $3 + ((3 \times (3 \times ((3^3 \times (33 + 3)) - 3))) + 3 / 3)$
:= $4 + ((4 \times ((4 + 4) \times (4 \times 4 + 4^4) + 4)) + 4 / 4)$
:= $5 \times (5^5 - (5 \times 5 \times 55 + 5))$
:= $6 + ((66 \times (66 + 66) + 6 / 6) + 6)$
:= $(77 / 7 + 7 + 7) \times ((7 \times 7 \times 7 - 7 / 7) + 7)$
:= $8888 - ((88 / 8 + 88) + 8 \times 8)$
:= $9 \times 9 \times (99 + 9) - (99 + 99 + 9) / 9$
- 8726 := $1 + (1 + (1 + (11 + (((11 \times (1 + 11))^{1+1}) / (1 + 1))))$
:= $((2^{2+2} + 2) \times (22^2 + 2)) - 22$
:= $3^{3+3} + (((33 / 3 + 3 \times 3)^3) - 3)$
:= $(4 + 4) / 4 \times ((44 / 4 + (4 + 4)^4) + 4^4)$
:= $5^5 + (((5 + 5) \times (555 + 5)) + 5 / 5)$
:= $((6 + 6) / 6) \times ((66 \times 66 + 6 / 6) + 6)$
:= $7 + (((7 / 7 + 7) \times (77 \times (7 + 7) + (77 / 7))) + 7)$
:= $(88 + 88) / 8 + (8 \times (8 \times (8 + 8) + 8))$
:= $9 \times 9 \times (99 + 9) - ((99 + 99) / 9)$
- 8727 := $1 + (1 + (1 + (1 + (11 + (((11 \times (1 + 11))^{1+1}) / (1 + 1))))))$
:= $22 / 2 + (2 \times ((2^{2+2+2} + 2)^2 + 2))$
:= $3 + ((3 \times (3 \times ((3^3 \times (33 + 3)) - 3))) + 3)$
:= $4 + (((4 \times ((4 + 4) \times (4 \times 4 + 4^4) + 4)) - 4 / 4) + 4)$
:= $5 + (((5 - 5 / 5 + 5) + 5) \times (5^5 - 5 - 5) / 5)$
:= $6 + (((6 + 6) \times 666) + ((6 \times 6 / (6 + 6))^6))$
:= $7 + ((77 / 7 - 7) \times (((7 + 7 + 7) / 7)^7 - 7))$
:= $8 + (((8 \times (8 \times (8 \times (8 + 8) + 8))) - 8 / 8) + 8) + 8$
:= $9 \times 9 \times (99 + 9) - ((99 + 9) / 9 + 9)$
- 8728 := $11 + ((11 + (((11 \times (1 + 11))^{1+1}) - 1)) / (1 + 1))$
:= $2 \times ((2^{2+2+2} + 2)^2 + 2 \times (2 + 2))$
:= $3^{3+3} + (((33 / 3 + 3 \times 3)^3) - 3 / 3)$
:= $4 + ((4 \times ((4 + 4) \times (4 \times 4 + 4^4) + 4)) + 4)$
:= $5 + (((5 + 5) \times (555 + 5)) - ((5 + 5) / 5)) + 5^5$
:= $6 + (66 \times (66 + 66) + ((66 - 6) / 6))$
:= $7 + (((7 + 7) \times (7 \times 77 + 77 + 7)) - 7 / 7)$
:= $8 + (((8 \times (8 \times (8 \times (8 + 8) + 8))) + 8) + 8)$
:= $9 \times 9 \times (99 + 9) - (99 / 9 + 9)$
- 8729 := $11 + ((1 + (11 + (((11 \times (1 + 11))^{1+1}))) / (1 + 1))$
:= $((2 / 2 + 2)^2 \times (2 \times 22^2 + 2)) - 2 / 2$
:= $3^{3+3} + ((33 / 3 + 3 \times 3)^3)$
:= $(44 - 4 / 4) \times (((44 - 4^4) / 4) + 4^4)$
:= $5 + (((5 + 5) \times (555 + 5)) - 5 / 5) + 5^5$
:= $6 + (66 \times (66 + 66) + (66 / 6))$
:= $7 + ((7 + 7) \times (7 \times 77 + 77 + 7))$
:= $8 + ((8 / 8 + 8) \times ((88 \times 88 + 8) / 8))$
:= $9 \times 9 \times (99 + 9) - (9 / 9 + 9 + 9)$
- 8730 := $(1 + 1) \times ((11 - 1 - 1) \times (1 + ((11 + 11)^{1+1})))$
:= $(2 / 2 + 2)^2 \times (2 \times 22^2 + 2)$
:= $3 \times ((3 \times ((3^3 \times (33 + 3)) - 3)) + 3)$
:= $(44 + 4 / 4) \times (((4 - 4^4) + 4) / 4) + 4^4$
:= $5 + (((5 + 5) \times (555 + 5)) + 5^5)$
:= $6 + ((66 \times (66 + 66) + 6) + 6)$
:= $7 + (((7 + 7) \times (7 \times 77 + 77 + 7)) + 7 / 7)$
:= $(8 / 8 + 8) \times (88 \times 88 + 8 + 8) / 8$
:= $9 \times 9 \times (99 + 9) - (9 + 9)$
- 8731 := $1 + ((1 + 1) \times ((11 - 1 - 1) \times (1 + ((11 + 11)^{1+1}))))$
:= $2 / 2 + ((2 / 2 + 2)^2 \times (2 \times 22^2 + 2))$
:= $3 / 3 + (3 \times (3 \times ((3^3 \times (33 + 3)) - 3)) + 3)$
:= $44 / 4 + (4 \times ((4 + 4) \times (4 \times 4 + 4^4) + 4))$
:= $((5^5 - 5) / 5 \times ((5 - 5 / 5 + 5) + 5)) - 5$
:= $6 + (((66 \times (66 + 66) + 6 / 6) + 6) + 6)$
:= $7 \times 77 + (((7 + 7) / 7)^{7-7/7+7})$
:= $8 + (((8 \times (8 \times (8 \times (8 + 8) + 8))) + (88 / 8)) + 8)$
:= $9 / 9 + (9 \times 9 \times (99 + 9) - (9 + 9))$
- 8732 := $(1 + 1) \times (1 + ((11 - 1 - 1) \times (1 + ((11 + 11)^{1+1}))))$
:= $(2 \times 2 \times (22 + 2))^2 - 22^2$
:= $3 + (((33 / 3 + 3 \times 3)^3) + 3^{3+3})$
:= $4 \times (((4 - 4) / 4)^{4+4-4/4} - 4)$
:= $5^5 + ((5 - 5 / 5 + 5) \times (5^5 - 5 - 5) / 5)$
:= $6 + (((6 + 6) / 6) \times ((66 \times 66 + 6 / 6) + 6))$
:= $(777 / 7 + 7) \times (77 - ((7 + 7 + 7) / 7))$
:= $8 + (((8 \times (8 \times (8 \times (8 + 8) + 8))) + (88 + 8) / 8) + 8)$
:= $(9 + 9) / 9 + (9 \times 9 \times (99 + 9) - (9 + 9))$

- 8733 := $11 + (11 + (((11 \times (1 + 11))^{1+1}) / (1 + 1)) - 1)$
:= $22 + ((2 \times (2^{2+2+2} + 2)^2) - 2/2)$
:= $((3/3 + 3) \times (3 \times 3^{3+3} - 3)) - 3$
:= $4/4 + (4 \times (((4 - 4/4)^{4+4-4/4}) - 4))$
:= $55 + ((5555 - ((5 + 5)/5)) + 5^5)$
:= $((66 - 6/6) + 6) \times ((666/6 + 6) + 6)$
:= $77/7 + ((7 + 7) \times (7 \times 77 + 77 + 7))$
:= $8 + (8888 - ((88/8 + 88) + 8 \times 8))$
:= $9 + ((99 + 9)/9 \times (9 \times 9 \times 9 - ((9 + 9)/9)))$
- 8734 := $11 + (11 + (((11 \times (1 + 11))^{1+1}) / (1 + 1)))$
:= $22 + (2 \times (2^{2+2+2} + 2)^2)$
:= $((3 \times 3 + 3) \times 3^{3+3}) - (33/3 + 3)$
:= $((4 + 4) \times ((4 \times (4 \times 4 + 4^4)) + 4)) - (4 + 4)/4$
:= $55 + ((5555 - 5/5) + 5^5)$
:= $66/6 \times (66 \times (6 + 6) + ((6 + 6)/6))$
:= $77/7 \times (((77 - 7)/7) + 777 + 7)$
:= $88/8 \times (((8 + 8)/8) + 8 \times 88 + 88)$
:= $99/9 \times (((9 + 9)/9) - 99) + 9 \times 99$
- 8735 := $((1 + 11) \times ((11 - 1 - 1)^{1+1+1} - 1)) - 1$
:= $22 + ((2 \times (2^{2+2+2} + 2)^2) + 2/2)$
:= $((3/3 + 3) \times (3 \times 3^{3+3} - 3)) - 3/3$
:= $((4 + 4) \times ((4 \times (4 \times 4 + 4^4)) + 4)) - 4/4$
:= $55 + (5555 + 5^5)$
:= $66666/6 - 6 \times 6 \times 66$
:= $77 + ((7/7 + 77) \times 777/7)$
:= $8888 - ((8 \times 8 + 88) + 8/8)$
:= $9 \times 999 - (((9 + 9)/9)^{9-9/9})$
- 8736 := $(1 + 11) \times ((11 - 1 - 1)^{1+1+1} - 1)$
:= $2 + ((2 \times (2^{2+2+2} + 2)^2) + 22)$
:= $(3/3 + 3) \times (3 \times 3^{3+3} - 3)$
:= $(4 + 4) \times ((4 \times (4 \times 4 + 4^4)) + 4)$
:= $(5^5 - 5)/5 \times ((5 - 5/5 + 5) + 5)$
:= $(6/6 + 6 + 6) \times (666 + 6)$
:= $(77 + 7) \times (777/7 - 7)$
:= $8888 - (8 \times 8 + 88)$
:= $(99 + 9)/9 \times (9 \times 9 \times 9 - 9/9)$
- 8737 := $1 + ((1 + 11) \times ((11 - 1 - 1)^{1+1+1} - 1))$
:= $((2^{2+2} + 2) \times (22^2 + 2)) - 22/2$
:= $((3 \times 3 + 3) \times 3^{3+3}) - 33/3$
:= $4/4 + ((4 + 4) \times ((4 \times (4 \times 4 + 4^4)) + 4))$
:= $55 + ((5555 + ((5 + 5)/5)) + 5^5)$
:= $6/6 + ((6/6 + 6 + 6) \times (666 + 6))$
:= $7/7 + ((77 + 7) \times (777/7 - 7))$
:= $8/8 + (8888 - (8 \times 8 + 88))$
:= $9 \times 9 \times (99 + 9) - 99/9$
- 8738 := $1 + (1 + ((1 + 11) \times ((11 - 1 - 1)^{1+1+1} - 1)))$
:= $22 + (2 \times ((2^{2+2+2} + 2)^2 + 2))$
:= $((3 - 33)/3) + ((3 \times 3 + 3) \times 3^{3+3})$
:= $(4/4 + 4^4) \times ((4 - 44)/4 + 44)$
:= $((55 + 5)/5) + 5 \times (5^5 - 555)/5$
:= $(6 + 6)/6 + ((6/6 + 6 + 6) \times (666 + 6))$
:= $7 + (((7 + 7)/7)^{7-7/7+7}) + 7 \times 77$
:= $(8/8 + 8 + 8) \times (8 \times 8 \times 8 + (8 + 8)/8)$
:= $9 \times 9 \times (99 + 9) - 9/9 - 9$
- 8739 := $1 + (1 + (1 + ((1 + 11) \times ((11 - 1 - 1)^{1+1+1} - 1))))$
:= $(2/2 + 2)^2 \times ((2 \times 22^2 + 2/2) + 2)$
:= $3 \times ((3 \times (3^3 \times (33 + 3))) - 3)$
:= $4 + (((4 + 4) \times ((4 \times (4 \times 4 + 4^4)) + 4)) - 4/4)$
:= $5 \times (5^5 - 5 \times 5 \times 55) - 55/5$
:= $((66/6) \times (((6 \times 6/(6 + 6))^6) + 66)) - 6$
:= $7 + ((777/7 + 7) \times (77 - ((7 + 7 + 7)/7)))$
:= $(8/8 + 8) \times ((8 \times (8 \times (8 + 8) - 8)) + (88/8))$
:= $9 \times 9 \times (99 + 9) - 9$
- 8740 := $(1 + 1) \times ((1 + 1) \times (((1 + 1 + 11)^{1+1+1} - (1 + 11)))$
:= $(2 - 22) \times ((2 - ((22 - 2/2)^2)) + 2)$
:= $3 + (((3 \times 3 + 3) \times 3^{3+3}) - 33/3)$
:= $4 + ((4 + 4) \times ((4 \times (4 \times 4 + 4^4)) + 4))$
:= $5 + ((5555 + 55) + 5^5)$
:= $6 + ((66/6) \times (66 \times (6 + 6) + ((6 + 6)/6)))$
:= $(7/7 - 77) \times (7 - (777 + 77)/7)$
:= $8888 + (888/(((8 + 8)/8) - 8))$
:= $9/9 + (9 \times 9 \times (99 + 9) - 9)$
- 8741 := $1 + ((1 + 1) \times ((1 + 1) \times (((1 + 1 + 11)^{1+1+1} - (1 + 11))))$
:= $2 + ((2/2 + 2)^2 \times ((2 \times 22^2 + 2/2) + 2))$
:= $((3 \times 3 + 3) \times 3^{3+3}) - (3/3 + 3 + 3)$
:= $4 + (((4 + 4) \times ((4 \times (4 \times 4 + 4^4)) + 4)) + 4/4)$
:= $5 + ((5^5 - 5)/5 \times ((5 - 5/5 + 5) + 5))$
:= $((6 + 6) \times ((6 \times 6/(6 + 6))^6) - 6/6 - 6)$
:= $((77/7 - 7) \times ((7 + 7 + 7)/7)^7) - 7$
:= $8888 - ((8 \times (8 + 8) + (88/8)) + 8)$
:= $(9 + 9)/9 + (9 \times 9 \times (99 + 9) - 9)$
- 8742 := $(1 + 1) \times ((1 + 1 + 1) \times (1 + ((1 + 1 + 11) \times (1 + 11))))$
:= $2 + ((2 - 22) \times ((2 - ((22 - 2/2)^2)) + 2))$
:= $((3 \times 3 + 3) \times 3^{3+3}) - 3 - 3$
:= $4 + ((4/4 + 4^4) \times ((4 - 44)/4 + 44))$
:= $5 + (((5^5 - 5)/5 \times ((5 - 5/5 + 5) + 5)) + 5/5)$
:= $((6 + 6) \times ((6 \times 6/(6 + 6))^6) - 6)$
:= $7 + (((7/7 + 77) \times 777/7) + 77)$
:= $8 + (88/8 \times (((8 + 8)/8) + 8 \times 88 + 88))$
:= $((9 + 9 + 9)/9) + (9 \times 9 \times (99 + 9) - 9)$
- 8743 := $((1 + 1) \times ((1 + 1) \times (((1 + 1 + 11)^{1+1+1} - 11))) - 1$
:= $(22 \times ((22 - 2)^2 - 2)) - (22/2 + 2)$
:= $3/3 + (((3 \times 3 + 3) \times 3^{3+3}) - (3 + 3))$
:= $(4 \times ((4 - 4/4)^{4+4-4/4}) - 4/4 - 4)$
:= $((5 + 5)/5 + 5) \times ((5^5 - 5 + 5^5)/5)$
:= $6/6 + (((6 + 6) \times ((6 \times 6/(6 + 6))^6)) - 6)$
:= $7 + ((77 + 7) \times (777/7 - 7))$
:= $8 + (8888 - ((8 \times 8 + 88) + 8/8))$
:= $((9 - 99)/(9 + 9)) + 9 \times 9 \times (99 + 9)$
- 8744 := $(1 + 1) \times ((1 + 1) \times (((1 + 1 + 11)^{1+1+1} - 11))$
:= $2 \times ((2^{2+2+2} + 2)^2 + 2^{2+2})$
:= $(3/3 + 3) \times (3 \times 3^{3+3} - 3/3)$
:= $(4 \times ((4 - 4/4)^{4+4-4/4}) - 4)$
:= $5 \times (5^5 - 5 \times 5 \times 55) - (5/5 + 5)$
:= $(6 + 6)/6 + (((6 + 6) \times ((6 \times 6/(6 + 6))^6)) - 6)$
:= $7 + (((77 + 7) \times (777/7 - 7)) + 7/7)$
:= $8 + (8888 - (8 \times 8 + 88))$
:= $(9 - 9/9) \times (9999/9 - (9 + 9))$
- 8745 := $11 \times (11 + ((1 + 1 + 1 + 1)^{1+1+1+1+1}))$
:= $(22 \times ((22 - 2)^2 - 2)) - 22/2$
:= $((3 \times 3 + 3) \times 3^{3+3}) - 3$
:= $4/4 + ((4 \times ((4 - 4/4)^{4+4-4/4}) - 4)$
:= $5 \times (5^5 - 5 \times 5 \times 55) - 5$
:= $66/6 \times (((6 \times 6/(6 + 6))^6) + 66)$
:= $77/7 \times ((77/7 + 777) + 7)$
:= $8 + ((8888 - (8 \times 8 + 88)) + 8/8)$
:= $9 \times 9 \times (99 + 9) - (9 + 9 + 9)/9$
- 8746 := $((1 + 11) \times (11 - 1 - 1)^{1+1+1}) - 1 - 1$
:= $((2^{2+2} + 2) \times (22^2 + 2)) - 2$
:= $3/3 + (((3 \times 3 + 3) \times 3^{3+3}) - 3)$
:= $((4/4 + 4)^4 \times ((44 - 4)/4 + 4)) - 4$
:= $5/5 + (5 \times (5^5 - 5 \times 5 \times 55) - 5)$
:= $((6 + 6) \times ((6 \times 6/(6 + 6))^6) - (6 + 6)/6)$
:= $7/7 + (77/7 \times ((77/7 + 777) + 7))$
:= $8 + ((8/8 + 8 + 8) \times (8 \times 8 \times 8 + (8 + 8)/8))$
:= $9 \times 9 \times (99 + 9) - (9 + 9)/9$
- 8747 := $((1 + 11) \times (11 - 1 - 1)^{1+1+1}) - 1$
:= $((2^{2+2} + 2) \times (22^2 + 2)) - 2/2$
:= $((3 \times 3 + 3) \times 3^{3+3}) - 3/3$
:= $(4 \times ((4 - 4/4)^{4+4-4/4}) - 4/4)$
:= $555 + ((5 + 5)/5)^{(55+5+5)/5}$
:= $((6 + 6) \times ((6 \times 6/(6 + 6))^6) - 6/6)$
:= $77/7 + ((77 + 7) \times (777/7 - 7))$
:= $88/8 + (8888 - (8 \times 8 + 88))$
:= $9 \times 9 \times (99 + 9) - 9/9$

$$\begin{aligned}
\blacktriangleright 8748 &:= (1+11) \times (11-1-1)^{1+1+1} \\
&:= (2^{2+2} + 2) \times (22^2 + 2) \\
&:= (3 \times 3 + 3) \times 3^{3+3} \\
&:= 4 \times ((4-4/4)^{4+4-4/4}) \\
&:= (55/5 + 5 \times 5) \times ((5 - (5+5)/5)^5) \\
&:= (6+6) \times ((6 \times 6/(6+6))^6) \\
&:= (77/7 - 7) \times ((7+7+7)/7)^7 \\
&:= 8 \times 8/(8+8) \times ((88/8 - 8)^{8-8/8}) \\
&:= 9 \times 9 \times (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8749 &:= 1 + ((1+11) \times (11-1-1)^{1+1+1}) \\
&:= 2/2 + ((2^{2+2} + 2) \times (22^2 + 2)) \\
&:= 3/3 + ((3 \times 3 + 3) \times 3^{3+3}) \\
&:= 4/4 + (4 \times ((4-4/4)^{4+4-4/4})) \\
&:= 5 \times (5^5 - 5 \times 5 \times 55) - 5/5 \\
&:= 6/6 + ((6+6) \times ((6 \times 6/(6+6))^6)) \\
&:= 7/7 + ((77/7 - 7) \times ((7+7+7)/7)^7) \\
&:= 8888 - (8 \times (8+8) + (88/8)) \\
&:= 9/9 + 9 \times 9 \times (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8750 &:= 1 + (1 + ((1+11) \times (11-1-1)^{1+1+1})) \\
&:= 2 + ((2^{2+2} + 2) \times (22^2 + 2)) \\
&:= 3 + (((3 \times 3 + 3) \times 3^{3+3}) - 3/3) \\
&:= (4/4 + 4)^4 \times ((44-4)/4 + 4) \\
&:= 5 \times (5^5 - 5 \times 5 \times 55) \\
&:= (6+6)/6 + ((6+6) \times ((6 \times 6/(6+6))^6)) \\
&:= (77-7) \times (777/7 + 7 + 7) \\
&:= (8-88)/8 + (8888 - 8 \times (8+8)) \\
&:= (9+9)/9 + 9 \times 9 \times (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8751 &:= 1 + (1 + (1 + ((1+11) \times (11-1-1)^{1+1+1}))) \\
&:= 2 + (((2^{2+2} + 2) \times (22^2 + 2)) + 2/2) \\
&:= 3 + ((3 \times 3 + 3) \times 3^{3+3}) \\
&:= (4 \times ((44 \times 44 - 4) + 4^4)) - 4/4 \\
&:= 5/5 + 5 \times (5^5 - 5 \times 5 \times 55) \\
&:= 6 + (((66/6) \times (((6 \times 6/(6+6))^6) + 66)) \\
&:= 7/7 + ((77-7) \times (777/7 + 7 + 7)) \\
&:= 8888 - ((8 \times (8+8) + 8/8) + 8) \\
&:= ((9+9+9)/9) + 9 \times 9 \times (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8752 &:= 1 + (1 + (1 + (1 + ((1+11) \times (11-1-1)^{1+1+1})))) \\
&:= (22 \times ((22-2)^2 - 2)) - 2 - 2 \\
&:= 3 + (((3 \times 3 + 3) \times 3^{3+3}) + 3/3) \\
&:= 4 \times ((44 \times 44 - 4) + 4^4) \\
&:= (5+5)/5 + 5 \times (5^5 - 5 \times 5 \times 55) \\
&:= 6 + (((6+6) \times ((6 \times 6/(6+6))^6)) - ((6+6)/6)) \\
&:= 7 + (77/7 \times ((77/7 + 777) + 7)) \\
&:= 8888 - (8 \times (8+8) + 8) \\
&:= 9 \times 9 \times (99+9) + ((9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8753 &:= ((1+1)^{1+1+1+1}) + ((11+1111)/(1+1)) \\
&:= (22 \times ((22-2)^2 - 2)) - 2/2 - 2 \\
&:= 3 + (((3 \times 3 + 3) \times 3^{3+3}) - 3/3) + 3 \\
&:= 4/4 + (4 \times ((44 \times 44 - 4) + 4^4)) \\
&:= 5 + ((55/5 + 5 \times 5) \times ((5 - (5+5)/5)^5)) \\
&:= 6 + (((6+6) \times ((6 \times 6/(6+6))^6)) - 6/6) \\
&:= 7 \times 7 + (((7+7)/7)^7 \times (77 - ((7+7)/7 + 7))) \\
&:= 8/8 + (8888 - (8 \times (8+8) + 8)) \\
&:= 9 \times 9 \times (99+9) + ((9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8754 &:= (1+1) \times ((11 \times ((1+1) \times (11-1))^{1+1} - (1+1))) \\
&:= (22 \times ((22-2)^2 - 2)) - 2 \\
&:= 3 + (((3 \times 3 + 3) \times 3^{3+3}) + 3) \\
&:= 4 + ((4/4 + 4)^4 \times ((44-4)/4 + 4)) \\
&:= 5 + (5 \times (5^5 - 5 \times 5 \times 55) - 5/5) \\
&:= 6 + ((6+6) \times ((6 \times 6/(6+6))^6)) \\
&:= 7 + (((77+7) \times (777/7 - 7)) + (77/7)) \\
&:= (8+8)/8 + (8888 - (8 \times (8+8) + 8)) \\
&:= 9 + (9 \times 9 \times (99+9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8755 &:= ((1+1) \times (11 \times (((1+1) \times (11-1))^{1+1} - (1+1)))) \\
&:= (22 \times ((22-2)^2 - 2)) - 2/2 \\
&:= 3 + (((3 \times 3 + 3) \times 3^{3+3}) + 3/3) + 3 \\
&:= 4 + ((4 \times ((44 \times 44 - 4) + 4^4)) - 4/4) \\
&:= 5 + 5 \times (5^5 - 5 \times 5 \times 55) \\
&:= 6 + (((6+6) \times ((6 \times 6/(6+6))^6)) + 6/6) \\
&:= 7 + ((77/7 - 7) \times ((7+7+7)/7)^7) \\
&:= 8888 + ((8/8 - 8) \times (88/8 + 8)) \\
&:= 9 + (9 \times 9 \times (99+9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8756 &:= (1+1) \times (11 \times (((1+1) \times (11-1))^{1+1} - (1+1))) \\
&:= 22 \times ((22-2)^2 - 2) \\
&:= 3 \times 3 + (((3 \times 3 + 3) \times 3^{3+3}) - 3/3) \\
&:= 4 + (4 \times ((44 \times 44 - 4) + 4^4)) \\
&:= 5 + (5 \times (5^5 - 5 \times 5 \times 55) + 5/5) \\
&:= 6 + (((6+6) \times ((6 \times 6/(6+6))^6)) + ((6+6)/6)) \\
&:= 7 \times (7+7) + ((7/7 + 77) \times 777/7) \\
&:= 8888 - ((88/((8+8)/8)) + 88) \\
&:= 9 + (9 \times 9 \times (99+9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8757 &:= 1 + ((1+1) \times (11 \times (((1+1) \times (11-1))^{1+1} - (1+1)))) \\
&:= 2/2 + (22 \times ((22-2)^2 - 2)) \\
&:= 3 \times ((3 \times (3^3 \times (33+3))) + 3) \\
&:= (4 \times (44 \times 44 + 4^4)) - 44/4 \\
&:= ((5+5)/5 + 5) \times ((5^5 + 5^5 + 5)/5) \\
&:= 6 + (((66/6) \times (((6 \times 6/(6+6))^6) + 66)) + 6) \\
&:= 7777 + (7+7) \times (77-7) \\
&:= (8 \times 8 - 8/8) \times (8 \times (8+8) + (88/8)) \\
&:= 9 + 9 \times 9 \times (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8758 &:= 11 + (((1+11) \times (11-1-1)^{1+1+1}) - 1) \\
&:= 2 + (22 \times ((22-2)^2 - 2)) \\
&:= 3 \times 3 + (((3 \times 3 + 3) \times 3^{3+3}) + 3/3) \\
&:= 4 + (((4/4 + 4)^4 \times ((44-4)/4 + 4)) + 4) \\
&:= (((5+5)/5)^5 \times (5 \times 55 - 5/5)) - 5 - 5 \\
&:= ((66-6)/6) + ((6+6) \times ((6 \times 6/(6+6))^6)) \\
&:= 7/7 + ((7+7) \times (77-7) + 7777) \\
&:= 8888 - (8 \times (8+8) + ((8+8)/8)) \\
&:= 9 + (9 \times 9 \times (99+9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8759 &:= 11 + ((1+11) \times (11-1-1)^{1+1+1}) \\
&:= 2 + ((22 \times ((22-2)^2 - 2)) + 2/2) \\
&:= 33/3 + ((3 \times 3 + 3) \times 3^{3+3}) \\
&:= 44/4 + (4 \times ((4-4/4)^{4+4-4/4})) \\
&:= 5^5 + ((5-5/5+5) \times (5^5 + 5)/5) \\
&:= 66/6 + ((6+6) \times ((6 \times 6/(6+6))^6)) \\
&:= (7 \times (7-7 \times 7 \times 7)) + 77777/7 \\
&:= 8888 - (8 \times (8+8) + 8/8) \\
&:= 99/9 + 9 \times 9 \times (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8760 &:= (1+11) \times (1 + ((11-1-1)^{1+1+1})) \\
&:= 2 + ((22 \times ((22-2)^2 - 2)) + 2) \\
&:= (3/3 + 3) \times (3 \times 3^{3+3} + 3) \\
&:= (4+4) \times (4444/4 - 4 \times 4) \\
&:= 5 + (5 \times (5^5 - 5 \times 5 \times 55) + 5) \\
&:= 6 + (((6+6) \times ((6 \times 6/(6+6))^6)) + 6) \\
&:= (77/7 + 7 \times 7) \times (7 \times (7+7+7) - 7/7) \\
&:= 8888 - 8 \times (8+8) \\
&:= (99+9)/9 + 9 \times 9 \times (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8761 &:= 1 + ((1+11) \times (1 + ((11-1-1)^{1+1+1}))) \\
&:= 2 + (((22 \times ((22-2)^2 - 2)) + 2/2) + 2) \\
&:= 3/3 + ((3/3 + 3) \times (3 \times 3^{3+3} + 3)) \\
&:= 4 + ((4 \times (44 \times 44 + 4^4)) - 44/4) \\
&:= 55/5 + 5 \times (5^5 - 5 \times 5 \times 55) \\
&:= 6 + (((6+6) \times ((6 \times 6/(6+6))^6)) + 6/6) + 6 \\
&:= 7 \times 7 + ((7/7 + 7) \times (77 \times (7+7) + (77/7))) \\
&:= 8/8 + (8888 - 8 \times (8+8)) \\
&:= 9 \times 9 \times (99+9) + ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8762 &:= 1 + (1 + ((1+11) \times (1 + ((11-1-1)^{1+1+1})))) \\
&:= 2 + (((22 \times ((22-2)^2 - 2)) + 2) + 2) \\
&:= 3 + (((3 \times 3 + 3) \times 3^{3+3}) + 33/3) \\
&:= (4+4)/4 \times (((4-4^4)/4) + 4444) \\
&:= 5 + (((5+5)/5 + 5) \times ((5^5 + 5^5 + 5)/5)) \\
&:= (6/6 + 6 + 6) \times ((666 + (6+6)/6) + 6) \\
&:= (777/7 \times ((7+7)/7 + 77)) - 7 \\
&:= (8+8)/8 + (8888 - 8 \times (8+8)) \\
&:= 9 + (9 \times 9 \times (99+9) + ((9 \times 9 + 9)/(9+9)))
\end{aligned}$$

- **8763** := $1 + (1 + (1 + ((1 + 11) \times (1 + (11 - 1 - 1)^{1+1+1}))))$
:= $(2 \times ((2 \times 2222) - 2)) - (22/2)^2$
:= $3 + ((3/3 + 3) \times (3 \times 3^{3+3} + 3))$
:= $(4 \times (44 \times 44 + 4^4)) - 4/4 - 4$
:= $((5 + 5)/5)^5 \times (5 \times 55 - 5/5) - 5$
:= $(666/6 \times (66 + 6/6 + 6 + 6)) - 6$
:= $(77 - (7/7 + 7)) \times (7/7 + 77 + 7 \times 7)$
:= $88/8 + (8888 - (8 \times (8 + 8) + 8))$
:= $9 + ((9 \times 9 \times (99 + 9) - ((9 + 9 + 9)/9)) + 9)$
- **8764** := $(1 + 1) \times ((1 + 1) \times ((1 + 1)^{11} + (11 \times (1 + 1 + 11))))$
:= $2 \times (2 + 2) + (22 \times ((22 - 2)^2 - 2))$
:= $(3/3 + 3) \times ((3 \times 3^{3+3} + 3/3) + 3)$
:= $(4 \times (44 \times 44 + 4^4)) - 4$
:= $(5^5 + 5)/5 \times ((5 - 5/5 + 5) + 5)$
:= $6 + (((6 + 6) \times ((6 \times 6/(6 + 6))^6)) + ((66 - 6)/6))$
:= $(7 \times ((7 + 7) \times (77 + 7) + 77)) - 7$
:= $8888 + (8 \times 8/(8 + 8) - 8 \times (8 + 8))$
:= $9 + ((9 \times 9 \times (99 + 9) - ((9 + 9)/9)) + 9)$
- **8765** := $(11 \times 1111) - ((1 + 1) \times ((1 + 11)^{1+1+1}))$
:= $22/2 + ((22 \times ((22 - 2)^2 - 2)) - 2)$
:= $3 + (((3 \times 3 + 3) \times 3^{3+3}) + 33/3 + 3)$
:= $4/4 + ((4 \times (44 \times 44 + 4^4)) - 4)$
:= $5 + ((5 \times (5^5 - 5 \times 5 \times 55) + 5) + 5)$
:= $6 + (((6 + 6) \times ((6 \times 6/(6 + 6))^6)) + (66/6))$
:= $7/7 + ((7 \times ((7 + 7) \times (77 + 7) + 77)) - 7)$
:= $8 + ((8 \times 8 - 8/8) \times (8 \times (8 + 8) + (88/8)))$
:= $9 + ((9 \times 9 \times (99 + 9) - 9/9) + 9)$
- **8766** := $(1 + 1) \times (((1 + 1) \times ((1 + 1 + 11)^{1+1+1})) - 11)$
:= $(22 + 2)^2 + ((2^{22/2+2}) - 2)$
:= $3 \times (((3 \times (3^3 \times (33 + 3))) + 3) + 3)$
:= $(4 \times (44 \times 44 + 4^4)) - (4 + 4)/4$
:= $5 + (5 \times (5^5 - 5 \times 5 \times 55) + (55/5))$
:= $6 + (((6 + 6) \times ((6 \times 6/(6 + 6))^6)) + 6) + 6$
:= $7 + (7777/7 + (7 \times (7 - 7 \times 7 \times 7)))$
:= $8888 - ((888 + 88)/8)$
:= $9 + (9 \times 9 \times (99 + 9) + 9)$
- **8767** := $11 \times (((11 \times (1 + (1 + 11)^{1+1})) - 1)/(1 + 1))$
:= $22/2 + (22 \times ((22 - 2)^2 - 2))$
:= $3 + ((3/3 + 3) \times ((3 \times 3^{3+3} + 3/3) + 3))$
:= $(4 \times (44 \times 44 + 4^4)) - 4/4$
:= $((5 + 5)/5)^5 \times (5 \times 55 - 5/5) - 5/5$
:= $66/6 \times ((66 \times (6 + 6) - 6/6) + 6)$
:= $77/7 \times (((777 - 7/7) + 7) + 7) + 7$
:= $(8 \times ((8 \times (8 \times (8 + 8) + 8) + 8)) - 8/8)$
:= $9 + ((9 \times 9 \times (99 + 9) + 9/9) + 9)$
- **8768** := $(111 \times ((11 - 1 - 1)^{1+1} - (1 + 1))) - 1$
:= $((22 + 2)^2) + (2^{22/2+2})$
:= $3 \times 3 + (((3 \times 3 + 3) \times 3^{3+3}) + 33/3)$
:= $4 \times (44 \times 44 + 4^4)$
:= $((5 + 5)/5)^5 \times (5 \times 55 - 5/5)$
:= $((6 + 6)/6)^6 \times ((66 - 6/6 + 66) + 6)$
:= $(7/7 + 7) \times ((77 \times (7 + 7) + (77/7)) + 7)$
:= $8 \times ((8 \times (8 \times (8 + 8) + 8)) + 8)$
:= $9 + (9 \times 9 \times (99 + 9) + (99/9))$
- **8769** := $111 \times ((11 - 1 - 1)^{1+1} - (1 + 1))$
:= $222/2 \times ((2/2 + 2)^{2+2} - 2)$
:= $3 + (((3 \times 3 + 3) \times 3^{3+3}) + (3 \times (3 + 3)))$
:= $4/4 + (4 \times (44 \times 44 + 4^4))$
:= $5 + ((5^5 + 5)/5 \times ((5 - 5/5 + 5) + 5))$
:= $666/6 \times (66 + 6/6 + 6 + 6)$
:= $777/7 \times ((7 + 7)/7 + 77)$
:= $8/8 + (8 \times ((8 \times (8 \times (8 + 8) + 8) + 8)))$
:= $999/9 \times (9 \times 9 - ((9 + 9)/9))$
- **8770** := $1 + (111 \times ((11 - 1 - 1)^{1+1} - (1 + 1)))$
:= $2 + ((2^{22/2+2}) + ((22 + 2)^2))$
:= $33 + (((3 \times 3 + 3) \times 3^{3+3}) - 33/3)$
:= $(4 + 4)/4 + (4 \times (44 \times 44 + 4^4))$
:= $(5 \times ((5^5 - 5 \times 5 \times 55) + 5)) - 5$
:= $((6 + 6)/6)^6 + (66 \times (66 + 66) - 6)$
:= $(7 \times ((7 + 7) \times (77 + 7) + 77)) - 7/7$
:= $(8 + 8)/8 + (8 \times ((8 \times (8 \times (8 + 8) + 8) + 8)))$
:= $((99 + 99)/9) + 9 \times 9 \times (99 + 9)$
- **8771** := $1 + (1 + (111 \times ((11 - 1 - 1)^{1+1} - (1 + 1))))$
:= $2 + (222/2 \times ((2/2 + 2)^{2+2} - 2))$
:= $3^3 + ((3/3 + 3) \times (3 \times 3^{3+3} - 3/3))$
:= $4 + ((4 \times (44 \times 44 + 4^4)) - 4/4)$
:= $5/5 + ((5 \times ((5^5 - 5 \times 5 \times 55) + 5)) - 5)$
:= $66 + (66 \times (66 + 66) - (6/6 + 6))$
:= $7 \times ((7 + 7) \times (77 + 7) + 77)$
:= $88/8 + (8888 - 8 \times (8 + 8))$
:= $9 \times 9 + (99 \times 99 - 9999/9)$
- **8772** := $(1 + 11) \times (1 + (1 + (11 - 1 - 1)^{1+1+1}))$
:= $2 \times (2 \times ((2 \times (22 + 2))^2) - 222)$
:= $3^3 + (((3 \times 3 + 3) \times 3^{3+3}) - 3/3)$
:= $4 + (4 \times (44 \times 44 + 4^4))$
:= $((55 + 5)/5) \times ((555 + 5^5)/5 - 5)$
:= $66 + (66 \times (66 + 66) - 6)$
:= $7/7 + (7 \times ((7 + 7) \times (77 + 7) + 77))$
:= $((88 + 8)/8) + (8888 - 8 \times (8 + 8))$
:= $(99 + 9)/9 \times (9 \times 9 \times 9 + ((9 + 9)/9))$
- **8773** := $1 + ((1 + 11) \times (1 + (1 + (11 - 1 - 1)^{1+1+1})))$
:= $(2 \times ((2 \times 2222) - 2)) - 222/2$
:= $((3 \times 3 + 3) \times (3^{3+3} + 3)) - 33/3$
:= $4 + ((4 \times (44 \times 44 + 4^4)) + 4/4)$
:= $5 + (((5 + 5)/5)^5 \times (5 \times 55 - 5/5))$
:= $(6 + 6) \times (666 + 66) - 66/6$
:= $(7 + 7)/7 + (7 \times ((7 + 7) \times (77 + 7) + 77))$
:= $8888 - (((88/8 + 88) + 8) + 8)$
:= $9 + (((9 \times 9 \times (99 + 9) - ((9 + 9)/9)) + 9) + 9)$
- **8774** := $1 + (1 + ((1 + 11) \times (1 + (1 + (11 - 1 - 1)^{1+1+1}))))$
:= $22 \times (22 - 2)^2 - 22 - 2 - 2$
:= $3^3 + (((3 \times 3 + 3) \times 3^{3+3}) - 3/3)$
:= $4 + ((4 \times (44 \times 44 + 4^4)) + (4 + 4)/4)$
:= $(5 \times ((5^5 - 5 \times 5 \times 55) + 5)) - 5/5$
:= $(6 - 66)/6 + (6 + 6) \times (666 + 66)$
:= $7 + (77/7 \times (((777 - 7/7) + 7) + 7) + 7)$
:= $8 + (8888 - ((888 + 88)/8))$
:= $(9/9 + 9 \times 9) \times ((99 - 9/9) + 9)$
- **8775** := $(1 + 1 + 11) \times (((1 + 1) \times (1 + 1 + 11))^{1+1} - 1)$
:= $(22/2 + 2) \times ((22 + 2 + 2)^2 - 2/2)$
:= $3 \times (3 \times ((3^3 \times (33 + 3)) + 3))$
:= $4 + (((4 \times (44 \times 44 + 4^4)) - 4/4) + 4)$
:= $5 \times ((5^5 - 5 \times 5 \times 55) + 5)$
:= $6 + (666/6 \times (66 + 6/6 + 6 + 6))$
:= $(7 - 7/7 + 7) \times ((7 \times 7 \times (7 + 7)) - (77/7))$
:= $8 + ((8 \times ((8 \times (8 \times (8 + 8) + 8) + 8)) - 8/8))$
:= $9 + ((9 \times 9 \times (99 + 9) + 9) + 9)$
- **8776** := $(1 + 1) \times ((11 \times (((1 + 1) \times (11 - 1))^{1+1} - 1)) - 1)$
:= $22 \times (22 - 2)^2 - 22 - 2$
:= $3^3 + (((3 \times 3 + 3) \times 3^{3+3}) + 3/3)$
:= $4 + ((4 \times (44 \times 44 + 4^4)) + 4)$
:= $5/5 + (5 \times ((5^5 - 5 \times 5 \times 55) + 5))$
:= $((6 + 6)/6)^6 + 66 \times (66 + 66)$
:= $7 + (777/7 \times ((7 + 7)/7 + 77))$
:= $8 + (8 \times ((8 \times (8 \times (8 + 8) + 8) + 8)))$
:= $9 + (((9 \times 9 \times (99 + 9) + 9/9) + 9) + 9)$
- **8777** := $(1111 \times (1 + 1)^{1+1+1}) - 111$
:= $22 \times (22 - 2)^2 - 22 - 2/2$
:= $3 + (((3 \times 3 + 3) \times 3^{3+3}) - 3/3 + 3^3)$
:= $4 + (((4 \times (44 \times 44 + 4^4)) + 4/4) + 4)$
:= $(5 + 5)/5 + (5 \times ((5^5 - 5 \times 5 \times 55) + 5))$
:= $66 + (66 \times (66 + 66) - 6/6)$
:= $(77 \times (((7 + 7)/7)^7 - (7 + 7))) - 7/7$
:= $8888 - 888/8$
:= $9 + ((9 \times 9 \times (99 + 9) + (99/9)) + 9)$

$$\begin{aligned}
\blacktriangleright 8778 &:= (1+1) \times (11 \times (((1+1) \times (11-1))^{1+1} - 1)) \\
&:= 22 \times ((22-2)^2 - 2/2) \\
&:= 3 + (((3 \times 3 + 3) \times 3^{3+3}) + 3^3) \\
&:= (44-4)/4 + (4 \times (44 \times 44 + 4^4)) \\
&:= ((5-5/5+5) + 5) \times (5^5 + 5 + 5)/5 \\
&:= 66 + 66 \times (66+66) \\
&:= 77 \times (((7+7)/7)^7 - (7+7)) \\
&:= 8888 + ((8-888)/8) \\
&:= 9 + (999/9 \times (9 \times 9 - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8779 &:= ((11-1)^{1+1+1+1}) - 11 \times 111 \\
&:= 2/2 + (22 \times ((22-2)^2 - 2/2)) \\
&:= 3 + (((3 \times 3 + 3) \times 3^{3+3}) + 3^3) + 3/3 \\
&:= 44/4 + (4 \times (44 \times 44 + 4^4)) \\
&:= 5 + ((5 \times ((5^5 - 5 \times 5 \times 55) + 5)) - 5/5) \\
&:= 66 + (66 \times (66+66) + 6/6) \\
&:= 7/7 + (77 \times (((7+7)/7)^7 - (7+7))) \\
&:= 88/8 + (8 \times ((8 \times (8 \times (8+8) + 8) + 8))) \\
&:= 9 + (((99+99)/9) + 9 \times 9 \times (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8780 &:= 1 + (((11-1)^{1+1+1+1}) - 11 \times 111) \\
&:= 2 + (22 \times ((22-2)^2 - 2/2)) \\
&:= 33 + (((3 \times 3 + 3) \times 3^{3+3}) - 3/3) \\
&:= (4/4 + 4) \times (4 \times (444 - 4) - 4) \\
&:= 5 + (5 \times ((5^5 - 5 \times 5 \times 55) + 5)) \\
&:= 66 + (66 \times (66+66) + ((6+6)/6)) \\
&:= (7+7)/7 + (77 \times (((7+7)/7)^7 - (7+7))) \\
&:= ((88+8)/8) + (8 \times ((8 \times (8 \times (8+8) + 8) + 8))) \\
&:= (9/9+9) \times (9 \times 99 - ((99+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8781 &:= 1 + (1 + (((11-1)^{1+1+1+1}) - 11 \times 111)) \\
&:= 2 + ((22 \times ((22-2)^2 - 2/2)) + 2/2) \\
&:= 33 + ((3 \times 3 + 3) \times 3^{3+3}) \\
&:= 4/4 + ((4/4 + 4) \times (4 \times (444 - 4) - 4)) \\
&:= 5 + ((5 \times ((5^5 - 5 \times 5 \times 55) + 5)) + 5/5) \\
&:= (6+6) \times (666+66) - 6 \times 6/(6+6) \\
&:= 77 + (((7+7)/7)^7 \times (77 - ((7+7)/7 + 7))) \\
&:= 8888 - ((88/8+88) + 8) \\
&:= 9 \times 999 - (999/9+99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8782 &:= (1+1) \times (((1+1) \times (((1+1+11)^{1+1+1}) - 1)) - 1) \\
&:= 2 + ((22 \times ((22-2)^2 - 2/2)) + 2) \\
&:= 3/3 + (((3 \times 3 + 3) \times 3^{3+3}) + 33) \\
&:= (4 \times ((44 \times 44 + 4^4) + 4)) - (4+4)/4 \\
&:= ((5+5)/5)^5 + 5 \times (5^5 - 5 \times 5 \times 55) \\
&:= (6+6) \times (666+66) - (6+6)/6 \\
&:= 77/7 + (7 \times ((7+7) \times (77+7) + 77)) \\
&:= (8-88)/8 + (8888 - (88+8)) \\
&:= 9 \times 999 + (((9-999)/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8783 &:= ((1+1) \times ((1+1) \times (((1+1+11)^{1+1+1}) - 1))) - 1 \\
&:= 2222 + (2/2 + 2)^{2 \times (2+2)} \\
&:= ((3 \times 3 + 3) \times (3^{3+3} + 3)) - 3/3 \\
&:= (4 \times ((44 \times 44 + 4^4) + 4)) - 4/4 \\
&:= 5 + (((5-5/5+5) + 5) \times (5^5 + 5 + 5)/5) \\
&:= (6+6) \times (666+66) - 6/6 \\
&:= 7 + ((777/7 \times ((7+7)/7 + 77)) + 7) \\
&:= 8888 - (((8/8+88) + 8) + 8) \\
&:= 9 + ((9/9+9 \times 9) \times ((99-9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8784 &:= (1+1) \times ((1+1) \times (((1+1+11)^{1+1+1}) - 1)) \\
&:= (2^{2+2} + 2) \times (22^2 + 2 + 2) \\
&:= (3 \times 3 + 3) \times (3^{3+3} + 3) \\
&:= 4 \times ((44 \times 44 + 4^4) + 4) \\
&:= (55/5 + 5) \times (555 - (5/5 + 5)) \\
&:= (6+6) \times (666+66) \\
&:= 7 + ((77 \times (((7+7)/7)^7 - (7+7))) - 7/7) \\
&:= (8/8+8) \times (888+88) \\
&:= (9-9/9) \times (999+99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8785 &:= 1 + ((1+1) \times ((1+1) \times (((1+1+11)^{1+1+1}) - 1))) \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} + 2222) \\
&:= 3/3 + (((3 \times 3 + 3) \times (3^{3+3} + 3)) \\
&:= 4/4 + (4 \times ((44 \times 44 + 4^4) + 4)) \\
&:= 5 + ((5 \times ((5^5 - 5 \times 5 \times 55) + 5)) + 5) \\
&:= 6/6 + (6+6) \times (666+66) \\
&:= 7 + (77 \times (((7+7)/7)^7 - (7+7))) \\
&:= 8 + (8888 - 888/8) \\
&:= 9/9 + ((9-9/9) \times (999+99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8786 &:= (1+1) \times (((1+1) \times ((1+1+11)^{1+1+1}) - 1)) \\
&:= 2 + ((2^{2+2} + 2) \times (22^2 + 2 + 2)) \\
&:= 3 + (((3 \times 3 + 3) \times (3^{3+3} + 3)) - 3/3) \\
&:= (4+4)/4 + (4 \times ((44 \times 44 + 4^4) + 4)) \\
&:= 5^5 + (((5+5) \times 555) + 555/5) \\
&:= (6+6)/6 + (6+6) \times (666+66) \\
&:= 7 + ((77 \times (((7+7)/7)^7 - (7+7))) + 7/7) \\
&:= 8 + (((8-888)/8) + 8888) \\
&:= 9 + (((9 \times 9 \times (99+9) + (99/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8787 &:= ((1+1) \times ((1+1) \times ((1+1+11)^{1+1+1}))) - 1 \\
&:= 22 \times (22-2)^2 - (22/2+2) \\
&:= 3 + ((3 \times 3 + 3) \times (3^{3+3} + 3)) \\
&:= 4 + ((4 \times ((44 \times 44 + 4^4) + 4)) - 4/4) \\
&:= 5 + (5 \times (5^5 - 5 \times 5 \times 55) + ((5+5)/5)^5) \\
&:= (6 \times 6/(6+6)) + (6+6) \times (666+66) \\
&:= 7 + ((77 \times (((7+7)/7)^7 - (7+7))) + ((7+7)/7)) \\
&:= 8888 - (8888/88) \\
&:= 9 + ((999/9 \times (9 \times 9 - ((9+9)/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8788 &:= (1+1) \times ((1+1) \times ((1+1+11)^{1+1+1})) \\
&:= 2 \times (2 \times ((22/2 + 2)^{2/2+2})) \\
&:= (3/3+3) \times (((3 \times 3 + 3/3) + 3)^3) \\
&:= 4 + (4 \times ((44 \times 44 + 4^4) + 4)) \\
&:= (5 \times 5 + 5/5) \times ((5^5 + 5)/(5+5) + 5 \times 5) \\
&:= 6 + ((6+6) \times (666+66) - ((6+6)/6)) \\
&:= ((77-7)/7) + (77 \times (((7+7)/7)^7 - (7+7))) \\
&:= 8888 + ((88-888)/8) \\
&:= 9 \times 9 \times (99+9) + ((9 \times 9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8789 &:= 1 + ((1+1) \times ((1+1) \times ((1+1+11)^{1+1+1}))) \\
&:= 22 \times (22-2)^2 - 22/2 \\
&:= 3 + (((3 \times 3 + 3) \times (3^{3+3} + 3)) - 3/3) + 3 \\
&:= ((4 \times 4 + 4) \times (444 - 4)) - 44/4 \\
&:= (5 \times (55 \times ((5+5)/5)^5)) - 55/5 \\
&:= 6 + ((6+6) \times (666+66) - 6/6) \\
&:= 77/7 + (77 \times (((7+7)/7)^7 - (7+7))) \\
&:= 8888 - (88/8+88) \\
&:= 99/9 \times (9 \times (9 \times 9 + 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8790 &:= (1+1) \times (1 + ((1+1) \times ((1+1+11)^{1+1+1}))) \\
&:= 2 + (2 \times (2 \times ((22/2 + 2)^{2/2+2}))) \\
&:= 3 + (((3 \times 3 + 3) \times (3^{3+3} + 3)) + 3) \\
&:= (4/4 + 4) \times (4 \times (444 - 4) - (4+4)/4) \\
&:= (5 \times (55 \times ((5+5)/5)^5)) - 5 - 5 \\
&:= 6 + (6+6) \times (666+66) \\
&:= (7/7 + 7 + 7) \times (7 \times (77+7) - ((7+7)/7)) \\
&:= (8-88)/8 + (8888 - 88) \\
&:= (9/9+9) \times (9 \times 99 - (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8791 &:= 1 + ((1+1) \times (1 + ((1+1) \times ((1+1+11)^{1+1+1})))) \\
&:= 2 + (22 \times (22-2)^2 - 22/2) \\
&:= 3 + ((3/3+3) \times (((3 \times 3 + 3/3) + 3)^3)) \\
&:= ((4 \times 4 + 4) \times (444 - 4)) - (4/4 + 4 + 4) \\
&:= 5^5 + (5555 + 555/5) \\
&:= 6 + ((6+6) \times (666+66) + 6/6) \\
&:= 7 + (((77 \times (((7+7)/7)^7 - (7+7))) - 7/7) + 7) \\
&:= 8888 - ((8/8+88) + 8) \\
&:= 99 \times 99 - (99/9+999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8792 &:= (1+1) \times ((1+1) \times (1 + ((1+1+11)^{1+1+1}))) \\
&:= 2 \times (2 \times (2222 - (22+2))) \\
&:= (3/3+3) \times (3 \times 3^{3+3} + 33/3) \\
&:= ((4 \times 4 + 4) \times (444 - 4)) - 4 - 4 \\
&:= 5^5 + ((555+5)/5 + 5555) \\
&:= 6 + ((6+6) \times (666+66) + ((6+6)/6)) \\
&:= 7 + ((77 \times (((7+7)/7)^7 - (7+7))) + 7) \\
&:= 8888 - (88+8) \\
&:= (9-9/9) \times (((99 \times 99 + 9)/9) + 9)
\end{aligned}$$

- ▶ 8793 := $1 + ((1 + 1) \times ((1 + 1) \times (1 + ((1 + 1 + 11)^{1+1+1}))))$
:= $2 + ((22 \times (22 - 2)^2 - 22/2) + 2)$
:= $3 \times (((3/3 + 3) \times (3^{3+3} + 3)) + 3)$
:= $4 + (((4 \times 4 + 4) \times (444 - 4)) - 44/4)$
:= $5 \times 5 + (((5 + 5)/5)^5 \times (5 \times 55 - 5/5))$
:= $((6 \times 6/(6 + 6))^6) + (6 + 6) \times (666 + 6)$
:= $((7/7 + 7) \times ((7777 - 77)/7)) - 7$
:= $8/8 + (8888 - (88 + 8))$
:= $9 \times 999 - (99 + 99)$
- ▶ 8798 := $(1 + 1) \times ((11 \times ((1 + 1) \times (11 - 1))^{1+1}) - 1)$
:= $22 \times (22 - 2)^2 - 2$
:= $3 + (((3 \times 3 + 3) \times (3^{3+3} + 3)) + 33/3)$
:= $((4 \times 4 + 4) \times (444 - 4)) - (4 + 4)/4$
:= $(5 \times (55 \times ((5 + 5)/5)^5)) - (5 + 5)/5$
:= $6 + (((6 + 6) \times (666 + 66) + ((6 + 6)/6)) + 6)$
:= $(77 - 7/7 + 7) \times ((7 \times (7 + 7) + 7/7) + 7)$
:= $8888 - ((8 + 8)/8 + 88)$
:= $(9 \times (999 - 9)) - ((999 + 9)/9)$
- ▶ 8803 := $1 + ((1 + 1) \times (1 + (11 \times ((1 + 1) \times (11 - 1))^{1+1})))$
:= $2 + (22 \times (22 - 2)^2 + 2/2)$
:= $3 + ((3/3 + 3) \times (((3 \times 3 + 3/3) + 3)^3) + 3)$
:= $4 + (((4 \times 4 + 4) \times (444 - 4)) - 4/4)$
:= $5 + ((5 \times (55 \times ((5 + 5)/5)^5)) - ((5 + 5)/5))$
:= $((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) - (66/6 + 6)$
:= $((7/7 + 7) \times (7777 - 7)/7) - 77$
:= $88/8 + (8888 - (88 + 8))$
:= $9/9 + (99 \times 99 - 999)$
- ▶ 8794 := $(1 + 1) \times (1 + ((1 + 1) \times (1 + ((1 + 1 + 11)^{1+1+1})))$
:= $22 \times (22 - 2)^2 - 2 - 2 - 2$
:= $(3 \times (3 \times 3 + 3 + 3)^3) - (33/3)^3$
:= $44 + ((4/4 + 4)^4 \times ((44 - 4)/4 + 4))$
:= $(5 \times (55 \times ((5 + 5)/5)^5)) - (5/5 + 5)$
:= $((66 - 6)/6) + (6 + 6) \times (666 + 66)$
:= $7 \times 7 + (77/7 \times ((77/7 + 777) + 7))$
:= $(8 + 8)/8 + (8888 - (88 + 8))$
:= $9/9 + (9 \times 999 - (99 + 99))$
- ▶ 8799 := $((1 + 1) \times (11 \times ((1 + 1) \times (11 - 1))^{1+1}) - 1)$
:= $22 \times (22 - 2)^2 - 2/2$
:= $3 + ((3/3 + 3) \times ((3 \times (3^{3+3} + 3)) + 3))$
:= $((4 \times 4 + 4) \times (444 - 4)) - 4/4$
:= $(5 \times (55 \times ((5 + 5)/5)^5)) - 5/5$
:= $6 + ((6 + 6) \times (666 + 6) + ((6 \times 6/(6 + 6))^6))$
:= $77 + ((7 + 7) \times (7 \times 77 + 77 + 7))$
:= $8888 - (8/8 + 88)$
:= $(9 \times (999 - 9)) - 999/9$
- ▶ 8804 := $(1 + 1) \times (1 + (1 + (11 \times ((1 + 1) \times (11 - 1))^{1+1})))$
:= $2 + (22 \times (22 - 2)^2 + 2)$
:= $(3/3 + 3) \times ((3 \times 3^{3+3} + 33/3) + 3)$
:= $4 + ((4 \times 4 + 4) \times (444 - 4))$
:= $5 + ((5 \times (55 \times ((5 + 5)/5)^5)) - 5/5)$
:= $(6 - 66)/6 + (((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) - 6)$
:= $(77/7 - 7) \times (((7 + 7 + 7)/7)^7 + 7) + 7$
:= $8888 + (8 \times 8/(8 + 8) - 88)$
:= $(9 + 9)/9 + (99 \times 99 - 999)$
- ▶ 8795 := $1 + ((1 + 1) \times (1 + ((1 + 1) \times (1 + ((1 + 1 + 11)^{1+1+1}))))$
:= $22 \times (22 - 2)^2 - 2/2 - 2 - 2$
:= $33/3 + ((3 \times 3 + 3) \times (3^{3+3} + 3))$
:= $(4/4 + 4) \times (4 \times (444 - 4) - 4/4)$
:= $(5 \times (55 \times ((5 + 5)/5)^5)) - 5$
:= $66/6 + (6 + 6) \times (666 + 66)$
:= $((77/7 + 7) \times (7 \times (77 - 7) - 7/7)) - 7$
:= $8 + (8888 - (8888/88))$
:= $(9 + 9)/9 + (9 \times 999 - (99 + 99))$
- ▶ 8800 := $(1 + 1) \times (11 \times ((1 + 1) \times (11 - 1))^{1+1})$
:= $22 \times (22 - 2)^2$
:= $(3/3 + 3) \times (((3 \times 3 + 3/3) + 3)^3) + 3$
:= $(4 \times 4 + 4) \times (444 - 4)$
:= $5 \times (55 \times ((5 + 5)/5)^5)$
:= $66/6 \times ((66 \times (6 + 6) + ((6 + 6)/6)) + 6)$
:= $(7/7 + 7) \times ((7777 - 77)/7)$
:= $8888 - 88$
:= $(9/9 + 9) \times (9 \times 99 - (99/9))$
- ▶ 8805 := $1 + ((1 + 1) \times (1 + (1 + (11 \times ((1 + 1) \times (11 - 1))^{1+1}))))$
:= $2 + ((22 \times (22 - 2)^2 + 2/2) + 2)$
:= $3 + (3 \times (3 \times ((3^3 \times (33 + 3)) + 3) + 3))$
:= $4 + (((4 \times 4 + 4) \times (444 - 4)) + 4/4)$
:= $5 + (5 \times (55 \times ((5 + 5)/5)^5))$
:= $6 \times 6 + (666/6 \times (66 + 6/6 + 6 + 6))$
:= $(7/7 + 7 + 7) \times (7 \times (77 + 7) - 7/7)$
:= $8888 - ((88/8 + 8 \times 8) + 8)$
:= $99 \times 99 + (((9 + 9 + 9)/9) - 999)$
- ▶ 8796 := $(1 + 1) \times ((1 + 1) \times (1 + (1 + ((1 + 1 + 11)^{1+1+1}))))$
:= $22 \times (22 - 2)^2 - 2 - 2$
:= $(3/3 + 3) \times ((3 \times (3^{3+3} + 3)) + 3)$
:= $((4 \times 4 + 4) \times (444 - 4)) - 4$
:= $5/5 + ((5 \times (55 \times ((5 + 5)/5)^5)) - 5)$
:= $6 + ((6 + 6) \times (666 + 66) + 6)$
:= $7 + ((77 \times (((7 + 7)/7)^7 - (7 + 7))) + (77/7))$
:= $8888 - (8 \times 8/(8 + 8) + 88)$
:= $9 + (((999/9 \times (9 \times 9 - ((9 + 9)/9))) + 9) + 9)$
- ▶ 8801 := $1 + ((1 + 1) \times (11 \times ((1 + 1) \times (11 - 1))^{1+1}))$
:= $2/2 + 22 \times (22 - 2)^2$
:= $33 \times 333 - (3 \times 3^{3+3} + 3/3)$
:= $4/4 + ((4 \times 4 + 4) \times (444 - 4))$
:= $5/5 + (5 \times (55 \times ((5 + 5)/5)^5))$
:= $(6/6 + 6 + 6) \times (666 + (66/6))$
:= $7777 + ((7/7 + 7) \times ((7 + 7)/7)^7)$
:= $8/8 + (8888 - 88)$
:= $99 \times 99 - (999 + 9/9)$
- ▶ 8806 := $(1 + 1) \times (1 + (1 + (1 + (11 \times ((1 + 1) \times (11 - 1))^{1+1}))))$
:= $2 + ((22 \times (22 - 2)^2 + 2) + 2)$
:= $(3/3 + 33) \times (((3/3 + 3)^{3/3+3}) + 3)$
:= $((44 - 4)/4 + 4) \times ((4/4 + 4)^4 + 4)$
:= $5 + ((5 \times (55 \times ((5 + 5)/5)^5)) + 5/5)$
:= $(6/6 + 6) \times ((6 \times (6 \times 6 \times 6 - 6)) - ((6 + 6)/6))$
:= $7777 + 7 \times 7 \times (7 + 7 + 7)$
:= $8 + (8888 - ((8 + 8)/8 + 88))$
:= $9 + (((9 \times 99 - 9)/(9 + 9)) + 9 \times 9 \times (99 + 9))$
- ▶ 8797 := $((1 + 1) \times ((11 \times ((1 + 1) \times (11 - 1))^{1+1}) - 1) - 1)$
:= $22 \times (22 - 2)^2 - 2/2 - 2$
:= $3 + ((3 \times (3 \times 3 + 3 + 3)^3) - (33/3)^3)$
:= $4/4 + (((4 \times 4 + 4) \times (444 - 4)) - 4)$
:= $(5 + 5)/5 + ((5 \times (55 \times ((5 + 5)/5)^5)) - 5)$
:= $6 + (((6 + 6) \times (666 + 66) + 6/6) + 6)$
:= $7 \times 7 + ((77/7 - 7) \times ((7 + 7 + 7)/7)^7)$
:= $8 + (8888 - (88/8 + 88))$
:= $9 \times 9 \times (99 + 9) + ((9 \times 99 - 9)/(9 + 9))$
- ▶ 8802 := $(1 + 1) \times (1 + (11 \times ((1 + 1) \times (11 - 1))^{1+1}))$
:= $2 + 22 \times (22 - 2)^2$
:= $3 \times (3 \times ((3^3 \times (33 + 3)) + 3) + 3)$
:= $(4 + 4)/4 + ((4 \times 4 + 4) \times (444 - 4))$
:= $(5 + 5)/5 + (5 \times (55 \times ((5 + 5)/5)^5))$
:= $6 + (((6 + 6) \times (666 + 66) + 6) + 6)$
:= $(77/7 + 7) \times (7 \times (77 - 7) - 7/7)$
:= $(8 + 8)/8 + (8888 - 88)$
:= $99 \times 99 - 999$
- ▶ 8807 := $((1 + 1)^{1+1+1} \times (1 + (1111 - 11))) - 1$
:= $2 + (((22 \times (22 - 2)^2 + 2/2) + 2) + 2)$
:= $(33 \times ((3 \times 3 \times (3^3 + 3)) - 3)) - (3/3 + 3)$
:= $4 + (((4 \times 4 + 4) \times (444 - 4)) - 4/4) + 4$
:= $5 + ((5 \times (55 \times ((5 + 5)/5)^5)) + ((5 + 5)/5))$
:= $6 + ((6/6 + 6 + 6) \times (666 + (66/6)))$
:= $7 + ((7/7 + 7) \times ((7777 - 77)/7))$
:= $8 + (8888 - (8/8 + 88))$
:= $((9 - 9/9) \times 9999/9) - 9 \times 9$

$$\begin{aligned}
\blacktriangleright 8808 &:= (1+1)^{1+1+1} \times (1+(1111-11)) \\
&:= 2 \times (2 \times (2222-22+2)) \\
&:= (33 \times ((3 \times 3 \times (3^3+3)) - 3)) - 3 \\
&:= 4 + (((4 \times 4 + 4) \times (444-4)) + 4) \\
&:= (5 \times 5 - 5/5) \times ((5^5-5)/(5+5) + 55) \\
&:= ((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) - 6 - 6 \\
&:= (7/7 + 7) \times ((7777-77+7)/7) \\
&:= 8 + (8888-88) \\
&:= 9 + (9 \times (999-9)) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8809 &:= 1 + ((1+1)^{1+1+1} \times (1+(1111-11))) \\
&:= 22/2 + (22 \times (22-2)^2 - 2) \\
&:= 3/3 + ((33 \times ((3 \times 3 \times (3^3+3)) - 3)) - 3) - 3 \\
&:= 4 + (((4 \times 4 + 4) \times (444-4)) + 4/4 + 4) \\
&:= 5 + (((5 \times (55 \times ((5+5)/5)^5)) - 5/5) + 5) \\
&:= ((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) - 66/6 \\
&:= ((77-7) \times (77+7 \times 7)) - 77/7 \\
&:= 8 + ((8888-88) + 8/8) \\
&:= 9 + ((9/9+9) \times (9 \times 99 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8810 &:= (1+1) \times (11 + ((1+1) \times ((1+1+11)^{1+1+1}))) \\
&:= 2 + (22 \times (22-2)^2 + 2 \times (2+2)) \\
&:= (33 \times ((3 \times 3 \times (3^3+3)) - 3)) - 3/3 \\
&:= (44-4)/4 \times ((4/4+4)^4 + 4^4) \\
&:= 5 + ((5 \times (55 \times ((5+5)/5)^5)) + 5) \\
&:= (6-66)/6 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= ((7-77)/7) + ((77-7) \times (77+7 \times 7)) \\
&:= 8 + ((8888-88) + ((8+8)/8)) \\
&:= (9/9+9) \times (9 \times 99 - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8811 &:= 11 \times (1 + ((1+1) \times ((1+1) \times (11-1))^{1+1})) \\
&:= 22/2 + 22 \times (22-2)^2 \\
&:= 33 \times ((3 \times 3 \times (3^3+3)) - 3) \\
&:= 44/4 + ((4 \times 4 + 4) \times (444-4)) \\
&:= 55/5 + (5 \times (55 \times ((5+5)/5)^5)) \\
&:= 66/6 \times (((6 \times 6/(6+6))^6 + 66) + 6) \\
&:= ((7/7+7) \times 7777/7) - 77 \\
&:= 88/8 + (8888-88) \\
&:= 99 \times ((9 \times 9 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8812 &:= 1 + (11 \times (1 + ((1+1) \times ((1+1) \times (11-1))^{1+1}))) \\
&:= 2 \times ((2 \times (2222-22+2)) + 2) \\
&:= 3/3 + (33 \times ((3 \times 3 \times (3^3+3)) - 3)) \\
&:= 44 + (4 \times (44 \times 44 + 4^4)) \\
&:= ((55+5)/5) + (5 \times (55 \times ((5+5)/5)^5)) \\
&:= ((6+6)/6)^6 + ((6+6) \times ((6 \times 6/(6+6))^6)) \\
&:= ((77-7) \times (77+7 \times 7)) - (7/7+7) \\
&:= ((88+8)/8) + (8888-88) \\
&:= 9/9 + (99 \times ((9 \times 9 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8813 &:= 1 + (1 + (11 \times (1 + ((1+1) \times ((1+1) \times (11-1))^{1+1})))) \\
&:= 2 + (22 \times (22-2)^2 + 22/2) \\
&:= 3 + ((33 \times ((3 \times 3 \times (3^3+3)) - 3)) - 3/3) \\
&:= (4/4+4)^4 + (4 \times 4^4 \times (4+4)) - 4 \\
&:= 5 + ((5 \times 5 - 5/5) \times ((5^5-5)/(5+5) + 55)) \\
&:= (6/6+6) \times ((6 \times (6 \times 6 \times 6 - 6)) - 6/6) \\
&:= ((77-7) \times (77+7 \times 7)) - 7 \\
&:= 8888 - (88/8 + 8 \times 8) \\
&:= (9+9)/9 + (99 \times ((9 \times 9 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8814 &:= (1+1+111) \times (111 - (11 \times (1+1+1))) \\
&:= (((2 \times (2 \times 22 + 2)) + 2)^2) - 22 \\
&:= 3 + (33 \times ((3 \times 3 \times (3^3+3)) - 3)) \\
&:= 4 + ((44-4)/4 \times ((4/4+4)^4 + 4^4)) \\
&:= (5 \times ((55 \times ((5+5)/5)^5) + 5)) - 55/5 \\
&:= ((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) - 6 \\
&:= 7/7 + (((77-7) \times (77+7 \times 7)) - 7) \\
&:= (8-88)/8 + (8888-8 \times 8) \\
&:= 99 \times 99 + ((99+9)/9 - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8815 &:= 1 + ((1+1+111) \times (111 - (11 \times (1+1+1)))) \\
&:= 2 + ((22 \times (22-2)^2 + 22/2) + 2) \\
&:= 3 + ((33 \times ((3 \times 3 \times (3^3+3)) - 3)) + 3/3) \\
&:= ((4 \times 4 + 4) \times 444) - (4^4 + 4)/4 \\
&:= 5 + (((5 \times (55 \times ((5+5)/5)^5)) + 5) + 5) \\
&:= 6/6 + (((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) - 6) \\
&:= (7+7)/7 + (((77-7) \times (77+7 \times 7)) - 7) \\
&:= 8888 - ((8/8+8 \times 8) + 8) \\
&:= ((9-9/9) \times (9999/9 - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8816 &:= (1+1)^{1+1+1} \times (1 + (1 + (1111-11))) \\
&:= 2^{2+2} + 22 \times (22-2)^2 \\
&:= 33 + (((3 \times 3 + 3) \times (3^{3+3} + 3)) - 3/3) \\
&:= 4 \times (((4/4+4) \times (444-4)) + 4) \\
&:= (55/5+5) \times ((5+5) \times 55 + 5/5) \\
&:= (6+6)/6 + (((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) - 6) \\
&:= 7 + (((77-7) \times (77+7 \times 7)) - (77/7)) \\
&:= 8888 - (8 \times 8 + 8) \\
&:= (9-9/9) \times (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8817 &:= 1 + ((1+1)^{1+1+1} \times (1 + (1 + (1111-11)))) \\
&:= 2/2 + (22 \times (22-2)^2 + 2^{2+2}) \\
&:= 33 + ((3 \times 3 + 3) \times (3^{3+3} + 3)) \\
&:= (4/4+4)^4 + (4 \times 4^4 \times (4+4)) \\
&:= 5^5/5 + ((5+5)/5)^{(55+5+5)/5} \\
&:= 666/6 + (66 \times (66+66) - 6) \\
&:= ((77-7) \times (77+7 \times 7)) - (7+7+7)/7 \\
&:= 8/8 + (8888 - (8 \times 8 + 8)) \\
&:= (9 \times (9 \times (99+9) + 9)) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8818 &:= (1+1) \times (((11-1) \times ((11+(11-1))^{1+1})) - 1) \\
&:= ((22-2) \times ((22-2/2)^2)) - 2 \\
&:= (3^3 \times (333 - (3+3))) - 33/3 \\
&:= 4/4 + ((4 \times 4^4 \times (4+4)) + (4/4+4)^4) \\
&:= 55 + (((5+5)/5)^5 \times (5 \times 55 - 5/5)) - 5 \\
&:= ((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) - (6+6)/6 \\
&:= ((77-7) \times (77+7 \times 7)) - (7+7)/7 \\
&:= (8+8)/8 + (8888 - (8 \times 8 + 8)) \\
&:= (9 \times (9 \times (99+9) + 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8819 &:= ((1+1) \times ((11-1) \times ((11+(11-1))^{1+1}))) - 1 \\
&:= ((22-2) \times ((22-2/2)^2)) - 2/2 \\
&:= ((3 \times 3 + 3) \times ((3^{3+3} + 3) + 3)) - 3/3 \\
&:= 4 + (((4 \times 4 + 4) \times 444) - (4^4 + 4)/4) \\
&:= 55 + ((5^5 + 5)/5 \times ((5-5/5+5) + 5)) \\
&:= ((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) - 6/6 \\
&:= ((77-7) \times (77+7 \times 7)) - 7/7 \\
&:= 8 + ((8888-88) + (88/8)) \\
&:= (9 \times (9 \times (99+9) + 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8820 &:= (1+1) \times ((11-1) \times ((11+(11-1))^{1+1})) \\
&:= (22-2) \times ((22-2/2)^2) \\
&:= (3 \times 3 + 3) \times ((3^{3+3} + 3) + 3) \\
&:= (4/4+4) \times (4 \times (444-4) + 4) \\
&:= 5^5 + ((5^5 - 555) + 5^5) \\
&:= (6 \times 6 + 6) \times (6 \times 6 \times 6 - 6) \\
&:= (77-7) \times (77+7 \times 7) \\
&:= 8888 - (8 \times 8/(8+8) + 8 \times 8) \\
&:= (9-99) \times (9/9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8821 &:= 1 + ((1+1) \times ((11-1) \times ((11+(11-1))^{1+1}))) \\
&:= 22 + (22 \times (22-2)^2 - 2/2) \\
&:= 3/3 + ((3 \times 3 + 3) \times ((3^{3+3} + 3) + 3)) \\
&:= 4 + ((4 \times 4^4 \times (4+4)) + (4/4+4)^4) \\
&:= 5 + ((55/5+5) \times ((5+5) \times 55 + 5/5)) \\
&:= 6/6 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= 7/7 + ((77-7) \times (77+7 \times 7)) \\
&:= 8 + (8888 - (88/8 + 8 \times 8)) \\
&:= 9/9 + ((9-99) \times (9/9 - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8822 &:= (1+1) \times (11 \times (1 + ((1+1) \times (11-1))^{1+1})) \\
&:= 22 + 22 \times (22-2)^2 \\
&:= 3 + (((3 \times 3 + 3) \times ((3^{3+3} + 3) + 3)) - 3/3) \\
&:= 4 + (((4 \times 4^4 \times (4+4)) + (4/4+4)^4) + 4/4) \\
&:= (((5+5)/5)^5 \times (5 \times 55 + 5/5)) - 5 - 5 \\
&:= (6+6)/6 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= (7+7)/7 + ((77-7) \times (77+7 \times 7)) \\
&:= 8888 - (((8+8)/8) + 8 \times 8) \\
&:= (9+9)/9 + ((9-99) \times (9/9 - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8823 &:= 111 + (((11 \times (1 + 11))^{1+1}) / (1 + 1)) \\
&:= 22 + (22 \times (22 - 2)^2 + 2/2) \\
&:= 3 + ((3 \times 3 + 3) \times ((3^{3+3} + 3) + 3)) \\
&:= (4 \times 4 + 4/4) \times (((4 + 4) \times (4^4 + 4) - 4) / 4) \\
&:= 55 + (((5 + 5) / 5)^5 \times (5 \times 55 - 5/5)) \\
&:= 666/6 + 66 \times (66 + 66) \\
&:= (7 + 7 + 7) / 7 + (((77 - 7) \times (77 + 7 \times 7)) \\
&:= 8888 - (8/8 + 8 \times 8) \\
&:= 999/9 + (99 \times (99 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8824 &:= 1 + (111 + (((11 \times (1 + 11))^{1+1}) / (1 + 1))) \\
&:= 2 + (22 \times (22 - 2)^2 + 22) \\
&:= 3 + (((3 \times 3 + 3) \times ((3^{3+3} + 3) + 3)) + 3/3) \\
&:= (4 + 4) \times (4444/4 - (4 + 4)) \\
&:= (5 \times ((55 \times ((5 + 5) / 5)^5) + 5)) - 5/5 \\
&:= 6 + (((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) - ((6 + 6) / 6)) \\
&:= (7/7 + 7) \times ((7777 - 7) / 7 - 7) \\
&:= 8888 - 8 \times 8 \\
&:= (9 - 9/9) \times ((9999 + 9) / 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8825 &:= (1 + (((1 + 1)^{11-1} - 1) / 11))^{1+1} - 11 \\
&:= (((2 \times (2 \times 22 + 2)) + 2)^2) - 22/2 \\
&:= (3^3 \times (333 - (3 + 3))) - (3/3 + 3) \\
&:= (4/4 + 4) \times (4 \times 444 - 44/4) \\
&:= 5 \times ((55 \times ((5 + 5) / 5)^5) + 5) \\
&:= 6 + (((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) - 6/6) \\
&:= ((7/7 + 7) \times (7777/7 - 7)) - 7 \\
&:= 8/8 + (8888 - 8 \times 8) \\
&:= 9 + ((9 - 9/9) \times (9999/9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8826 &:= 1 + (((1 + (((1 + 1)^{11-1} - 1) / 11))^{1+1}) - 11) \\
&:= 2 + ((22 \times (22 - 2)^2 + 22) + 2) \\
&:= (3^3 \times (333 - (3 + 3))) - 3 \\
&:= 4 \times 4 + ((44 - 4) / 4 \times ((4/4 + 4)^4 + 4^4)) \\
&:= 5/5 + (5 \times ((55 \times ((5 + 5) / 5)^5) + 5)) \\
&:= 6 + (((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= 7 + (((77 - 7) \times (77 + 7 \times 7)) - 7/7) \\
&:= (8 + 8) / 8 + (8888 - 8 \times 8) \\
&:= (9 \times (9 \times (99 + 9) + 9)) - (9 + 9 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8827 &:= (1 + 1 + 11) \times (((1 + 1)^{11} - 11) / (1 + 1 + 1)) \\
&:= 2 + (((2 \times (2 \times 22 + 2)) + 2)^2) - 22/2 \\
&:= 3/3 + ((3^3 \times (333 - (3 + 3))) - 3) \\
&:= ((44 - 4^4) / 4) + ((4 \times 4 + 4) \times 444) \\
&:= (((5 + 5) / 5)^5 \times (5 \times 55 + 5/5)) - 5 \\
&:= 6 + (((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) + 6/6) \\
&:= 7 + ((77 - 7) \times (77 + 7 \times 7)) \\
&:= 88/8 + (8888 - (8 \times 8 + 8)) \\
&:= (9 \times (9 \times (99 + 9) + 9)) - (9 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8828 &:= ((111 - 1 - 1) \times (11 - 1 - 1)^{1+1}) - 1 \\
&:= 2 \times ((2 \times (2222 - 2^{2+2})) + 2) \\
&:= (3^3 \times (333 - (3 + 3))) - 3/3 \\
&:= (4 \times ((4 + 4) \times ((4 \times 4 + 4^4) + 4))) - 4 \\
&:= 5 + (((5 + 5) / 5)^5 \times (5 \times 55 - 5/5)) + 55 \\
&:= 6 + (((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) + ((6 + 6) / 6)) \\
&:= 7 + (((77 - 7) \times (77 + 7 \times 7)) + 7/7) \\
&:= 8888 + (8 \times 8 / (8 + 8) - 8 \times 8) \\
&:= (9 \times (9 \times (99 + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8829 &:= (111 - 1 - 1) \times (11 - 1 - 1)^{1+1} \\
&:= (2/2 + 2)^{2+2} \times (222/2 - 2) \\
&:= 3^3 \times (333 - (3 + 3)) \\
&:= (4 - 4/4)^4 \times ((4^4 + 4) / 4 + 44) \\
&:= 5 + ((5 \times ((55 \times ((5 + 5) / 5)^5) + 5)) - 5/5) \\
&:= 6 + (66 \times (66 + 66) + 666/6) \\
&:= 7 + (((77 - 7) \times (77 + 7 \times 7)) + ((7 + 7) / 7)) \\
&:= 8 + ((8888 - (88/8 + 8 \times 8)) + 8) \\
&:= 9 \times (9 \times (99 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8830 &:= 1 + ((111 - 1 - 1) \times (11 - 1 - 1)^{1+1}) \\
&:= (2/2 + 2 + 2) \times ((2 \times 22 - 2)^2 + 2) \\
&:= 3/3 + (3^3 \times (333 - (3 + 3))) \\
&:= (4/4 + 4) \times ((4 - 44) / 4 + 4 \times 444) \\
&:= 5 + (5 \times ((55 \times ((5 + 5) / 5)^5) + 5)) \\
&:= ((66 - 6) / 6) + ((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= ((77 - 7) / 7) + ((77 - 7) \times (77 + 7 \times 7)) \\
&:= 8 + (8888 - (((8 + 8) / 8) + 8 \times 8)) \\
&:= 9/9 + (9 \times (9 \times (99 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8831 &:= 1 + (1 + ((111 - 1 - 1) \times (11 - 1 - 1)^{1+1})) \\
&:= 2 + ((2/2 + 2)^{2+2} \times (222/2 - 2)) \\
&:= 3 + ((3^3 \times (333 - (3 + 3))) - 3/3) \\
&:= (4 \times ((4 + 4) \times ((4 \times 4 + 4^4) + 4))) - 4/4 \\
&:= 5 + ((5 \times ((55 \times ((5 + 5) / 5)^5) + 5)) + 5/5) \\
&:= 66/6 + (((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= 77/7 + ((77 - 7) \times (77 + 7 \times 7)) \\
&:= 8 + (8888 - (8/8 + 8 \times 8)) \\
&:= (9 + 9) / 9 + (9 \times (9 \times (99 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8832 &:= (1 + 1) \times ((1 + 1) \times (11 + ((1 + 1 + 11)^{1+1+1}))) \\
&:= (((2 \times (2 \times 22 + 2)) + 2)^2) - 2 - 2 \\
&:= 3 + (3^3 \times (333 - (3 + 3))) \\
&:= 4 \times ((4 + 4) \times ((4 \times 4 + 4^4) + 4)) \\
&:= ((5 + 5) / 5)^5 \times (5 \times 55 + 5/5) \\
&:= 6 + (((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) + 6) \\
&:= (7/7 + 7) \times (7777/7 - 7) \\
&:= 8 + (8888 - 8 \times 8) \\
&:= ((9 + 9 + 9) / 9) + (9 \times (9 \times (99 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8833 &:= 11 \times (11 \times (1 + ((1 + 11)^{1+1} / (1 + 1)))) \\
&:= (((2 \times (2 \times 22 + 2)) + 2)^2) - 2/2 - 2 \\
&:= 3 + ((3^3 \times (333 - (3 + 3))) + 3/3) \\
&:= 4/4 + (4 \times ((4 + 4) \times ((4 \times 4 + 4^4) + 4))) \\
&:= 5/5 + (((5 + 5) / 5)^5 \times (5 \times 55 + 5/5)) \\
&:= 66/6 \times (66 \times (6 + 6) + (66/6)) \\
&:= 7 + (((77 - 7) \times (77 + 7 \times 7)) - 7/7) + 7 \\
&:= 8 + ((8888 - 8 \times 8) + 8/8) \\
&:= 9 + ((9 - 9/9) \times ((9999 + 9) / 9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8834 &:= 1 + (11 \times (11 \times (1 + ((1 + 11)^{1+1} / (1 + 1)))) \\
&:= (((2 \times (2 \times 22 + 2)) + 2)^2) - 2 \\
&:= 3 + (((3^3 \times (333 - (3 + 3))) - 3/3) + 3) \\
&:= (4 + 4) / 4 + (4 \times ((4 + 4) \times ((4 \times 4 + 4^4) + 4))) \\
&:= ((5 - 5/5 + 5) + 5) \times ((5^5 + 5) / 5 + 5) \\
&:= (6/6 + 6) \times ((6 \times (6 \times 6 \times 6 - 6)) + ((6 + 6) / 6)) \\
&:= 7 + (((77 - 7) \times (77 + 7 \times 7)) + 7) \\
&:= 8 + ((8888 - 8 \times 8) + ((8 + 8) / 8)) \\
&:= 9 + (((9 - 9/9) \times (9999/9 - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8835 &:= (1 + (((1 + 1)^{11-1} - 1) / 11))^{1+1} - 1 \\
&:= (((2 \times (2 \times 22 + 2)) + 2)^2) - 2/2 \\
&:= 3 + ((3^3 \times (333 - (3 + 3))) + 3) \\
&:= ((4 \times 4 + 4) \times 444) - (44 + 4/4) \\
&:= 5 + ((5 \times ((55 \times ((5 + 5) / 5)^5) + 5)) + 5) \\
&:= 6 + ((66 \times (66 + 66) + 666/6) + 6) \\
&:= (7/7 + 7 + 7) \times (7 \times (77 + 7) + 7/7) \\
&:= 88/8 + (8888 - 8 \times 8) \\
&:= 9 + ((9 \times (9 \times (99 + 9) + 9)) - ((9 + 9 + 9) / 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8836 &:= (1 + (((1 + 1)^{11-1} - 1) / 11))^{1+1} \\
&:= ((2 \times (2 \times 22 + 2)) + 2)^2 \\
&:= ((3 \times (3^3 + 3) + 3/3) + 3)^{3-3/3} \\
&:= ((4 \times 4 + 4) \times 444) - 44 \\
&:= (5 \times (5 \times 5 - 5) - (5/5 + 5))^{(5+5)/5} \\
&:= (((6 + 6) / 6)^6 - 6) + 6 \times 6^{(6+6)/6} \\
&:= (((77 - 7) / 7) + 77) + 7^{(7+7)/7} \\
&:= ((88 - ((8 + 8) / 8)) + 8)^{(8+8)/8} \\
&:= 9 + ((9 \times (9 \times (99 + 9) + 9)) - ((9 + 9) / 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8837 &:= 1 + ((1 + (((1 + 1)^{11-1} - 1) / 11))^{1+1}) \\
&:= 2/2 + (((2 \times (2 \times 22 + 2)) + 2)^2) \\
&:= 3 \times 3 + ((3^3 \times (333 - (3 + 3))) - 3/3) \\
&:= 4/4 + (((4 \times 4 + 4) \times 444) - 44) \\
&:= 5 + (((5 + 5) / 5)^5 \times (5 \times 55 + 5/5)) \\
&:= 6 + (((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) + (66/6)) \\
&:= 7 + (((77 - 7) \times (77 + 7 \times 7)) + ((77 - 7) / 7)) \\
&:= 8/8 + (((88 - ((8 + 8) / 8)) + 8)^{(8+8)/8}) \\
&:= 9 + ((9 \times (9 \times (99 + 9) + 9)) - 9/9)
\end{aligned}$$

- 8838 := $1 + (1 + ((1 + (((1 + 1)^{11-1} - 1)/11))^{1+1}))$
:= $2 + (((2 \times (2 \times 22 + 2)) + 2)^2)$
:= $3 \times ((3 \times (3 \times (333 - (3 + 3)))) + 3)$
:= $(4 + 4)/4 + (((4 \times 4 + 4) \times 444) - 44)$
:= $5 + (((5 + 5)/5)^5 \times (5 \times 55 + 5/5)) + 5/5)$
:= $(66 \times (6 + 6) \times (6 + 6)) - 666$
:= $(77/7 + 7) \times (7 \times (77 - 7) + 7/7)$
:= $8 + ((8888 - ((8 + 8)/8) + 8 \times 8) + 8)$
:= $9 + (9 \times (9 \times (99 + 9) + 9))$
- 8839 := $((1 + (11 \times (1 + 11)))^{1+1} - 11)/(1 + 1)$
:= $2 + (((2 \times (2 \times 22 + 2)) + 2)^2) + 2/2$
:= $3 + (((3 \times (3^3 + 3) + 3/3) + 3)^{3-3/3})$
:= $4 + ((4 \times 4 + 4) \times 444) - (44 + 4/4)$
:= $5 + (((5 - 5/5 + 5) + 5) \times ((5^5 + 5)/5 + 5))$
:= $6 + ((66/6) \times (66 \times (6 + 6) + (66/6)))$
:= $7 + ((7/7 + 7) \times (7777/7 - 7))$
:= $8 + ((8888 - (8/8 + 8 \times 8) + 8)$
:= $9 + ((9 \times (9 \times (99 + 9) + 9)) + 9/9)$
- 8840 := $1 + (((1 + (11 \times (1 + 11)))^{1+1} - 11)/(1 + 1))$
:= $(2 - 22) \times (2 - 2 \times 222)$
:= $33/3 + (3^3 \times (333 - (3 + 3)))$
:= $4 + (((4 \times 4 + 4) \times 444) - 44)$
:= $(55 + 5 + 5) \times (555/5 + 5 \times 5)$
:= $((6 + 6)/6 + 6) \times ((6666/6) - 6)$
:= $(7/7 + 7) \times ((7777 + 7)/7 - 7)$
:= $8 + ((8888 - 8 \times 8) + 8)$
:= $99/9 + (9 \times (9 \times (99 + 9) + 9))$
- 8841 := $1 + (1 + (((1 + (11 \times (1 + 11)))^{1+1} - 11)/(1 + 1)))$
:= $2/2 + ((2 - 22) \times (2 - 2 \times 222))$
:= $3 + ((3^3 \times (333 - (3 + 3))) + 3 \times 3)$
:= $4 + (((4 \times 4 + 4) \times 444) - 44) + 4/4$
:= $5 + ((5 \times (5 \times 5 - 5) - (5/5 + 5))^{(5+5)/5})$
:= $6/6 + (((6 + 6)/6 + 6) \times ((6666/6) - 6))$
:= $(7 \times (7 + 7) \times (77 + 7 + 7)) - 77$
:= $8 + (((8888 - 8 \times 8) + 8/8) + 8)$
:= $(99 + 9)/9 + (9 \times (9 \times (99 + 9) + 9))$
- 8842 := $(1 + 1) \times (((1 + 1) \times (((1 + 1) \times 1111) - 11)) - 1)$
:= $(22 \times ((22 - 2)^2 + 2)) - 2$
:= $3 + (((3 \times (3^3 + 3) + 3/3) + 3)^{3-3/3}) + 3$
:= $((4 + 4)/4 \times (4444 - 4/4)) - 44$
:= $5 + (((5 + 5)/5)^5 \times (5 \times 55 + 5/5)) + 5$
:= $6 + (((((6 + 6)/6)^6 - 6) + 6 \times 6)^{(6+6)/6})$
:= $7 + ((7/7 + 7 + 7) \times (7 \times (77 + 7) + 7/7))$
:= $8 + (((8888 - 8 \times 8) + ((8 + 8)/8)) + 8)$
:= $((99 + 9 + 9)/9) + (9 \times (9 \times (99 + 9) + 9))$
- 8843 := $(((((1 + (11 \times (1 + 11)))^{1+1}) - 1)/(1 + 1)) - 1)$
:= $(22 \times ((22 - 2)^2 + 2)) - 2/2$
:= $3 + ((3^3 \times (333 - (3 + 3))) + 33/3)$
:= $44 + (((4 \times 4 + 4) \times (444 - 4)) - 4/4)$
:= $((55/5 + 5) \times (555 - (5 + 5)/5)) - 5$
:= $((66 + 66) \times (66 + 6/6)) - 6/6$
:= $7 + (((((77 - 7)/7) + 77) + 7)^{(7+7)/7})$
:= $8 + ((8888 - 8 \times 8) + (88/8))$
:= $9 + (((9 - 9/9) \times (9999/9 - 9)) + 9) + 9$
- 8844 := $((1 + (11 \times (1 + 11)))^{1+1} - 1)/(1 + 1)$
:= $22 \times ((22 - 2)^2 + 2)$
:= $33 + (33 \times ((3 \times 3 \times (3^3 + 3)) - 3))$
:= $44 + ((4 \times 4 + 4) \times (444 - 4))$
:= $(5/5 + 5) \times (5 \times (5 \times (55 + 5) - 5) - 5/5)$
:= $(66 + 66) \times (66 + 6/6)$
:= $7777 + (77 \times (7 + 7) - (77/7))$
:= $8888 - (88/(8 + 8)/8)$
:= $(99 + 9)/9 \times ((9 \times 9 \times 9 - 9/9) + 9)$
- 8845 := $(1 + ((1 + (11 \times (1 + 11)))^{1+1}))/ (1 + 1)$
:= $2/2 + (22 \times ((22 - 2)^2 + 2))$
:= $((3 \times 3 + 3) \times (3^{3+3} + 3 \times 3)) - 33/3$
:= $44 + (((4 \times 4 + 4) \times (444 - 4)) + 4/4)$
:= $((5 \times 5 + 5) \times (5 \times (55 + 5) - 5)) - 5$
:= $6/6 + ((66 + 66) \times (66 + 6/6))$
:= $7 + ((77/7 + 7) \times (7 \times (77 - 7) + 7/7))$
:= $8/8 + (8888 - (88/(8 + 8)/8))$
:= $99 + (9 \times 9 \times (99 + 9) - ((9 + 9)/9))$
- 8846 := $1 + ((1 + ((1 + (11 \times (1 + 11)))^{1+1}))/ (1 + 1))$
:= $2 + (22 \times ((22 - 2)^2 + 2))$
:= $(3^3 \times (333 - 3)) - ((3/3 + 3)^3)$
:= $((4 + 4)/4 \times (4444 + 4/4)) - 44$
:= $5/5 + (((5 \times 5 + 5) \times (5 \times (55 + 5) - 5)) - 5)$
:= $6 + (((6 + 6)/6 + 6) \times ((6666/6) - 6))$
:= $7 + (((7/7 + 7) \times (7777/7 - 7)) + 7)$
:= $88 \times 88 + ((8888 - 8)/8 - 8)$
:= $99 + (9 \times 9 \times (99 + 9) - 9/9)$
- 8847 := $1 + (1 + ((1 + ((1 + (11 \times (1 + 11)))^{1+1}))/ (1 + 1)))$
:= $2 + ((22 \times ((22 - 2)^2 + 2)) + 2/2)$
:= $3 \times ((3 \times (3^3 \times (33 + 3))) + 33)$
:= $44/4 + (((4 \times 4 + 4) \times 444) - 44)$
:= $5 + (((((5 + 5)/5)^5 \times (5 \times 55 + 5/5)) + 5) + 5)$
:= $666/6 + ((6/6 + 6 + 6) \times (666 + 6))$
:= $7 + ((7/7 + 7) \times ((7777 + 7)/7 - 7))$
:= $88 \times 88 + (8888/8 - 8)$
:= $99 + 9 \times 9 \times (99 + 9)$
- 8848 := $(1 + 111) \times ((11 - 1 - 1)^{1+1} - (1 + 1))$
:= $2 + ((22 \times ((22 - 2)^2 + 2)) + 2)$
:= $3/3 + (((3 \times 3 + 3) \times 3^{3+3}) + 3 \times 33)$
:= $4 \times (((4 + 4) \times ((4 \times 4 + 4^4) + 4)) + 4)$
:= $(55/5 + 5) \times (555 - (5 + 5)/5)$
:= $(6 \times 66 \times (6 + 6)) + (((6 + 6)/6)^{6+6})$
:= $7777 + (77 \times (7 + 7) - 7)$
:= $8 + (((8888 - 8 \times 8) + 8) + 8)$
:= $9/9 + (9 \times 9 \times (99 + 9) + 99)$
- 8849 := $1 + ((1 + 111) \times ((11 - 1 - 1)^{1+1} - (1 + 1)))$
:= $2 + (((22 \times ((22 - 2)^2 + 2)) + 2/2) + 2)$
:= $3 + ((3^3 \times (333 - 3)) - ((3/3 + 3)^3))$
:= $(4/4 + 4)^4 + ((4 + 4) \times (4 \times 4^4 + 4))$
:= $((5 \times 5 + 5) \times (5 \times (55 + 5) - 5)) - 5/5$
:= $(6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) - 6/6 - 6$
:= $7/7 + ((77 \times (7 + 7) - 7) + 7777)$
:= $8 + (((8888 - 8 \times 8) + 8/8) + 8) + 8$
:= $9 + ((9 \times (9 \times (99 + 9) + 9)) + (99/9))$
- 8850 := $(11 + ((1 + (11 \times (1 + 11)))^{1+1}))/ (1 + 1)$
:= $2 + (((22 \times ((22 - 2)^2 + 2)) + 2) + 2)$
:= $3 + (((3 \times 3 + 3) \times 3^{3+3}) + 3 \times 33)$
:= $(4/4 + 4) \times (4 \times 444 - ((4 + 4)/4 + 4))$
:= $(5 \times 5 + 5) \times (5 \times (55 + 5) - 5)$
:= $(6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) - 6$
:= $(7/7 + 7 \times 7) \times (((7 + 7)/7)^7 + 7 \times 7)$
:= $((8 + 8)/8 + 8) \times (888 - 88/8 + 8)$
:= $999/9 + (9 \times 9 \times (99 + 9) - 9)$
- 8851 := $1 + ((11 + ((1 + (11 \times (1 + 11)))^{1+1}))/ (1 + 1))$
:= $22/2 + ((2 - 22) \times (2 - 2 \times 222))$
:= $3 + (((3 \times 3 + 3) \times 3^{3+3}) + 3 \times 33) + 3/3$
:= $(4 \times 44 \times 44) + (4444/4 - 4)$
:= $5/5 + ((5 \times 5 + 5) \times (5 \times (55 + 5) - 5))$
:= $6/6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) - 6)$
:= $7 + ((7777 - (77/7)) + 77 \times (7 + 7))$
:= $8888 - 888/(8 + 8 + 8)$
:= $((99 + 99)/9) + (9 \times (9 \times (99 + 9) + 9))$
- 8852 := $(1 + 1) \times ((1 + 1) \times (((1 + 1) \times (1 + 1111)) - 11))$
:= $2 \times (2 \times (2222 + 2) - 22)$
:= $(3/3 + 3) \times ((3 \times 3^{3+3} - 3/3) + 3^3)$
:= $((4 + 4) \times (4444/4 - 4)) - 4$
:= $(5 + 5)/5 + ((5 \times 5 + 5) \times (5 \times (55 + 5) - 5))$
:= $666 + (((6 + 6)/6)^{6+6+6}) - 6$
:= $7 + (((77/7 + 7) \times (7 \times (77 - 7) + 7/7)) + 7)$
:= $8 + (8888 - (88/(8 + 8)/8))$
:= $99 + (9 \times 9 \times (99 + 9) + ((9 \times 9 + 9)/(9 + 9)))$

- **8853** := $1 + ((1 + 1) \times ((1 + 1) \times (((1 + 1) \times (1 + 1111)) - 11)))$
:= $2/2 + (2 \times (2 \times (2222 + 2) - 22))$
:= $((3 \times 3 + 3) \times (3^{3+3} + 3 \times 3)) - 3$
:= $4 + (((4 + 4) \times (4 \times 4^4 + 4)) + (4/4 + 4)^4)$
:= $5 + ((55/5 + 5) \times (555 - (5 + 5)/5))$
:= $6666 + ((6 \times 6/(6 + 6))^{6/6+6})$
:= $7777 + (77 \times (7 + 7) - ((7 + 7)/7))$
:= $8888 - (88/8 + 8 + 8 + 8)$
:= $9 + ((99 + 9)/9 \times ((9 \times 9 \times 9 - 9/9) + 9))$
- **8858** := $(1 + 1) \times (((1 + 1)^{1+11}) + (1 + 1 + 1) \times 111)$
:= $22 + (((2 \times (2 \times 22 + 2)) + 2)^2)$
:= $3 + (((3 \times 3 + 3) \times (3^{3+3} + 3 \times 3)) - 3/3)$
:= $(4 + 4)/4 + ((4 + 4) \times (4444/4 - 4))$
:= $5 + (((55/5 + 5) \times (555 - (5 + 5)/5)) + 5)$
:= $666 + (((6 + 6)/6)^{6/6+6+6})$
:= $(7 \times (7 \times (77 - 7) + 777)) - 77/7$
:= $8888 - ((88 + 88)/8 + 8)$
:= $99 + (9 \times 9 \times (99 + 9) + (99/9))$
- **8863** := $((1 + 1)^{1+1+1} \times (1111 - (1 + 1 + 1))) - 1$
:= $2/2 + ((2 \times ((2 \times 2222) - 2)) - 22)$
:= $3/3 + ((3^3 \times (333 - (3 + 3))) + 33)$
:= $((4 \times 4 + 4) \times 444) - (4 \times 4 + 4/4)$
:= $((55/5 + 5) \times (555 - 5/5)) - 5/5$
:= $6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) + 6/6)$
:= $7 + ((7777 + 77 \times (7 + 7)) + 7/7)$
:= $8888 - (8/8 + 8 + 8 + 8)$
:= $9 + (((99 + 9) \times (9/9 + 9 \times 9)) - ((9 + 9)/9))$
- **8854** := $11 + (((((1 + (11 \times (1 + 11)))^{1+1}) - 1)/(1 + 1)) - 1)$
:= $2 + (2 \times (2 \times (2222 + 2) - 22))$
:= $3/3 + (((3 \times 3 + 3) \times (3^{3+3} + 3 \times 3)) - 3)$
:= $(4 + 4)/4 \times (4444 - (4 \times 4 + 4/4))$
:= $5 + (((5 \times 5 + 5) \times (5 \times (55 + 5) - 5)) - 5/5)$
:= $(6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) - (6 + 6)/6$
:= $7777 + (77 \times (7 + 7) - 7/7)$
:= $88 \times 88 + (8888 - 8)/8$
:= $((99 + 9) \times (9/9 + 9 \times 9)) - (9 + 9)/9$
- **8859** := $111 + ((1 + 11) \times (11 - 1 - 1)^{1+1+1})$
:= $22 + (((2 \times (2 \times 22 + 2)) + 2)^2) + 2/2$
:= $3 + ((3 \times 3 + 3) \times (3^{3+3} + 3 \times 3))$
:= $((4/4 + 4) \times (4 \times 444 - 4)) - 4/4$
:= $((55/5 + 5) \times (555 - 5/5)) - 5$
:= $666/6 + ((6 + 6) \times ((6 \times 6/(6 + 6))^{6/6}))$
:= $77/7 + ((77 \times (7 + 7) - 7) + 7777)$
:= $8 + (8888 - 888/8 + 8 + 8)$
:= $999/9 + 9 \times 9 \times (99 + 9)$
- **8864** := $(1 + 1)^{1+1+1} \times (1111 - (1 + 1 + 1))$
:= $2 \times (2 \times (2222 - (2 + 2 + 2)))$
:= $(3 \times 3 - 3/3) \times (3333/3 - 3)$
:= $4 \times ((4/4 + 4) \times 444 - 4)$
:= $(55/5 + 5) \times (555 - 5/5)$
:= $6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) + ((6 + 6)/6))$
:= $(7/7 + 7) \times ((7777 - 7 - 7 - 7)/7)$
:= $8888 - 8 - 8 - 8$
:= $9 + (((99 + 9) \times (9/9 + 9 \times 9)) - 9/9)$
- **8855** := $11 + (((1 + (11 \times (1 + 11)))^{1+1}) - 1)/(1 + 1)$
:= $22/2 + (22 \times ((22 - 2)^2 + 2))$
:= $((3 \times 3 + 3) \times (3^{3+3} + 3 \times 3)) - 3/3$
:= $(4/4 + 4) \times (4 \times 444 - (4/4 + 4))$
:= $5 + ((5 \times 5 + 5) \times (5 \times (55 + 5) - 5))$
:= $(6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) - 6/6$
:= $7777 + 77 \times (7 + 7)$
:= $88 \times 88 + 8888/8$
:= $((99 + 9) \times (9/9 + 9 \times 9)) - 9/9$
- **8860** := $(1 + 1) \times ((11 - 1) \times (((1 + 1) \times (1 + 1) \times 111) - 1))$
:= $(2 - 22) \times (2/2 - 2 \times 222)$
:= $3 + (((3 \times 3 + 3) \times (3^{3+3} + 3 \times 3)) + 3/3)$
:= $(4/4 + 4) \times (4 \times 444 - 4)$
:= $5 + (((5 \times 5 + 5) \times (5 \times (55 + 5) - 5)) + 5)$
:= $6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) - ((6 + 6)/6))$
:= $7 + ((7777 - ((7 + 7)/7)) + 77 \times (7 + 7))$
:= $8888 + ((8 - 8 \times 8)/(8 + 8)/8)$
:= $((999 + 9)/9) + 9 \times 9 \times (99 + 9)$
- **8865** := $1 + ((1 + 1)^{1+1+1} \times (1111 - (1 + 1 + 1)))$
:= $(2 \times (2 \times 2222)) - 22 - 2/2$
:= $3 \times (3 \times (3 \times 333 - 3) - 33)$
:= $4/4 + (4 \times ((4/4 + 4) \times 444 - 4))$
:= $5 \times (((5 + 5)/5)^{55/5} - 5 \times 55)$
:= $6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) + (6 \times 6/(6 + 6)))$
:= $((7/7 + 7) \times ((7777 - 7 - 7)/7)) - 7$
:= $8/8 + (8888 - (8 + 8 + 8))$
:= $9 + ((99 + 9) \times (9/9 + 9 \times 9))$
- **8856** := $11 + ((1 + ((1 + (11 \times (1 + 11)))^{1+1}))/ (1 + 1))$
:= $2 \times (2 \times (2222 - 2 \times (2 + 2)))$
:= $(3 \times 3 + 3) \times (3^{3+3} + 3 \times 3)$
:= $(4 + 4) \times (4444/4 - 4)$
:= $5 + (((5 \times 5 + 5) \times (5 \times (55 + 5) - 5)) + 5/5)$
:= $6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))$
:= $7/7 + (7777 + 77 \times (7 + 7))$
:= $8888 - ((8 + 8 + 8) + 8)$
:= $(99 + 9) \times (9/9 + 9 \times 9)$
- **8861** := $((1 + 1)^{1+1+1} \times (1111 - (1 + 1))) - 11$
:= $2/2 + ((2 - 22) \times (2/2 - 2 \times 222))$
:= $33 + ((3^3 \times (333 - (3 + 3))) - 3/3)$
:= $4/4 + ((4/4 + 4) \times (4 \times 444 - 4))$
:= $55/5 + ((5 \times 5 + 5) \times (5 \times (55 + 5) - 5))$
:= $6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) - 6/6)$
:= $7 + ((7777 - 7/7) + 77 \times (7 + 7))$
:= $8888 - (88/8 + 8 + 8)$
:= $9 \times 999 - (((999 + 9)/9) + 9) + 9$
- **8866** := $(1 + 1) \times (((1 + 1) \times ((1 + 1) \times 1111)) - 11)$
:= $(2 \times (2 \times 2222)) - 22$
:= $(3^3 \times 333) - (3 - 3/3 + 3)^3$
:= $(4 + 4)/4 \times (4444 - 44/4)$
:= $(5/5 + 5)^5 + (55 \times (5 \times 5 - 5) - (5 + 5))$
:= $((66 - 6)/6) + (6 \times (6 \times (6 \times (6 \times 6 + 6) - 6)))$
:= $77/7 + (7777 + 77 \times (7 + 7))$
:= $8888 - (88 + 88)/8$
:= $9 + (((99 + 9) \times (9/9 + 9 \times 9)) + 9/9)$
- **8857** := $1 + (11 + ((1 + ((1 + (11 \times (1 + 11)))^{1+1}))/ (1 + 1)))$
:= $2 + ((22 \times ((22 - 2)^2 + 2)) + 22/2)$
:= $3/3 + ((3 \times 3 + 3) \times (3^{3+3} + 3 \times 3))$
:= $4/4 + ((4 + 4) \times (4444/4 - 4))$
:= $5 \times 5 + (((5 + 5)/5)^5 \times (5 \times 55 + 5/5))$
:= $6/6 + (6 \times (6 \times (6 \times (6 \times 6 + 6) - 6)))$
:= $7 + ((7/7 + 7 \times 7) \times (((7 + 7)/7)^7 + 7 \times 7))$
:= $8/8 + (8888 - ((8 + 8 + 8) + 8))$
:= $9/9 + ((99 + 9) \times (9/9 + 9 \times 9))$
- **8862** := $(1 + 1) \times (((1 + 1) \times (((1 + 1) \times 1111) - 1)) - 11)$
:= $(2 \times ((2 \times 2222) - 2)) - 22$
:= $33 + (3^3 \times (333 - (3 + 3)))$
:= $(4 + 4)/4 + ((4/4 + 4) \times (4 \times 444 - 4))$
:= $(5/5 + 5)^5 + (5555/5 - 5 \times 5)$
:= $6 + (6 \times (6 \times (6 \times (6 \times 6 + 6) - 6)))$
:= $7 + (7777 + 77 \times (7 + 7))$
:= $(8 - 88)/8 + (8888 - (8 + 8))$
:= $9 \times 999 - ((999/9 + 9) + 9)$
- **8867** := $1 + ((1 + 1) \times (((1 + 1) \times ((1 + 1) \times 1111)) - 11))$
:= $2/2 + ((2 \times (2 \times 2222)) - 22)$
:= $3 + ((3 \times 3 - 3/3) \times (3333/3 - 3))$
:= $4 + (((4 \times 4 + 4) \times 444) - (4 \times 4 + 4/4))$
:= $5 + ((5555/5 - 5 \times 5) + (5/5 + 5)^5)$
:= $66/6 + (6 \times (6 \times (6 \times (6 \times 6 + 6) - 6)))$
:= $(7 \times (7 \times (77 - 7) + 777)) - (7 + 7)/7$
:= $8888 + ((8 - (88 + 88))/8)$
:= $99/9 + ((99 + 9) \times (9/9 + 9 \times 9))$

- ▶ **8868** := $(1+1) \times (1 + (((1+1) \times ((1+1) \times 1111)) - 11))$
:= $2 + ((2 \times (2 \times 2222)) - 22)$
:= $3 + (3 \times (3 \times (3 \times 333 - 3) - 33))$
:= $4 + (4 \times ((4/4 + 4) \times 444 - 4))$
:= $555 \times (55/5 + 5) - (55 + 5)/5$
:= $6 + (((6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) + 6)) + 6$
:= $(7 \times (7 \times (77 - 7) + 777)) - 7/7$
:= $8888 - ((88 + 8)/8 + 8)$
:= $9 + (9 \times 9 \times (99 + 9) + 999/9)$
- ▶ **8873** := $1 + ((1+1)^{1+1+1} \times (1111 - (1+1)))$
:= $2/2 + (2 \times (2 \times (2222 - (2+2))))$
:= $(3 - 3/3 + 3)^3 + ((3 \times 3 + 3) \times 3^{3+3})$
:= $4 + (((4 \times 4 + 4) \times 444) - 44/4)$
:= $(5^5 - 5 - 5)/5 + (5 \times (55 \times (5 \times 5 + 5)))$
:= $6 + (((6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) + (66/6))) + 6$
:= $((7/7 + 7) \times (7777 - 7)/7) - 7$
:= $8/8 + (8888 - (8 + 8))$
:= $9 \times 999 - ((9/9 + 99 + 9) + 9)$
- ▶ **8878** := $1 + ((1111 \times (1+1)^{1+1+1}) - 11)$
:= $(2 \times (2 \times (2222 - 2))) - 2$
:= $3/3 + ((3^3 \times (333 - 3)) - 33)$
:= $((4 \times 4 + 4) \times 444) - (4 + 4)/4$
:= $555 \times (55/5 + 5) - (5 + 5)/5$
:= $6 + (((6 + 6)/6 + 6) \times ((6666 - (6 + 6))/6)) + 6$
:= $(7 \times 7 \times (7 + 7)) + (((7 + 7)/7)^{7-7/7+7})$
:= $(8 - 88)/8 + 8888$
:= $9 \times 999 - ((999 + 9 + 9)/9)$
- ▶ **8869** := $(111 \times ((11 - 1 - 1)^{1+1} - 1)) - 11$
:= $(2 \times (2 \times (2222 - 2))) - 22/2$
:= $3 + ((3^3 \times 333) - (3 - 3/3 + 3)^3)$
:= $((4 \times 4 + 4) \times 444) - 44/4$
:= $5 + ((55/5 + 5) \times (555 - 5/5))$
:= $6 + (((6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) + 6/6) + 6)$
:= $7 \times (7 \times (77 - 7) + 777)$
:= $8888 - (88/8 + 8)$
:= $9 \times 999 - (999 + 99)/9$
- ▶ **8874** := $1 + (1 + ((1+1)^{1+1+1} \times (1111 - (1+1))))$
:= $2 + (2 \times (2 \times (2222 - (2+2))))$
:= $3 \times ((3 \times ((3 \times (333 - 3)) - 3)) - 3)$
:= $((4 \times 4 + 4) \times 444) - ((4 + 4)/4 + 4)$
:= $(5^5 - 5)/5 + (5 \times (55 \times (5 \times 5 + 5)))$
:= $6 + (((6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) + 6) + 6)$
:= $((7/7 + 7) \times 7777/7) - (7 + 7)$
:= $(8 + 8)/8 + (8888 - (8 + 8))$
:= $9 \times 999 - (99 + 9 + 9)$
- ▶ **8879** := $(111 \times ((11 - 1 - 1)^{1+1} - 1)) - 1$
:= $(2 \times (2 \times (2222 - 2))) - 2/2$
:= $(3^3 \times 333) - ((333 + 3)/3)$
:= $((4 \times 4 + 4) \times 444) - 4/4$
:= $555 \times (55/5 + 5) - 5/5$
:= $(6/6 + 6 + 6) \times ((666 + (66/6)) + 6)$
:= $7 + ((7/7 + 7) \times ((7777 - 7 - 7)/7))$
:= $8888 - (8/8 + 8)$
:= $9 \times 999 - ((999 + 9)/9)$
- ▶ **8870** := $(11 - 1) \times ((111 \times (1+1)^{1+1+1}) - 1)$
:= $(2 \times ((2 \times 2222) + 2)) - 22$
:= $(3 \times 3 + 3/3) \times ((33 \times 3^3) - (3/3 + 3))$
:= $(4/4 + 4) \times (4 \times 444 - (4 + 4)/4)$
:= $555 \times (55/5 + 5) - 5 - 5$
:= $6 + (((6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) + ((6 + 6)/6)) + 6)$
:= $7/7 + (7 \times (7 \times (77 - 7) + 777))$
:= $(8 - 88)/8 + (8888 - 8)$
:= $9 \times 999 - (((999 + 9)/9) + 9)$
- ▶ **8875** := $(1 + ((1+1)^{11} \times (1+1+11)))/(1+1+1)$
:= $(2 \times (2 \times 2222)) - (22/2 + 2)$
:= $((3 + 3)^3 - 3)/3 \times (3 - 3/3 + 3)^3$
:= $(4/4 + 4) \times (4 \times 444 - 4/4)$
:= $5 \times ((5 \times (5 - 5 \times 55)) + 5^5)$
:= $(6^{6-6/6}) + ((6666/6) - (6 + 6))$
:= $7 + ((7 \times (7 \times (77 - 7) + 777)) - 7/7)$
:= $8888 - (88 + 8 + 8)/8$
:= $9/9 + (9 \times 999 - (99 + 9 + 9))$
- ▶ **8880** := $111 \times ((11 - 1 - 1)^{1+1} - 1)$
:= $22 \times (22 - 2)^2$
:= $3 + ((3^3 \times (333 - 3)) - 33)$
:= $(4 \times 4 + 4) \times 444$
:= $555 \times (55/5 + 5)$
:= $6 \times 6 + ((66 + 66) \times (66 + 6/6))$
:= $(7/7 + 7) \times (7777 - 7)/7$
:= $8888 - 8$
:= $999/9 \times (9 \times 9 - 9/9)$
- ▶ **8871** := $((1+1)^{1+1+1} \times (1111 - (1+1))) - 1$
:= $(2 \times (2 \times (2222 - (2+2)))) - 2/2$
:= $3 \times (((33/3 + 3)^3 - 3) + (3 + 3)^3)$
:= $((4 \times 4 + 4) \times 444) - (4/4 + 4 + 4)$
:= $(5/5 + 5)^5 + (55 \times (5 \times 5 - 5) - 5)$
:= $6 + (((6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) + (6 \times 6/(6 + 6))) + 6)$
:= $(7 + 7)/7 + (7 \times (7 \times (77 - 7) + 777))$
:= $8888 - (8/8 + 8 + 8)$
:= $9 \times 999 - (999/9 + 9)$
- ▶ **8876** := $(1+1) \times ((1+1) \times (((1+1) \times (1111 - 1)) - 1))$
:= $2 \times ((2 \times (2222 - 2)) - 2)$
:= $(3^3 \times (333 - 3)) - 3/3 - 33$
:= $((4 \times 4 + 4) \times 444) - 4$
:= $(5/5 + 5)^5 + 55 \times (5 \times 5 - 5)$
:= $(6^{6-6/6}) + ((6666 - 66)/6)$
:= $7 + (7 \times (7 \times (77 - 7) + 777))$
:= $8888 - (88 + 8)/8$
:= $9 + (((99 + 9) \times (9/9 + 9 \times 9)) + (99/9))$
- ▶ **8881** := $1 + (111 \times ((11 - 1 - 1)^{1+1} - 1))$
:= $2/2 + (2 \times (2 \times (2222 - 2)))$
:= $((3 - 333)/3) + (3^3 \times 333)$
:= $4/4 + ((4 \times 4 + 4) \times 444)$
:= $5/5 + 555 \times (55/5 + 5)$
:= $(6^{6-6/6}) + ((6666/6) - 6)$
:= $((7/7 + 7) \times 7777/7) - 7$
:= $8/8 + (8888 - 8)$
:= $9 \times 999 + ((9 - 999)/9)$
- ▶ **8872** := $(1+1)^{1+1+1} \times (1111 - (1+1))$
:= $2 \times (2 \times (2222 - (2+2)))$
:= $(3 \times 3 - 3/3) \times (((3333 + 3)/3) - 3)$
:= $((4 \times 4 + 4) \times 444) - 4 - 4$
:= $5^5 + ((5^5 + 5 + 5)/5 + 5 \times (5 - 5/5)^5)$
:= $((6 + 6)/6 + 6) \times ((6666 - (6 + 6))/6)$
:= $(7/7 + 7) \times ((7777 - 7 - 7)/7)$
:= $8888 - 8 - 8$
:= $(9 - 9/9) \times ((9999 - (9 + 9))/9)$
- ▶ **8877** := $(1111 \times (1+1)^{1+1+1}) - 11$
:= $(2 \times (2 \times 2222)) - 22/2$
:= $(3^3 \times (333 - 3)) - 33$
:= $4/4 + (((4 \times 4 + 4) \times 444) - 4)$
:= $5/5 + (55 \times (5 \times 5 - 5) + (5/5 + 5)^5)$
:= $66/6 \times (((6 \times 6/(6 + 6))^6 + 66) + 6) + 6$
:= $7 + ((7 \times (7 \times (77 - 7) + 777)) + 7/7)$
:= $8888 - 88/8$
:= $9 + ((9 \times 9 \times (99 + 9) + 999/9) + 9)$
- ▶ **8882** := $1 + (1 + (111 \times ((11 - 1 - 1)^{1+1} - 1)))$
:= $2 + (2 \times (2 \times (2222 - 2)))$
:= $(3^3 \times (333 - 3)) - (3^3 + 3/3)$
:= $(4 + 4)/4 + ((4 \times 4 + 4) \times 444)$
:= $(5 + 5)/5 + 555 \times (55/5 + 5)$
:= $((6 + 6)/6 + 6) \times (6666/6) - 6$
:= $7/7 + (((7/7 + 7) \times 7777/7) - 7)$
:= $(8 + 8)/8 + (8888 - 8)$
:= $9 \times 999 - (9/9 + 99 + 9)$

$$\begin{aligned}
\blacktriangleright 8883 &:= ((1+1) \times ((1+1) \times (((1+1) \times 1111) - 1))) - 1 \\
&:= (2 \times ((2 \times 2222) - 2)) - 2/2 \\
&:= 3 \times (3 \times ((3 \times (333 - 3)) - 3)) \\
&:= 4 + (((4 \times 4 + 4) \times 444) - 4/4) \\
&:= 5 + (555 \times (55/5 + 5) - ((5+5)/5)) \\
&:= 6/6 + (((6+6)/6 + 6) \times (6666/6)) - 6 \\
&:= ((77 - 7) \times ((7+7)/7)^7) - 77 \\
&:= 88/8 + (8888 - (8+8)) \\
&:= 9 \times 999 - (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8888 &:= 1111 \times (1+1)^{1+1+1} \\
&:= 2 \times (2 \times 2222) \\
&:= (3 \times 3 - 3/3) \times 3333/3 \\
&:= (4+4) \times 4444/4 \\
&:= (5/5 + 5)^5 + (5555 + 5)/5 \\
&:= ((6+6)/6 + 6) \times (6666/6) \\
&:= (7/7 + 7) \times 7777/7 \\
&:= 8888 \\
&:= (9 - 9/9) \times 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8893 &:= 1 + ((1+1) \times ((1+1) \times (1 + ((1+1) \times 1111)))) \\
&:= 2/2 + (2 \times ((2 \times 2222) + 2)) \\
&:= 3/3 + (3 \times (3 \times 3 \times 333 - 33)) \\
&:= 4 + (((4+4) \times 4444/4) + 4/4) \\
&:= 5 + ((5555 + 5)/5 + (5/5 + 5)^5) \\
&:= 6 + ((6666/6) + (6^{6-6/6})) \\
&:= 7 + (((7777 - 7 - 7)/7) + 7777) \\
&:= 8 + ((8888 - (88/8)) + 8) \\
&:= 9/9 + (9 \times 999 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8884 &:= (1+1) \times ((1+1) \times (((1+1) \times 1111) - 1)) \\
&:= 2 \times (2 \times 2222) - 2 \\
&:= 3/3 + (3 \times (3 \times ((3 \times (333 - 3)) - 3))) \\
&:= 4 + ((4 \times 4 + 4) \times 444) \\
&:= 5 + (555 \times (55/5 + 5) - 5/5) \\
&:= ((6+6)/6)^6 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= 7/7 + (((77 - 7) \times ((7+7)/7)^7) - 77) \\
&:= 8888 - 8 \times 8/(8+8) \\
&:= 9/9 + (9 \times 999 - (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8889 &:= 1 + (1111 \times (1+1)^{1+1+1}) \\
&:= 2/2 + (2 \times (2 \times 2222)) \\
&:= (3^3 \times 333) - (3 \times 33 + 3) \\
&:= 4/4 + ((4+4) \times 4444/4) \\
&:= ((5+5)^{5-5/5}) - 5555/5 \\
&:= 6/6 + (((6+6)/6 + 6) \times (6666/6)) \\
&:= 7/7 + ((7/7 + 7) \times 7777/7) \\
&:= 8/8 + 8888 \\
&:= 9 + (999/9 \times (9 \times 9 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8894 &:= (1+1) \times (1 + ((1+1) \times (1 + ((1+1) \times 1111)))) \\
&:= 2 + (2 \times ((2 \times 2222) + 2)) \\
&:= 3 + (((3 \times 3 - 3/3) \times 3333/3) + 3) \\
&:= 4 + ((4+4)/4 \times (4444 + 4/4)) \\
&:= 5 + (((5+5)^{5-5/5}) - 5555/5) \\
&:= 6 + (((6+6)/6 + 6) \times (6666/6)) \\
&:= 7 + (((7/7 + 7) \times (7777 - 7)/7) + 7) \\
&:= 8 + (8888 - ((8+8)/8)) \\
&:= (9+9)/9 + (9 \times 999 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8885 &:= 1 + ((1+1) \times ((1+1) \times (((1+1) \times 1111) - 1))) \\
&:= 2/2 + (2 \times ((2 \times 2222) - 2)) \\
&:= ((3 \times 3 - 3/3) \times 3333/3) - 3 \\
&:= 4 + (((4 \times 4 + 4) \times 444) + 4/4) \\
&:= 5 + 555 \times (55/5 + 5) \\
&:= 66 + (((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) - 6/6) \\
&:= ((7/7 - 77) \times (((7 - 777)/7) - 7)) - 7 \\
&:= 8 + (8888 - (88/8)) \\
&:= (9+9)/9 + (9 \times 999 - (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8890 &:= 1 + (1 + (1111 \times (1+1)^{1+1+1})) \\
&:= 2 + (2 \times (2 \times 2222)) \\
&:= 3/3 + ((3^3 \times 333) - (3 \times 33 + 3)) \\
&:= (4+4)/4 \times (4444 + 4/4) \\
&:= 5 + (555 \times (55/5 + 5) + 5) \\
&:= (6 \times 6 - 6/6) \times (6 \times (6 \times 6 + 6) + ((6+6)/6)) \\
&:= 7 \times 7 \times 7 + 77 \times 777/7 \\
&:= (8+8)/8 + 8888 \\
&:= (9/9 + 9) \times (9 \times 99 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8895 &:= ((1+1)^{1+1+1} \times (1+1111)) - 1 \\
&:= (2 \times 2 \times (2222 + 2)) - 2/2 \\
&:= 3 + (3 \times (3 \times 3 \times 333 - 33)) \\
&:= 4 + (((4 \times 4 + 4) \times 444) + 44/4) \\
&:= 5 + ((555 \times (55/5 + 5) + 5) + 5) \\
&:= 666/6 + (6+6) \times (666 + 66) \\
&:= 7 + ((7/7 + 7) \times 7777/7) \\
&:= 8 + (8888 - 8/8) \\
&:= 9 \times 999 + (((9+9+9)/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8886 &:= (1+1) \times (((1+1) \times ((1+1) \times 1111)) - 1) \\
&:= (2 \times (2 \times 2222)) - 2 \\
&:= 3 + (3 \times (3 \times ((3 \times (333 - 3)) - 3))) \\
&:= (4+4)/4 \times (4444 - 4/4) \\
&:= 5 + (555 \times (55/5 + 5) + 5/5) \\
&:= 66 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= 7777 + ((7777 - 7 - 7)/7) \\
&:= 8888 - (8+8)/8 \\
&:= 9 \times 999 + (((9+9+9)/9) - (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8891 &:= 1 + (1 + (1 + (1111 \times (1+1)^{1+1+1}))) \\
&:= 2 + ((2 \times (2 \times 2222)) + 2/2) \\
&:= 3 + ((3 \times 3 - 3/3) \times 3333/3) \\
&:= 44/4 + ((4 \times 4 + 4) \times 444) \\
&:= 55/5 + 555 \times (55/5 + 5) \\
&:= (6 \times ((6 \times (6 \times (6 \times 6 + 6) - 6)) + 6)) - 6/6 \\
&:= 7/7 + (77 \times 777/7 + 7 \times 7 \times 7) \\
&:= 88/8 + (8888 - 8) \\
&:= 9 \times 999 - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8896 &:= (1+1)^{1+1+1} \times (1+1111) \\
&:= 2 \times 2 \times (2222 + 2) \\
&:= (3 \times 3 - 3/3) \times ((3333 + 3)/3) \\
&:= 4 \times ((4/4 + 4) \times 444 + 4) \\
&:= (55/5 + 5) \times (555 + 5/5) \\
&:= ((6+6)/6 + 6) \times (6666 + 6)/6 \\
&:= (7/7 + 7) \times (7777 + 7)/7 \\
&:= 8 + 8888 \\
&:= (9 - 9/9) \times (9999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8887 &:= (1111 \times (1+1)^{1+1+1}) - 1 \\
&:= (2 \times (2 \times 2222)) - 2/2 \\
&:= 3 + ((3 \times (3 \times ((3 \times (333 - 3)) - 3))) + 3/3) \\
&:= ((4+4) \times 4444/4) - 4/4 \\
&:= (5/5 + 5)^5 + 5555/5 \\
&:= (6^{6-6/6}) + (6666/6) \\
&:= 7 + ((7/7 + 7) \times (7777 - 7)/7) \\
&:= 8888 - 8/8 \\
&:= 9999 - (9999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8892 &:= (1+1) \times ((1+1) \times (1 + ((1+1) \times 1111))) \\
&:= 2 \times ((2 \times 2222) + 2) \\
&:= 3 \times (3 \times 3 \times 333 - 33) \\
&:= 4 + ((4+4) \times 4444/4) \\
&:= 5 + (5555/5 + (5/5 + 5)^5) \\
&:= 6 \times ((6 \times (6 \times (6 \times 6 + 6) - 6)) + 6) \\
&:= (7/7 - 77) \times (((7 - 777)/7) - 7) \\
&:= 8888 + 8 \times 8/(8+8) \\
&:= 9 \times 999 - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8897 &:= 1 + ((1+1)^{1+1+1} \times (1+1111)) \\
&:= 2/2 + (2 \times 2 \times (2222 + 2)) \\
&:= 3 \times 3 + ((3 \times 3 - 3/3) \times 3333/3) \\
&:= 4 \times 4 + (((4 \times 4 + 4) \times 444) + 4/4) \\
&:= 5 + ((5555/5 + (5/5 + 5)^5) + 5) \\
&:= (6 \times 6 - 6/6 + 6) \times (6 \times 6 \times 6 + 6/6) \\
&:= 77 + ((77 - 7) \times (77 + 7 \times 7)) \\
&:= 8 + (8888 + 8/8) \\
&:= 9 + ((9 - 9/9) \times 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8898 &:= 1 + (1 + ((1 + 1)^{1+1+1} \times (1 + 1111))) \\
&:= 2 + (2 \times 2 \times (2222 + 2)) \\
&:= (3^3 \times (333 - 3)) - (3 \times 3 + 3) \\
&:= (4 + 4) / 4 \times ((4444 + 4 / 4) + 4) \\
&:= (5 / 5 + 5)^5 + ((5555 + 55) / 5) \\
&:= 6 + (6 \times ((6 \times (6 \times (6 \times 6 + 6) - 6)) + 6)) \\
&:= 7 / 7 + (((77 - 7) \times (77 + 7 \times 7)) + 77) \\
&:= 8 + (8888 + ((8 + 8) / 8)) \\
&:= (9 \times (999 - 9)) - (99 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8899 &:= 11 + (1111 \times (1 + 1)^{1+1+1}) \\
&:= 22 / 2 + (2 \times (2 \times 2222)) \\
&:= (3^3 \times (333 - 3)) - 33 / 3 \\
&:= 44 / 4 + ((4 + 4) \times 4444 / 4) \\
&:= 5^5 + ((55 \times (5 \times (5 \times 5 - 5) + 5)) - 5 / 5) \\
&:= 6 + (((6666 / 6) + (6^{6-6/6})) + 6) \\
&:= 7 + ((7 / 7 - 77) \times ((7 - 777) / 7) - 7) \\
&:= 88 / 8 + 8888 \\
&:= (9 \times (999 - 9)) - 99 / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8900 &:= 1 + (11 + (1111 \times (1 + 1)^{1+1+1})) \\
&:= 2 \times (2 \times (2222 + 2) + 2) \\
&:= ((3 - 33) / 3) + (3^3 \times (333 - 3)) \\
&:= (4 / 4 + 4) \times (4 \times 444 + 4) \\
&:= 5 \times (((5 \times (5 - 5 \times 55)) + 5^5) + 5) \\
&:= 6 + (((6 + 6) / 6 + 6) \times (6666 / 6) + 6) \\
&:= (7 \times (7 + 7) \times (77 + 7 + 7)) - (77 / 7 + 7) \\
&:= ((88 + 8) / 8) + 8888 \\
&:= (9 / 9 + 9) \times (9 \times 99 - 9 / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8901 &:= (11 - 1 - 1) \times ((11 - 1)^{1+1+1} - 11) \\
&:= 2 + ((2 \times (2 \times 2222)) + 22 / 2) \\
&:= 3 \times ((3 \times (3 \times (333 - 3))) - 3) \\
&:= 4 / 4 + ((4 / 4 + 4) \times (4 \times 444 + 4)) \\
&:= 5 + ((55 / 5 + 5) \times (555 + 5 / 5)) \\
&:= 6 + ((6 + 6) \times (666 + 66) + 666 / 6) \\
&:= 7 \times 7 \times 7 + (77 / 7 \times (777 + 7 / 7)) \\
&:= 8888 + (88 + 8 + 8) / 8 \\
&:= (9 \times (999 - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8902 &:= 1 + ((11 - 1 - 1) \times ((11 - 1)^{1+1+1} - 11)) \\
&:= 2 + (2 \times (2 \times (2222 + 2) + 2)) \\
&:= 3 + ((3^3 \times (333 - 3)) - 33 / 3) \\
&:= 4 + ((4 + 4) / 4 \times ((4444 + 4 / 4) + 4)) \\
&:= 5 + (((5555 / 5 + (5 / 5 + 5)^5) + 5) + 5) \\
&:= 6 + (((6 + 6) / 6 + 6) \times (6666 + 6) / 6) \\
&:= 7 + (((7 / 7 + 7) \times 7777 / 7) + 7) \\
&:= 8 + (8888 - ((8 + 8) / 8) + 8) \\
&:= 9 / 9 + ((9 \times (999 - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8903 &:= ((1 + 1)^{1+1+1} \times (1 + (1 + 1111))) - 1 \\
&:= 22 / 2 + (2 \times ((2 \times 2222) + 2)) \\
&:= (3^3 \times (333 - 3)) - (3 / 3 + 3 + 3) \\
&:= 4 + (((4 + 4) \times 4444 / 4) + 44 / 4) \\
&:= (5 \times 5 - 5 / 5 + 5) \times (5^5 - 55) / (5 + 5) \\
&:= 6 + ((6 \times 6 - 6 / 6 + 6) \times (6 \times 6 \times 6 + 6 / 6)) \\
&:= 7 + ((7 / 7 + 7) \times (7777 + 7) / 7) \\
&:= 8 + ((8888 - 8 / 8) + 8) \\
&:= (9 + 9) / 9 + ((9 \times (999 - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8904 &:= (1 + 1)^{1+1+1} \times (1 + (1 + 1111)) \\
&:= 2 \times (2 \times (2222 + 2) + 2) \\
&:= (3^3 \times (333 - 3)) - 3 - 3 \\
&:= 4 + ((4 / 4 + 4) \times (4 \times 444 + 4)) \\
&:= ((5 - 5 / 5 + 5) + 5) \times ((55 + 5^5) / 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times (6 \times 6 + 6) - 6)) + 6)) + 6) \\
&:= (7 + 7) \times ((7 \times (77 + 7 + 7)) - 7 / 7) \\
&:= 8 + (8888 + 8) \\
&:= (9 - 9 / 9) \times ((9999 + 9) + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8905 &:= 1 + ((1 + 1)^{1+1+1} \times (1 + (1 + 1111))) \\
&:= 2 / 2 + (2 \times (2 \times (2222 + 2 + 2))) \\
&:= 3 / 3 + ((3^3 \times (333 - 3)) - (3 + 3)) \\
&:= (4 / 4 + 4) \times ((4 \times 444 + 4 / 4) + 4) \\
&:= 5 \times 5 + 555 \times (55 / 5 + 5) \\
&:= (6 / 6 - 66) \times ((6 / 6 - (6 + 6) \times (6 + 6)) + 6) \\
&:= (7 - 7 / 7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7 / 7) \\
&:= 8 + ((8888 + 8 / 8) + 8) \\
&:= 9 + ((9 - 9 / 9) \times (9999 + 9) / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8906 &:= 1 + (1 + ((1 + 1)^{1+1+1} \times (1 + (1 + 1111)))) \\
&:= 2 + (2 \times (2 \times (2222 + 2 + 2))) \\
&:= (3^3 \times (333 - 3)) - (3 / 3 + 3) \\
&:= ((4 - 4 / 4)^4 \times (444 - 4) / 4) - 4 \\
&:= 5 + (((55 / 5 + 5) \times (555 + 5 / 5)) + 5) \\
&:= (66 + 6 / 6 + 6) \times ((666 + 66) / 6) \\
&:= (7 \times (7 + 7) \times (77 + 7 + 7)) - (77 + 7) / 7 \\
&:= 8 + ((8888 + ((8 + 8) / 8)) + 8) \\
&:= 9 + (((9 - 9 / 9) \times 9999 / 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8907 &:= 11 + ((1 + 1)^{1+1+1} \times (1 + 1111)) \\
&:= 22 / 2 + (2 \times 2 \times (2222 + 2)) \\
&:= (3^3 \times (333 - 3)) - 3 \\
&:= 4 \times 4 + (((4 \times 4 + 4) \times 444) + 44 / 4) \\
&:= ((55 / 5 + 5) \times (555 + (5 + 5) / 5)) - 5 \\
&:= 6 + (((6 + 6) \times (666 + 66) + 666 / 6) + 6) \\
&:= (7 \times (7 + 7) \times (77 + 7 + 7)) - 77 / 7 \\
&:= 8 + (8888 + (88 / 8)) \\
&:= (9 \times (999 - 9)) - (9 + 9 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8908 &:= ((111 - 1) \times (11 - 1 - 1)^{1+1}) - 1 - 1 \\
&:= 2 \times ((2 \times (2222 + 2 + 2)) + 2) \\
&:= 3 / 3 + ((3^3 \times (333 - 3)) - 3) \\
&:= 4 + (((4 / 4 + 4) \times (4 \times 444 + 4)) + 4) \\
&:= 5 + ((5 \times 5 - 5 / 5 + 5) \times (5^5 - 55) / (5 + 5)) \\
&:= ((6 + 6) / 6 + 66) \times (66 - 6 / 6 + 66) \\
&:= ((7 - 77) / 7) + (7 \times (7 + 7) \times (77 + 7 + 7)) \\
&:= 8 + (((88 + 8) / 8) + 8888) \\
&:= (9 \times (999 - 9)) - (9 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8909 &:= ((111 - 1) \times (11 - 1 - 1)^{1+1}) - 1 \\
&:= 22 + ((2 \times (2 \times 2222)) - 2 / 2) \\
&:= (3^3 \times (333 - 3)) - 3 / 3 \\
&:= 4 + ((4 / 4 + 4) \times ((4 \times 444 + 4 / 4) + 4)) \\
&:= 5 + (((5 - 5 / 5 + 5) + 5) \times ((55 + 5^5) / 5)) \\
&:= 6 + (((6 \times 6 - 6 / 6 + 6) \times (6 \times 6 \times 6 + 6 / 6)) + 6) \\
&:= 7 + (((7 / 7 + 7) \times 7777 / 7) + 7) + 7 \\
&:= 8 + ((88 + 8 + 8) / 8 + 8888) \\
&:= (9 \times (999 - 9)) - 9 / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8910 &:= (111 - 1) \times (11 - 1 - 1)^{1+1} \\
&:= 22 + (2 \times (2 \times 2222)) \\
&:= 3^3 \times (333 - 3) \\
&:= (4 - 4 / 4)^4 \times (444 - 4) / 4 \\
&:= 5 + (555 \times (55 / 5 + 5) + 5 \times 5) \\
&:= 66 + ((66 + 66) \times (66 + 6 / 6)) \\
&:= (77 - 77 / 7) \times (((7 + 7) / 7)^7 + 7) \\
&:= 8888 + (88 + 88) / 8 \\
&:= 9 \times (999 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8911 &:= 1 + ((111 - 1) \times (11 - 1 - 1)^{1+1}) \\
&:= 22 + ((2 \times (2 \times 2222)) + 2 / 2) \\
&:= 3 / 3 + (3^3 \times (333 - 3)) \\
&:= 4 / 4 + ((4 - 4 / 4)^4 \times (444 - 4) / 4) \\
&:= 555 / 5 + (5 \times (55 \times ((5 + 5) / 5)^5)) \\
&:= (66 + 6 / 6) \times (66 + 6 / 6 + 66) \\
&:= (7 \times (7 + 7) \times (77 + 7 + 7)) - 7 \\
&:= 8 + (((8888 - 8 / 8) + 8) + 8) \\
&:= 9 / 9 + (9 \times (999 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8912 &:= 1 + (1 + ((111 - 1) \times (11 - 1 - 1)^{1+1})) \\
&:= 2 + ((2 \times (2 \times 2222)) + 22) \\
&:= 3 + ((3^3 \times (333 - 3)) - 3 / 3) \\
&:= 4 \times (((4 / 4 + 4) \times 444 + 4) + 4) \\
&:= (55 / 5 + 5) \times (555 + (5 + 5) / 5) \\
&:= 6 + ((66 + 6 / 6 + 6) \times ((666 + 66) / 6)) \\
&:= 7 / 7 + ((7 \times (7 + 7) \times (77 + 7 + 7)) - 7) \\
&:= 8 + ((8888 + 8) + 8) \\
&:= (9 + 9) / 9 + (9 \times (999 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8913 &:= 1 + (1 + (1 + ((111 - 1) \times (11 - 1 - 1)^{1+1}))) \\
&:= 2 + (((2 \times (2 \times 2222)) + 22) + 2/2) \\
&:= 3 + (3^3 \times (333 - 3)) \\
&:= 44 + (((4 \times 4 + 4) \times 444) - 44/4) \\
&:= 5 \times 5 + ((5555 + 5)/5 + (5/5 + 5)^5) \\
&:= (6 + 6)/6 + ((66 + 6/6) \times (66 + 6/6 + 66)) \\
&:= (7 + 7)/7 + ((7 \times (7 + 7) \times (77 + 7 + 7)) - 7) \\
&:= 8 + (((8888 + 8/8) + 8) + 8) \\
&:= (9 + 9 + 9)/9 + (9 \times (999 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8914 &:= 11111 - ((1 + 1 + 11)^{1+1+1}) \\
&:= 22 + (2 \times ((2 \times 2222) + 2)) \\
&:= 3 + ((3^3 \times (333 - 3)) + 3/3) \\
&:= 4 + ((4 - 4/4)^4 \times (444 - 4)/4) \\
&:= 5 + (((5 - 5/5 + 5) + 5) \times ((55 + 5^5)/5) + 5) \\
&:= 6 + (((6 + 6)/6 + 66) \times (66 - 6/6 + 66)) \\
&:= 7 + ((7 \times (7 + 7) \times (77 + 7 + 7)) - (77/7)) \\
&:= 8 + (((8888 + ((8 + 8)/8)) + 8) + 8) \\
&:= (9 \times (999 - 9)) + ((9 \times 9 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8915 &:= 1 + (11111 - ((1 + 1 + 11)^{1+1+1})) \\
&:= 22 + ((2 \times ((2 \times 2222) + 2)) + 2/2) \\
&:= 3 + (((3^3 \times (333 - 3)) - 3/3) + 3) \\
&:= (4/4 + 4) \times (((4 \times 444 - 4/4) + 4) + 4) \\
&:= 5 + ((555 \times (55/5 + 5) + 5 \times 5) + 5) \\
&:= 66 + ((6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) - (6/6 + 6)) \\
&:= (7 \times (7 + 7) \times (77 + 7 + 7)) - (7 + 7 + 7)/7 \\
&:= 8 + ((8888 + (88/8)) + 8) \\
&:= (9 \times (999 - 9)) + ((9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8916 &:= 1 + (1 + (11111 - ((1 + 1 + 11)^{1+1+1}))) \\
&:= 2 + ((2 \times ((2 \times 2222) + 2)) + 22) \\
&:= 3 + ((3^3 \times (333 - 3)) + 3) \\
&:= ((4 \times 4 + 4) \times (444 + 4)) - 44 \\
&:= (5/5 + 5) \times (5 \times 5 \times 55 + 555/5) \\
&:= 66 + ((6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) - 6) \\
&:= (7 \times (7 + 7) \times (77 + 7 + 7)) - (7 + 7)/7 \\
&:= 8 + (((88 + 8)/8) + 8888) + 8 \\
&:= 9 + ((9 \times (999 - 9)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8917 &:= (111/(1 + 1 + 1)) \times (((1 + 1) \times 11^{1+1}) - 1) \\
&:= 22 + ((2 \times 2 \times (2222 + 2)) - 2/2) \\
&:= 3 + (((3^3 \times (333 - 3)) + 3/3) + 3) \\
&:= 4/4 + (((4 \times 4 + 4) \times (444 + 4)) - 44) \\
&:= 5 + ((55/5 + 5) \times (555 + (5 + 5)/5)) \\
&:= 6 + ((66 + 6/6) \times (66 + 6/6 + 66)) \\
&:= (7 \times (7 + 7) \times (77 + 7 + 7)) - 7/7 \\
&:= 8 + (((88 + 8 + 8)/8 + 8888) + 8) \\
&:= 9 + ((9 \times (999 - 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8918 &:= (1 + 1) \times (11 + ((1 + 1) \times ((1 + 1) \times (1 + 1111)))) \\
&:= 22 + (2 \times 2 \times (2222 + 2)) \\
&:= (3^3 - 3/3) \times ((3/3 + 3 + 3)^3) \\
&:= 4 + (((4 - 4/4)^4 \times (444 - 4)/4) + 4) \\
&:= ((5 - 5/5 + 5) + 5) \times ((55 + 5^5 + 5)/5) \\
&:= 6 \times 6 + (((6 + 6)/6 + 6) \times (6666/6)) - 6 \\
&:= 7 \times (7 + 7) \times (77 + 7 + 7) \\
&:= 8 + ((88 + 88)/8 + 8888) \\
&:= 9 + ((9 \times (999 - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8919 &:= (11 - 1 - 1) \times (1 + ((11 - 1 - 1) \times (111 - 1))) \\
&:= ((22 - 2) \times (2 \times 222 + 2)) - 2/2 \\
&:= 3 \times ((3 \times (3 \times (333 - 3))) + 3) \\
&:= ((4 + 4) \times (4444/4 + 4)) - 4/4 \\
&:= 55 + ((55/5 + 5) \times (555 - 5/5)) \\
&:= (6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) - (666/6 + 6) \\
&:= 7/7 + (7 \times (7 + 7) \times (77 + 7 + 7)) \\
&:= 8 + (((8888 - 8/8) + 8) + 8) + 8 \\
&:= 9 + (9 \times (999 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8920 &:= (11 - 1) \times (1 + (11 \times (11 - 1 - 1)^{1+1})) \\
&:= (22 - 2) \times (2 \times 222 + 2) \\
&:= 3 \times 3 + ((3^3 \times (333 - 3)) + 3/3) \\
&:= (4 + 4) \times (4444/4 + 4) \\
&:= 5^5 + ((5 + 5) \times (555 + 5 \times 5) - 5) \\
&:= ((6 + 6)/6)^6 + (6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) \\
&:= (7 + 7)/7 + (7 \times (7 + 7) \times (77 + 7 + 7)) \\
&:= 8 + (((8888 + 8) + 8) + 8) \\
&:= 9 + ((9 \times (999 - 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8921 &:= 11 + ((111 - 1) \times (11 - 1 - 1)^{1+1}) \\
&:= 2/2 + ((22 - 2) \times (2 \times 222 + 2)) \\
&:= 33/3 + (3^3 \times (333 - 3)) \\
&:= 4/4 + ((4 + 4) \times (4444/4 + 4)) \\
&:= 5 \times 5 + ((55/5 + 5) \times (555 + 5/5)) \\
&:= 66 + ((6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) - 6/6) \\
&:= (7 + 7 + 7)/7 + (7 \times (7 + 7) \times (77 + 7 + 7)) \\
&:= 8 + (((8888 + 8/8) + 8) + 8) + 8 \\
&:= 99/9 + (9 \times (999 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8922 &:= 1 + (11 + ((111 - 1) \times (11 - 1 - 1)^{1+1})) \\
&:= 2 + ((22 - 2) \times (2 \times 222 + 2)) \\
&:= 3 + ((3^3 \times (333 - 3)) + 3 \times 3) \\
&:= 44 + (((4 \times 4 + 4) \times 444) - (4 + 4)/4) \\
&:= 5 + (((55/5 + 5) \times (555 + (5 + 5)/5)) + 5) \\
&:= 66 + (6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) \\
&:= 77/7 + ((7 \times (7 + 7) \times (77 + 7 + 7)) - 7) \\
&:= 8 + (((8888 + ((8 + 8)/8)) + 8) + 8) + 8 \\
&:= (99 + 9)/9 + (9 \times (999 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8923 &:= 1 + (1 + (11 + ((111 - 1) \times (11 - 1 - 1)^{1+1}))) \\
&:= 2 + (((22 - 2) \times (2 \times 222 + 2)) + 2/2) \\
&:= 3 + (((3^3 \times (333 - 3)) + 3 \times 3) + 3/3) \\
&:= 44 + (((4 \times 4 + 4) \times 444) - 4/4) \\
&:= 5^5 + (((5 - (5 + 5)/5)^5) + 5555) \\
&:= 6 \times 6 + ((6666/6) + (6^{6-6/6})) \\
&:= 7 + ((7 \times (7 + 7) \times (77 + 7 + 7)) - ((7 + 7)/7)) \\
&:= 8 + (((8888 + (88/8)) + 8) + 8) \\
&:= (9 \times (999 - 9)) + ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8924 &:= (1 + 1) \times ((1 + 1) \times (11 + ((1 + 1) \times (1111 - 1)))) \\
&:= 2 \times ((2 \times (2222 - 2)) + 22) \\
&:= 3 + ((3^3 \times (333 - 3)) + 33/3) \\
&:= 44 + ((4 \times 4 + 4) \times 444) \\
&:= 5^5 + ((5 + 5) \times (555 + 5 \times 5) - 5/5) \\
&:= 6 \times 6 + (((6 + 6)/6 + 6) \times (6666/6)) \\
&:= 7 + ((7 \times (7 + 7) \times (77 + 7 + 7)) - 7/7) \\
&:= 8888 + ((8 \times 8 + 8)/(8 + 8)/8) \\
&:= ((99/9) + 9 \times 9) \times (99 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8925 &:= 1 + ((1 + 1) \times ((1 + 1) \times (11 + ((1 + 1) \times (1111 - 1)))))) \\
&:= 2/2 + (2 \times ((2 \times (2222 - 2)) + 22)) \\
&:= (((3 \times (3 + 3)) + 3)^3) - 333 - 3 \\
&:= 44 + (((4 \times 4 + 4) \times 444) + 4/4) \\
&:= 5 \times ((55 \times ((5 + 5)/5)^5) + 5 \times 5) \\
&:= (6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) - 666/6 \\
&:= 7 + (7 \times (7 + 7) \times (77 + 7 + 7)) \\
&:= 8888 + 888/(8 + 8 + 8) \\
&:= 9 + (((9 \times (999 - 9)) - ((9 + 9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8926 &:= (1 + 1) \times (1 + ((1 + 1) \times (11 + ((1 + 1) \times (1111 - 1)))))) \\
&:= 2 + (2 \times ((2 \times (2222 - 2)) + 22)) \\
&:= 3^3 + ((3^3 \times (333 - 3)) - 33/3) \\
&:= 4 \times 4 + ((4 - 4/4)^4 \times (444 - 4)/4) \\
&:= 5^5 + ((5 + 5) \times (555 + 5 \times 5) + 5/5) \\
&:= 6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6) - 6))) + ((6 + 6)/6)^6) \\
&:= 7 + ((7 \times (7 + 7) \times (77 + 7 + 7)) + 7/7) \\
&:= 8 + (((88 + 88)/8 + 8888) + 8) \\
&:= 9 + (((9 \times (999 - 9)) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8927 &:= (1 + 1 + 111) \times ((11 - 1 - 1)^{1+1} - (1 + 1)) \\
&:= (222/2 + 2) \times ((2/2 + 2)^{2+2} - 2) \\
&:= (3^3 \times 333) - ((3/3 + 3)^3) \\
&:= ((4 \times (4 + 4) + 4) \times (4^4 - 4 - 4)) - 4/4 \\
&:= 5^5 + ((5 + 5) \times (555 + 5 \times 5) + ((5 + 5)/5)) \\
&:= 6 \times 6 \times 6 + (66 \times (66 + 66) - 6/6) \\
&:= 7 + ((7 \times (7 + 7) \times (77 + 7 + 7)) + ((7 + 7)/7)) \\
&:= 8 + (((8888 - 8/8) + 8) + 8) + 8 \\
&:= 9 + (((9 \times (999 - 9)) - 9/9) + 9)
\end{aligned}$$

- 8928 := $(1+1) \times ((1+1) \times (11 + (((1+1) \times 1111) - 1)))$
:= $2 \times (((2 \times 2222) - 2) + 22)$
:= $((3 \times (3+3) + 3)^3) - 333$
:= $(4 \times (4+4) + 4) \times (4^4 - 4 - 4)$
:= $((5+5)/5)^5 \times ((5 \times 55 - 5/5) + 5)$
:= $6 \times (((6 \times (6 \times (6 \times 6 + 6) - 6)) + 6) + 6)$
:= $(7/7 + 7) \times (((7777 - 7 - 7)/7) + 7)$
:= $8 + (((8888 + 8) + 8) + 8) + 8$
:= $9 + ((9 \times (999 - 9)) + 9)$
- 8933 := $1 + ((1+1) \times ((1+1) \times (11 + ((1+1) \times 1111))))$
:= $2/2 + (2 \times ((2 \times 2222) + 22))$
:= $3 + (((3^3 \times 333) - ((3/3 + 3)^3)) + 3)$
:= $4 + (((4 \times (4+4) + 4) \times (4^4 - 4 - 4)) + 4/4)$
:= $5 + (((5+5)/5)^5 \times ((5 \times 55 - 5/5) + 5))$
:= $6 + ((66 \times (66 + 66) - 6/6) + 6 \times 6 \times 6)$
:= $7 + (((7 \times (7+7) \times (77 + 7 + 7)) + 7/7) + 7)$
:= $8 \times 8 + (8888 - (88/8 + 8))$
:= $9 + (((99/9) + 9 \times 9) \times (99 - ((9+9)/9)))$
- 8938 := $(111 - 1 - 1) \times (1 + (11 - 1 - 1)^{1+1})$
:= $2 + (2 \times (((2 \times 2222) + 22) + 2))$
:= $3^3 + ((3^3 \times (333 - 3)) + 3/3)$
:= $4 + (((4+4)/4 \times (4444 + 4/4)) + 44)$
:= $5 + (((5+5)/5)^5 \times ((5 \times 55 - 5/5) + 5)) + 5$
:= $(6 \times 6 - 6/6 + 6) \times (6 \times 6 \times 6 + (6+6)/6)$
:= $7 + ((7 - 7/7 + 7) \times ((7 \times 7 \times (7+7)) + 7/7))$
:= $8 \times 8 + (8888 - (8+8)) + ((8+8)/8)$
:= $(9/9 + 9 \times 9) \times (9/9 + 99 + 9)$
- 8929 := $1 + ((1+1) \times ((1+1) \times (11 + (((1+1) \times 1111) - 1))))$
:= $2/2 + (2 \times (((2 \times 2222) - 2) + 22))$
:= $3/3 + (((3 \times (3+3) + 3)^3) - 333)$
:= $4/4 + ((4 \times (4+4) + 4) \times (4^4 - 4 - 4))$
:= $5 + (((5+5) \times (555 + 5 \times 5) - 5/5) + 5^5)$
:= $6/6 + (66 \times (66 + 66) + 6 \times 6 \times 6)$
:= $77/7 + (7 \times (7+7) \times (77 + 7 + 7))$
:= $8 + (((8888 + 8/8) + 8) + 8) + 8$
:= $9 + (((9 \times (999 - 9)) + 9/9) + 9)$
- 8934 := $(1+1) \times (1 + ((1+1) \times (11 + ((1+1) \times 1111))))$
:= $2 + (2 \times ((2 \times 2222) + 22))$
:= $3^3 + ((3^3 \times (333 - 3)) - 3)$
:= $44 + ((4+4)/4 \times (4444 + 4/4))$
:= $55 + (555 \times (55/5 + 5) - 5/5)$
:= $6 + (66 \times (66 + 66) + 6 \times 6 \times 6)$
:= $7 + (((7 \times (7+7) \times (77 + 7 + 7)) + (7+7)/7) + 7)$
:= $8 \times 8 + (((8 - 88)/8 - 8) + 8888)$
:= $9 \times 999 - (((9+9)/9)^9) + 9/9/9$
- 8939 := $1 + ((111 - 1 - 1) \times (1 + (11 - 1 - 1)^{1+1}))$
:= $(2 \times (2 \times (2222 + 2) + 22)) - 2/2$
:= $3 + (((3^3 \times (333 - 3)) - 3/3) + 3^3)$
:= $4 + ((4/4 + 4) \times (4 \times 444 + 4/4))$
:= $5^5 + ((5/5 + 5) \times ((5 - 5/5)^5 - 55))$
:= $6 \times 6 \times 6 + (66 \times (66 + 66) + (66/6))$
:= $7 + (((7 \times (7+7) \times (77 + 7 + 7)) + 7) + 7)$
:= $8 \times 8 + 8888 - (88 + 8 + 8)/8$
:= $9 + (((9 \times (999 - 9)) + (99/9)) + 9)$
- 8930 := $(1+1) \times (((1+1) \times (11 + ((1+1) \times 1111))) - 1)$
:= $(2 \times ((2 \times 2222) + 22)) - 2$
:= $3 + ((3^3 \times 333) - ((3/3 + 3)^3))$
:= $44 + ((4+4)/4 \times (4444 - 4/4))$
:= $5 + ((5+5) \times (555 + 5 \times 5) + 5^5)$
:= $((6+6)/6 + 6) \times ((6666/6) + 6) - 6$
:= $7 \times 7 + (((7/7 + 7) \times 7777/7) - 7)$
:= $8 \times 8 + (8888 - (88 + 88)/8)$
:= $9 + ((9 \times (999 - 9)) + (99/9))$
- 8935 := $1 + ((1+1) \times (1 + ((1+1) \times (11 + ((1+1) \times 1111))))$
:= $2 + ((2 \times ((2 \times 2222) + 22)) + 2/2)$
:= $3^3 + (((3^3 \times (333 - 3)) - 3) + 3/3)$
:= $(4/4 + 4) \times (4 \times 444 + 4/4)$
:= $55 + 555 \times (55/5 + 5)$
:= $6 + ((66 \times (66 + 66) + 6 \times 6 \times 6) + 6/6)$
:= $7 + ((7 \times (7+7) \times (77 + 7 + 7)) + ((77 - 7)/7))$
:= $8 \times 8 + (8888 - (8/8 + 8 + 8))$
:= $9 \times 999 - ((999 + 9)/(9 + 9))$
- 8940 := $(1+1) \times ((1+1) \times (11 + ((1+1) \times (1 + 1111))))$
:= $2 \times (2 \times (2222 + 2) + 22)$
:= $3 + ((3^3 \times (333 - 3)) + 3^3)$
:= $(4/4 + 4) \times ((4 \times (444 + 4)) - 4)$
:= $(55 + 5) \times (5 \times (5 \times 5 + 5) - 5/5)$
:= $(6 - 66) \times ((66 - 6 \times 6 \times 6) + 6/6)$
:= $(7/7 + 7 + 7) \times ((7 \times (77 + 7) + 7/7) + 7)$
:= $8 + ((88/(8+8)/8) + 8888)$
:= $(9/9 + 9) \times (((9+9+9)/9) + 9 \times 99)$
- 8931 := $((1+1) \times ((1+1) \times (11 + ((1+1) \times 1111)))) - 1$
:= $(2 \times ((2 \times 2222) + 22)) - 2/2$
:= $3 + (((3 \times (3+3) + 3)^3) - 333)$
:= $4 + (((4 \times (4+4) + 4) \times (4^4 - 4 - 4)) - 4/4)$
:= $55 + (55 \times (5 \times 5 - 5) + (5/5 + 5)^5)$
:= $666/6 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6))$
:= $(7 - 7/7 + 7) \times ((7 \times 7 \times (7+7)) + 7/7)$
:= $8 + (((8888 + (88/8)) + 8) + 8) + 8$
:= $9 + ((9 \times (999 - 9)) + (99 + 9)/9)$
- 8936 := $(1+1) \times ((1+1) \times (1 + (11 + ((1+1) \times 1111))))$
:= $2 \times (((2 \times 2222) + 22) + 2)$
:= $3^3 + ((3^3 \times (333 - 3)) - 3/3)$
:= $4 + (((4 \times (4+4) + 4) \times (4^4 - 4 - 4)) + 4)$
:= $55 + (555 \times (55/5 + 5) + 5/5)$
:= $((6+6)/6 + 6) \times ((6666/6) + 6)$
:= $(7/7 + 7) \times ((7777 - 7)/7 + 7)$
:= $8 \times 8 + (8888 - (8 + 8))$
:= $9 + (((9 \times (999 - 9)) - 9/9) + 9) + 9$
- 8941 := $(11 \times (111 \times (11 - 1 - 1))) - (1 + 1)^{11}$
:= $2/2 + (2 \times (2 \times (2222 + 2) + 22))$
:= $3 + (((3^3 \times (333 - 3)) + 3^3) + 3/3)$
:= $4/4 + ((4/4 + 4) \times ((4 \times (444 + 4)) - 4))$
:= $5/5 + ((55 + 5) \times (5 \times (5 \times 5 + 5) - 5/5))$
:= $6/6 + ((6 - 66) \times ((66 - 6 \times 6 \times 6) + 6/6))$
:= $7 \times 7 + ((7/7 - 77) \times (((7 - 777)/7) - 7))$
:= $8 \times 8 + (8888 - (88/8))$
:= $9 \times 999 - ((9 \times 99 + 9)/(9 + 9))$
- 8932 := $(1+1) \times ((1+1) \times (11 + ((1+1) \times 1111)))$
:= $2 \times (2 \times 2222) + 22$
:= $3 + (((3 \times (3+3) + 3)^3) - 333) + 3/3$
:= $4 + ((4 \times (4+4) + 4) \times (4^4 - 4 - 4))$
:= $(5 \times 5 - 5/5 + 5) \times ((5^5 + 5)/(5 + 5) - 5)$
:= $(66/6 + 66) \times (((666 - 6)/6) + 6)$
:= $7 + ((7 \times (7+7) \times (77 + 7 + 7)) + 7)$
:= $8888 + (88/(8+8)/8)$
:= $99/9 \times (9 \times (9 \times 9 + 9) + ((9+9)/9))$
- 8937 := $((111 - 1 - 1) \times (1 + (11 - 1 - 1)^{1+1})) - 1$
:= $2/2 + (2 \times (((2 \times 2222) + 22) + 2))$
:= $3 \times (3 \times ((3 \times (333 - 3)) + 3))$
:= $(4/4 + 4 + 4) \times ((4 \times (4^4 - 4 - 4)) + 4/4)$
:= $5 + ((5 \times 5 - 5/5 + 5) \times ((5^5 + 5)/(5 + 5) - 5))$
:= $6 + (((6 \times 6 + 6) \times (6 \times 6 \times 6 - 6)) + 666/6)$
:= $7 \times 7 + ((7/7 + 7) \times 7777/7)$
:= $8/8 + ((8888 - (8 + 8)) + 8 \times 8)$
:= $9 + (((9 \times (999 - 9)) + 9) + 9)$
- 8942 := $11111 - (11^{1+1} + (1+1)^{11})$
:= $2 + (2 \times (2 \times (2222 + 2) + 22))$
:= $33 + ((3^3 \times (333 - 3)) - 3/3)$
:= $(4^4 - 4 - 4)/4 + ((4 \times 4 + 4) \times 444)$
:= $55 + (5555/5 + (5/5 + 5)^5)$
:= $6 + (((6+6)/6 + 6) \times ((6666/6) + 6))$
:= $((77 - 7) \times ((7+7)/7)^7) - (77/7 + 7)$
:= $8 \times 8 + ((8 - 88)/8 + 8888)$
:= $9 \times 999 + ((9 - 9 \times 99)/(9 + 9))$

$$\begin{aligned}
\blacktriangleright 8943 &:= 11 \times (((1+1) \times (11 \times (111/(1+1+1)))) - 1) \\
&:= 22/2 + (2 \times ((2 \times 2222) + 22)) \\
&:= 33 + (3^3 \times (333 - 3)) \\
&:= ((4^4 - 4)/4) + ((4 \times 4 + 4) \times 444) \\
&:= 55 + ((5555 + 5)/5 + (5/5 + 5)^5) \\
&:= 6 \times 66 + (666/6 \times (66/6 + 66)) \\
&:= 7 + ((7/7 + 7) \times ((7777 - 7)/7 + 7)) \\
&:= 8 \times 8 + (8888 - (8/8 + 8)) \\
&:= 99/9 \times (9 \times (9 \times 9 + 9) + ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8948 &:= (1+1) \times ((1+1) \times (11 + ((1+1) \times (1 + (1 + 1111)))))) \\
&:= 22^2 + ((2 \times (2 \times 22 + 2))^2) \\
&:= 3 + (((3 \times 3 + 33) \times ((3 + 3)^3 - 3)) - 3/3) \\
&:= 4 + ((44 + 4 + 4) \times (4 \times 44 - 4)) \\
&:= (5^5 - 5 - 5)/5 + ((5 + 5 + 5) \times 555) \\
&:= 6 + (((6 + 6)/6 + 6) \times ((6666/6) + 6)) + 6 \\
&:= ((7 + 7)/7)^7 + ((77 - 7) \times (77 + 7 \times 7)) \\
&:= 8 \times 8 + (8888 - 8 \times 8/(8 + 8)) \\
&:= 9 + (((9 \times (999 - 9)) + (99/9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8953 &:= 1 + (11111 - (111 + (1 + 1)^{11})) \\
&:= 2/2 + (2 \times (2 \times (2222 + 2^{2+2}))) \\
&:= (3^3 \times 333) - (33/3 + 3^3) \\
&:= 4 + (((4 \times 4 + 4) \times (444 + 4)) - 44/4) \\
&:= 5 + (((5 + 5 + 5) \times 555) + (5^5 - 5 - 5)/5) \\
&:= 66 + ((6666/6) + (6^{6-6/6})) \\
&:= ((77 - 7) \times ((7 + 7)/7)^7) - 7 \\
&:= 8/8 + (8888 + 8 \times 8) \\
&:= 9 \times 999 - ((99/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8944 &:= 1 + (11 \times (((1+1) \times (11 \times (111/(1+1+1)))) - 1)) \\
&:= 2 \times ((2 \times (2222 + 2) + 22) + 2) \\
&:= 3/3 + ((3^3 \times (333 - 3)) + 33) \\
&:= (44 + 4 + 4) \times (4 \times 44 - 4) \\
&:= (55/5 + 5) \times (555 - 5/5 + 5) \\
&:= ((6 + 6)/6 + 6) \times ((6666 + 6)/6 + 6) \\
&:= (7/7 + 7) \times (7777/7 + 7) \\
&:= 8 \times 8 + (8888 - 8) \\
&:= 9 + (9 \times 999 - ((999 + 9)/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8949 &:= ((1 + 111) \times ((11 - 1 - 1)^{1+1} - 1)) - 11 \\
&:= 2/2 + (((2 \times (2 \times 22 + 2))^2) + 22^2) \\
&:= 3 + ((3 \times 3 + 33) \times ((3 + 3)^3 - 3)) \\
&:= ((4 \times 4 + 4) \times (444 + 4)) - 44/4 \\
&:= (5^5 - 5)/5 + ((5 + 5 + 5) \times 555) \\
&:= (6 \times 6 \times 6 \times (6 \times 6 + 6)) - ((666/6 + 6) + 6) \\
&:= ((77 - 7) \times ((7 + 7)/7)^7) - 77/7 \\
&:= 8 + ((8888 - (88/8)) + 8 \times 8) \\
&:= 9 + ((9 \times (9 \times (99 + 9) + 9)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8954 &:= (1+1) \times (11 \times (11 \times (111/(1+1+1)))) \\
&:= 2 + (2 \times (2 \times (2222 + 2^{2+2}))) \\
&:= (3/3 + 33 + 3) \times ((3^{3+3} - 3)/3) \\
&:= 44 + ((4 - 4/4)^4 \times (444 - 4)/4) \\
&:= 5 + (((5 + 5 + 5) \times 555) + (5^5 - 5)/5) \\
&:= 66 + (((6 + 6)/6 + 6) \times (6666/6)) \\
&:= 7/7 + (((77 - 7) \times ((7 + 7)/7)^7) - 7) \\
&:= 8 \times 8 + (8888 + ((8 + 8)/8)) \\
&:= 9 \times 999 - ((9/9 + 9 + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8945 &:= (1+1)^{11-1} + ((111 - 11 - 11)^{1+1}) \\
&:= 2 + ((2 \times ((2 \times 2222) + 22)) + 22/2) \\
&:= ((3 \times 3 + 33) \times ((3 + 3)^3 - 3)) - 3/3 \\
&:= 4/4 + ((44 + 4 + 4) \times (4 \times 44 - 4)) \\
&:= (5 \times (5 \times 5 + 5) \times (55 + 5)) - 55 \\
&:= (6 - 6/6) \times ((6 - 6 \times 6) \times (6 - 66) - (66/6)) \\
&:= 7/7 + ((7/7 + 7) \times (7777/7 + 7)) \\
&:= 8/8 + ((8888 - 8) + 8 \times 8) \\
&:= 9 + (((9 \times (999 - 9)) - 9/9) + 9) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8950 &:= (11 - 1) \times (((1 + 111) \times (1 + 1)^{1+1+1}) - 1) \\
&:= 2 + (((2 \times (2 \times 22 + 2))^2) + 22^2) \\
&:= 3 + (((3 \times 3 + 33) \times ((3 + 3)^3 - 3)) + 3/3) \\
&:= (4/4 + 4) \times ((4 \times (444 + 4)) - (4 + 4)/4) \\
&:= 5 \times ((5 \times 5 + 5) \times (55 + 5) - (5 + 5)) \\
&:= 6 + (((6 + 6)/6 + 6) \times ((6666 + 6)/6 + 6)) \\
&:= ((7 - 77)/7) + ((77 - 7) \times ((7 + 7)/7)^7) \\
&:= 8 \times 8 + (8888 - ((8 + 8)/8)) \\
&:= 9 \times 999 - ((9 \times 9 \times 9 + 9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8955 &:= (1 + 1 + 1) \times (((1 + 1)^{1+11}) - 1111) \\
&:= 222/2 + (22 \times ((22 - 2)^2 + 2)) \\
&:= 3 \times (3 \times (3 \times 333 - 3) - 3) \\
&:= (4/4 + 4) \times ((4 \times (444 + 4)) - 4/4) \\
&:= 5^5 + (5555 + 5 \times 55) \\
&:= (6 \times 6 \times 6 \times (6 \times 6 + 6)) - (666/6 + 6) \\
&:= (7 + 7)/7 + (((77 - 7) \times ((7 + 7)/7)^7) - 7) \\
&:= 8 \times 8 + (8888 - 8) + (88/8) \\
&:= 9 \times 999 - ((9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8946 &:= (1+1) \times (((11 \times (11 \times 111 - 1)) - 1)/(1+1+1)) \\
&:= 22^2 + (((2 \times (2 \times 22 + 2))^2) - 2) \\
&:= (3 \times 3 + 33) \times ((3 + 3)^3 - 3) \\
&:= (4 + 4)/4 + ((44 + 4 + 4) \times (4 \times 44 - 4)) \\
&:= 5/5 + ((5 \times (5 \times 5 + 5) \times (55 + 5)) - 55) \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 \times 6 - (6 + 6 + 6)) \\
&:= (77 + 7 \times 7) \times ((7/7 - 7) + 77) \\
&:= 8 \times 8 + ((8888 - 8) + ((8 + 8)/8)) \\
&:= 9 + (((9 \times (999 - 9)) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8951 &:= 11111 - (1 + (111 + (1 + 1)^{11})) \\
&:= (2 \times (2 \times (2222 + 2^{2+2}))) - 2/2 \\
&:= 33 + ((3^3 - 3/3) \times ((3/3 + 3 + 3)^3)) \\
&:= 4 + (((4 - 4/4)^4 \times 444/4) - 44) \\
&:= (5^5 + 5)/5 + ((5 + 5 + 5) \times 555) \\
&:= (6 \times (6 \times (6 - 66))) + 66666/6 \\
&:= 7 + ((7/7 + 7) \times (7777/7 + 7)) \\
&:= 8 \times 8 + (8888 - 8/8) \\
&:= 9 \times 999 + ((9 - 9 \times 9 \times 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8956 &:= 1 + ((1 + 1 + 1) \times (((1 + 1)^{1+11}) - 1111)) \\
&:= 2 \times (((22 - 2) \times (222 + 2)) - 2) \\
&:= 3/3 + (3 \times (3 \times (3 \times 333 - 3) - 3)) \\
&:= ((4 \times 4 + 4) \times (444 + 4)) - 4 \\
&:= 5^5/5 + ((5/5 + 5)^5 + 555) \\
&:= ((6 + 6)/6)^6 + (6 \times ((6 \times (6 \times (6 \times 6 + 6) - 6)) + 6)) \\
&:= 7 + (((77 - 7) \times ((7 + 7)/7)^7) - (77/7)) \\
&:= 8 \times 8 + (8888 + 8 \times 8/(8 + 8)) \\
&:= 9/9 + (9 \times 999 - ((9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8947 &:= 111 + ((1 + (((1 + 1)^{11-1} - 1)/11))^{1+1}) \\
&:= 22^2 + (((2 \times (2 \times 22 + 2))^2) - 2/2) \\
&:= 3/3 + ((3 \times 3 + 33) \times ((3 + 3)^3 - 3)) \\
&:= ((4 - 4/4)^4 \times 444/4) - 44 \\
&:= 5 + ((5555/5 + (5/5 + 5)^5) + 55) \\
&:= ((66/6 + 6) + 6) \times (6 \times 66 - (6/6 + 6)) \\
&:= 7/7 + ((77 + 7 \times 7) \times ((7/7 - 7) + 77)) \\
&:= 8 \times 8 + ((8888 - (8 + 8)) + (88/8)) \\
&:= 9 + ((9/9 + 9 \times 9) \times (9/9 + 99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8952 &:= 11111 - (111 + (1 + 1)^{11}) \\
&:= 2 \times (2 \times (2222 + 2^{2+2})) \\
&:= (3^3 \times 333) - (33 + 3 + 3) \\
&:= (4 + 4) \times (4444/4 + 4 + 4) \\
&:= (5^5 + 5 + 5)/5 + ((5 + 5 + 5) \times 555) \\
&:= 6 + ((6/6 + 6) \times (6 \times 6 \times 6 \times 6 - (6 + 6 + 6))) \\
&:= (7/7 + 7) \times ((7777 + 7)/7 + 7) \\
&:= 8 \times 8 + 8888 \\
&:= (9 - 9/9) \times (((9999 - 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8957 &:= 1 + (1 + ((1 + 1 + 1) \times (((1 + 1)^{1+11}) - 1111))) \\
&:= 2/2 + (2 \times (((22 - 2) \times (222 + 2)) - 2)) \\
&:= (3^3 \times 333) - 3/3 - 33 \\
&:= 4/4 + (((4 \times 4 + 4) \times (444 + 4)) - 4) \\
&:= 5^5 + ((5 \times 5 - 5/5) \times ((5 - (5 + 5)/5)^5)) \\
&:= 6 + (66666/6 + (6 \times (6 \times (6 - 66)))) \\
&:= 77 + ((7/7 + 7) \times (7777 - 7)/7) \\
&:= 88 + (8888 - (88/8 + 8)) \\
&:= (9 + 9)/9 + (9 \times 999 - ((9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8958 &:= (1+1+1) \times (1 + (((1+1)^{1+11}) - 1111)) \\
&:= (2 \times ((22-2) \times (222+2))) - 2 \\
&:= (3^3 \times 333) - 33 \\
&:= ((4 \times 4 + 4) \times (444+4)) - (4+4)/4 \\
&:= ((55/5+5) \times (555+5)) - (5+5)/5 \\
&:= 66 + (6 \times ((6 \times (6 \times (6 \times 6 + 6) - 6) + 6)) \\
&:= ((77-7) \times ((7+7)/7)^7) - (7+7)/7 \\
&:= 8 + ((8888 - ((8+8)/8)) + 8 \times 8) \\
&:= 9 \times 999 - (99/(9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8959 &:= ((1+111) \times ((11-1-1)^{1+1} - 1)) - 1 \\
&:= (2 \times ((22-2) \times (222+2))) - 2/2 \\
&:= 3/3 + ((3^3 \times 333) - 33) \\
&:= ((4 \times 4 + 4) \times (444+4)) - 4/4 \\
&:= ((55/5+5) \times (555+5)) - 5/5 \\
&:= 6 + (((6666/6) + (6^{6-6/6})) + 66) \\
&:= ((77-7) \times ((7+7)/7)^7) - 7/7 \\
&:= 8 + ((8888 - 8/8) + 8 \times 8) \\
&:= 9 + (9 \times 999 - ((9 \times 9 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8960 &:= (1+111) \times ((11-1-1)^{1+1} - 1) \\
&:= 2 \times ((22-2) \times (222+2)) \\
&:= 3 + ((3^3 \times 333) - (3/3+33)) \\
&:= (4 \times 4 + 4) \times (444+4) \\
&:= (55/5+5) \times (555+5) \\
&:= (6 \times 6 - 6/6) \times (((6+6)/6)^{6+(6+6)/6}) \\
&:= (77-7) \times ((7+7)/7)^7 \\
&:= 8 + (8888 + 8 \times 8) \\
&:= (9-9/9) \times (9999/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8961 &:= 1 + ((1+111) \times ((11-1-1)^{1+1} - 1)) \\
&:= 2/2 + (2 \times ((22-2) \times (222+2))) \\
&:= 3 + ((3^3 \times 333) - 33) \\
&:= 4/4 + ((4 \times 4 + 4) \times (444+4)) \\
&:= 5/5 + ((55/5+5) \times (555+5)) \\
&:= (6 \times 6 \times 6 \times (6 \times 6 + 6)) - 666/6 \\
&:= 7/7 + ((77-7) \times ((7+7)/7)^7) \\
&:= 8 + ((8888 + 8/8) + 8 \times 8) \\
&:= 9 \times (999+9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8962 &:= 1 + (1 + ((1+111) \times ((11-1-1)^{1+1} - 1))) \\
&:= 2 + (2 \times ((22-2) \times (222+2))) \\
&:= 3 + (((3^3 \times 333) - 33) + 3/3) \\
&:= (4+4)/4 + ((4 \times 4 + 4) \times (444+4)) \\
&:= (5+5)/5 + ((55/5+5) \times (555+5)) \\
&:= ((6-666)/6) + (6 \times 6 \times 6 \times (6 \times 6 + 6)) \\
&:= (7+7)/7 + ((77-7) \times ((7+7)/7)^7) \\
&:= 8 + ((8888 + ((8+8)/8)) + 8 \times 8) \\
&:= 9 \times 999 - (99/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8963 &:= (11 \times (1 + ((11-1)^{1+1+1})) - (1+1)^{11}) \\
&:= 2 + ((2 \times ((22-2) \times (222+2))) + 2/2) \\
&:= (3^3 \times 333) - (3^3 + 3/3) \\
&:= 4 + (((4 \times 4 + 4) \times (444+4)) - 4/4) \\
&:= 5 + (((55/5+5) \times (555+5)) - ((5+5)/5)) \\
&:= (6^{6-6/6}) + ((66 \times (6+6+6)) - 6/6) \\
&:= (7+7+7)/7 + ((77-7) \times ((7+7)/7)^7) \\
&:= 8 \times 8 + (8888 + (88/8)) \\
&:= 9 \times 999 - ((9/9+9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8964 &:= (1+1+1)^{1+1+1} \times ((1+1+1) \times 111 - 1) \\
&:= 2 \times (((22-2) \times (222+2)) + 2) \\
&:= 3 \times (3 \times (3 \times 333 - 3)) \\
&:= 4 + ((4 \times 4 + 4) \times (444+4)) \\
&:= (55-5/5) \times (555/5+55) \\
&:= 6 \times (6 \times 6 \times (66-6) - 666) \\
&:= 77/7 + (((77-7) \times ((7+7)/7)^7) - 7) \\
&:= 8 \times 8 + (((88+8)/8) + 8888) \\
&:= 9 \times 999 - (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8965 &:= 11 \times (1 + ((1+1) \times (11 \times (111/(1+1+1)))))) \\
&:= 2/2 + (2 \times (((22-2) \times (222+2)) + 2)) \\
&:= 3/3 + (3 \times (3 \times (3 \times 333 - 3))) \\
&:= 4 + (((4 \times 4 + 4) \times (444+4)) + 4/4) \\
&:= 5 + ((55/5+5) \times (555+5)) \\
&:= 6/6 + ((66 \times (6+6+6)) + (6^{6-6/6})) \\
&:= 77 + ((7/7+7) \times 7777/7) \\
&:= 88 + (8888 - (88/8)) \\
&:= 9/9 + (9 \times 999 - (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8966 &:= 1 + (11 \times (1 + ((1+1) \times (11 \times (111/(1+1+1)))))) \\
&:= 2 + (2 \times (((22-2) \times (222+2)) + 2)) \\
&:= 3 + ((3^3 \times 333) - (3^3 + 3/3)) \\
&:= 4 + (((4 \times 4 + 4) \times (444+4)) + (4+4)/4) \\
&:= 5 + (((55/5+5) \times (555+5)) + 5/5) \\
&:= ((6+6)/6) \times (((66+6/6)^{(6+6)/6}) - 6) \\
&:= 7 + (((77-7) \times ((7+7)/7)^7) - 7/7) \\
&:= 88 + ((8-88)/8 + 8888) \\
&:= (9+9)/9 + (9 \times 999 - (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8967 &:= (((1 + (1 + (11 \times (1 + 11))))^{1+1}) / (1+1)) - 11 \\
&:= (2 \times (2 \times ((2222-2) + 22))) - 2/2 \\
&:= 3 + (3 \times (3 \times (3 \times 333 - 3))) \\
&:= 4 + (((4 \times 4 + 4) \times (444+4)) - 4/4 + 4) \\
&:= 5 + (((55/5+5) \times (555+5)) + ((5+5)/5)) \\
&:= 6 + ((6 \times 6 \times 6 \times (6 \times 6 + 6)) - 666/6) \\
&:= 7 + ((77-7) \times ((7+7)/7)^7) \\
&:= 88 + (8888 - (8/8+8)) \\
&:= 9 + (9 \times 999 - (99/(9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8968 &:= (1+1)^{1+1+1} \times (11 + (1111 - 1)) \\
&:= 2 \times (2 \times ((2222-2) + 22)) \\
&:= 3 + ((3 \times (3 \times (3 \times 333 - 3))) + 3/3) \\
&:= 4 + (((4 \times 4 + 4) \times (444+4)) + 4) \\
&:= (5 \times (5 \times 5 + 5) \times (55+5)) - ((5+5)/5)^5 \\
&:= 6 + ((6 \times 6 \times 6 \times (6 \times 6 + 6)) + ((6-666)/6)) \\
&:= (77-7/7) \times (777/7+7) \\
&:= 88 + (8888 - 8) \\
&:= (9-9/9) \times ((9999+9)/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8969 &:= 1 + ((1+1)^{1+1+1} \times (11 + (1111 - 1))) \\
&:= 2/2 + (2 \times (2 \times ((2222-2) + 22))) \\
&:= 33/3 + ((3^3 \times 333) - 33) \\
&:= 4 + (((4 \times 4 + 4) \times (444+4)) + 4/4 + 4) \\
&:= 5 + ((55-5/5) \times (555/5+55)) \\
&:= (6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) - (66+6/6) \\
&:= 777 + (((7+7)/7)^{7-7/7+7}) \\
&:= 8/8 + ((8888 - 8) + 88) \\
&:= 9 \times 999 - ((99+99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8970 &:= (11-1) \times (1 + ((1+111) \times (1+1)^{1+1+1})) \\
&:= 2 + (2 \times (2 \times ((2222-2) + 22))) \\
&:= 3 + ((3 \times (3 \times (3 \times 333 - 3))) + 3) \\
&:= (4/4+4) \times ((4 \times (444+4)) + (4+4)/4) \\
&:= (5/5+5) \times ((5 \times 5 \times (55+5)) - 5) \\
&:= (6/6-66) \times (6 - (6+6) \times (6+6)) \\
&:= ((77-7)/7) + ((77-7) \times ((7+7)/7)^7) \\
&:= 88 + ((8888 - 8) + ((8+8)/8)) \\
&:= 9 \times 999 - ((99+9)/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8971 &:= 11 + ((1+111) \times ((11-1-1)^{1+1} - 1)) \\
&:= 22/2 + (2 \times ((22-2) \times (222+2))) \\
&:= (3^3 \times 333) - (33/3 + 3 \times 3) \\
&:= 44/4 + ((4 \times 4 + 4) \times (444+4)) \\
&:= ((5+5)^{5-5/5}) - ((5-5/5)^5 + 5) \\
&:= 6/6 + ((6/6-66) \times (6 - (6+6) \times (6+6))) \\
&:= 77/7 + ((77-7) \times ((7+7)/7)^7) \\
&:= 8 + ((8888 + (88/8)) + 8 \times 8) \\
&:= 9 \times 999 - (99/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8972 &:= (1+1) \times ((1+1) \times (((1+1) \times (11+1111)) - 1)) \\
&:= 2 \times (2 \times (2222+22) - 2) \\
&:= (3^3 \times 333) - ((3 \times (3+3)) + 3/3) \\
&:= ((44-4)/4)^4 - (4 \times 4^4 + 4) \\
&:= 5/5 + (((5+5)^{5-5/5}) - ((5-5/5)^5 + 5)) \\
&:= (6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) - ((6+6)/6)^6 \\
&:= 7 + (((7/7+7) \times 7777/7) + 77) \\
&:= 88 + (8888 - 8 \times 8/(8+8)) \\
&:= 9 \times 999 - (9/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8973 &:= (11 - 1 - 1) \times ((11 - 1)^{1+1+1} - (1 + 1 + 1)) \\
&:= 2/2 + (2 \times ((2 \times 2222 + 22) - 2)) \\
&:= 3 \times (3 \times (3 \times 333 - 3) + 3) \\
&:= 4/4 + (((44 - 4)/4)^4 - (4 \times 4^4 + 4)) \\
&:= (5 \times ((5 \times 5 + 5) \times (55 + 5) - 5)) - (5 + 5)/5 \\
&:= 6 + (((6 \times 6 \times 6 \times (6 \times 6 + 6)) - 666/6) + 6) \\
&:= 7 + (((77 - 7) \times ((7 + 7)/7)^7) - 7/7) + 7 \\
&:= 8 + (8888 - (88/8)) + 88 \\
&:= 9 \times 999 - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8978 &:= ((1 + (1 + (11 \times (1 + 11))))^{1+1})/(1 + 1) \\
&:= 2 + 2 \times 2 \times (2222 + 22) \\
&:= ((3 - 33)/3) + ((3^3 \times 333) - 3) \\
&:= (4 + 4)/4 + (4 \times ((4 \times (4/4 + 4)^4) - 4^4)) \\
&:= 5 + ((5 \times ((5 \times 5 + 5) \times (55 + 5) - 5)) - ((5 + 5)/5)) \\
&:= ((6 + 6)/6) \times (((66 + 6/6)^{6+6}/6) + 6) \\
&:= 7 + (((77 - 7) \times ((7 + 7)/7)^7) + (77/7)) \\
&:= 88 + (8888 + ((8 + 8)/8)) \\
&:= 9 \times 999 - (99 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8983 &:= 1 + ((11 - 1 - 1) \times ((11 - 1)^{1+1+1} - (1 + 1))) \\
&:= (2 \times (2 \times (2222 + 22 + 2))) - 2/2 \\
&:= 3 + ((3^3 \times 333) - 33/3) \\
&:= ((4 - 4/4)^4 \times 444/4) - 4 - 4 \\
&:= 55 + (((5 + 5)/5)^5 \times ((5 \times 55 - 5/5) + 5)) \\
&:= 6 + ((66 \times (((6 + 6)/6)^6 + 66) + 6)) + 6/6 \\
&:= 7 + ((7/7 + 7) \times ((7777 + 77)/7)) \\
&:= 8 + (8888 - 8/8) + 88 \\
&:= 9/9 + (9 \times 999 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8974 &:= (1 + 1) \times (((1 + 1) \times ((1 + 1) \times (11 + 1111))) - 1) \\
&:= 2 \times 2 \times (2222 + 22) - 2 \\
&:= 3/3 + (3 \times (3 \times (3 \times 333 - 3) + 3)) \\
&:= (4 + 4)/4 \times ((4444 - 4/4) + 44) \\
&:= (5 \times ((5 \times 5 + 5) \times (55 + 5) - 5)) - 5/5 \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 \times 6 - ((6 + 6)/6 + 6 + 6)) \\
&:= 7 + (((77 - 7) \times ((7 + 7)/7)^7) + 7) \\
&:= 88 + (8888 - ((8 + 8)/8)) \\
&:= 9/9 + (9 \times 999 - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8979 &:= 1 + (((1 + (1 + (11 \times (1 + 11))))^{1+1})/(1 + 1)) \\
&:= 2 + 2/2 + 2 \times 2 \times (2222 + 22) \\
&:= (3^3 \times 333) - (3 \times 3 + 3) \\
&:= (4 \times (((4 - 4/4) + 4)^4)) - (4/4 + 4)^4 \\
&:= 5 + ((5 \times ((5 \times 5 + 5) \times (55 + 5) - 5)) - 5/5) \\
&:= (66 + 6/6 + 6) \times (((666/6 + 6) + 6) + 6) \\
&:= 7 + (((7/7 + 7) \times 7777/7) + 77) + 7 \\
&:= 88 + ((8888 - 8) + (88/8)) \\
&:= 9 \times 999 - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8984 &:= (1 + 1)^{1+1+1} \times (1 + (11 + 1111)) \\
&:= 2 \times (2 \times (2222 + 22 + 2)) \\
&:= (3^3 \times 333) - (3/3 + 3 + 3) \\
&:= 4 + ((4 \times ((4 \times (4/4 + 4)^4) - 4^4)) + 4) \\
&:= (5 \times (5 \times 5 + 5) \times (55 + 5)) - (55/5 + 5) \\
&:= 6 + (((6 + 6)/6) \times ((66 + 6/6)^{6+6}/6)) \\
&:= (7/7 + 7) \times ((7777 + 77 + 7)/7) \\
&:= 8 + (8888 + 88) \\
&:= (9 + 9)/9 + (9 \times 999 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8975 &:= ((1 + 1)^{1+1+1} \times (11 + 1111)) - 1 \\
&:= 2 \times 2 \times (2222 + 22) - 2/2 \\
&:= 33/3 + (3 \times (3 \times (3 \times 333 - 3))) \\
&:= ((44 - 4)/4)^4 - (4 \times 4^4 + 4/4) \\
&:= 5 \times ((5 \times 5 + 5) \times (55 + 5) - 5) \\
&:= (6 \times 6 - 66/6) \times (6 \times (66 - 6) - 6/6) \\
&:= 7 + ((77 - 7/7) \times (777/7 + 7)) \\
&:= 88 + (8888 - 8/8) \\
&:= (9 + 9)/9 + (9 \times 999 - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8980 &:= (111 \times (11 - 1 - 1)^{1+1}) - 11 \\
&:= 2 \times (2 \times (2222 + 22) + 2) \\
&:= (3^3 \times 333) - 33/3 \\
&:= 4 + (4 \times ((4 \times (4/4 + 4)^4) - 4^4)) \\
&:= 5 + (5 \times ((5 \times 5 + 5) \times (55 + 5) - 5)) \\
&:= ((6 + 6)/6) \times (((66 + 6/6)^{6+6}/6) + 6/6) \\
&:= 7 + (((77 - 7) \times ((7 + 7)/7)^7) - 7/7) + 7 + 7 \\
&:= 88 + (8888 + 8 \times 8/(8 + 8)) \\
&:= 9 \times 999 - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8985 &:= 1 + ((1 + 1)^{1+1+1} \times (1 + (11 + 1111))) \\
&:= 2/2 + (2 \times (2 \times (2222 + 22 + 2))) \\
&:= (3^3 \times 333) - 3 - 3 \\
&:= (4/4 + 4) \times (((4 \times (444 + 4)) + 4/4) + 4) \\
&:= (5 + 5 + 5) \times (((5^5 - 5)/5) - 5 \times 5) \\
&:= 6 + ((66 + 6/6 + 6) \times ((666/6 + 6) + 6)) \\
&:= (7/7 + 7 + 7) \times (7 \times (77 + 7) + (77/7)) \\
&:= 8 + ((8888 + 8/8) + 88) \\
&:= 9 \times 999 + (((9 + 9 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8976 &:= (1 + 1)^{1+1+1} \times (11 + 1111) \\
&:= 2 \times 2 \times (2222 + 22) \\
&:= 3 + (3 \times (3 \times (3 \times 333 - 3) + 3)) \\
&:= 4 \times ((4 \times (4/4 + 4)^4) - 4^4) \\
&:= ((5 + 5)^{5-5/5}) - (5 - 5/5)^5 \\
&:= 66 \times (((6 + 6)/6)^6 + 66) + 6 \\
&:= (7/7 + 7) \times ((7777 + 77)/7) \\
&:= 88 + 8888 \\
&:= (9 - 9/9) \times ((9999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8981 &:= 1 + ((111 \times (11 - 1 - 1)^{1+1}) - 11) \\
&:= 2/2 + 2 \times (2 \times (2222 + 22) + 2) \\
&:= ((3 - 33)/3) + (3^3 \times 333) \\
&:= 4 + ((4 \times ((4 \times (4/4 + 4)^4) - 4^4)) + 4/4) \\
&:= 5 + (((5 + 5)^{5-5/5}) - (5 - 5/5)^5) \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 \times 6 - (6/6 + 6 + 6)) \\
&:= 7 + (((77 - 7) \times ((7 + 7)/7)^7) + 7) + 7 \\
&:= 8 + (((8888 - (88/8)) + 88) + 8) \\
&:= 9 \times 999 - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8986 &:= 1 + (1 + ((1 + 1)^{1+1+1} \times (1 + (11 + 1111)))) \\
&:= 2 + (2 \times (2 \times (2222 + 22 + 2))) \\
&:= 3/3 + ((3^3 \times 333) - (3 + 3)) \\
&:= ((4 - 4/4)^4 \times 444/4) - 4/4 - 4 \\
&:= 5 + (((5 + 5)^{5-5/5}) - (5 - 5/5)^5) + 5 \\
&:= (6^{6-6/6}) + ((66/6) \times ((666 - 6)/6)) \\
&:= 7 \times (7 + 7) + ((7/7 + 7) \times 7777/7) \\
&:= 8 + ((8888 + ((8 + 8)/8)) + 88) \\
&:= 9 \times 999 + ((9 - 99)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8977 &:= 1 + ((1 + 1)^{1+1+1} \times (11 + 1111)) \\
&:= 2/2 + 2 \times 2 \times (2222 + 22) \\
&:= (3^3 \times 333) - (33/3 + 3) \\
&:= 4/4 + (4 \times ((4 \times (4/4 + 4)^4) - 4^4)) \\
&:= 5/5 + (((5 + 5)^{5-5/5}) - (5 - 5/5)^5) \\
&:= 6/6 + (66 \times (((6 + 6)/6)^6 + 66) + 6) \\
&:= 7 + (((77 - 7) \times ((7 + 7)/7)^7) + ((77 - 7)/7)) \\
&:= 8/8 + (8888 + 88) \\
&:= 9 \times 999 + (((9 - 99)/(9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8982 &:= (11 - 1 - 1) \times ((11 - 1)^{1+1+1} - (1 + 1)) \\
&:= 2 + 2 \times (2 \times (2222 + 22) + 2) \\
&:= 3 \times (3 \times 3 \times 333 - 3) \\
&:= 4 + ((4 \times ((4 \times (4/4 + 4)^4) - 4^4)) + (4 + 4)/4) \\
&:= 5 + (((5 + 5)^{5-5/5}) - (5 - 5/5)^5) + 5/5 \\
&:= 6 + (66 \times (((6 + 6)/6)^6 + 66) + 6) \\
&:= 7 + (((77 - 7/7) \times (777/7 + 7)) + 7) \\
&:= 8 + ((8888 - ((8 + 8)/8)) + 88) \\
&:= 9 \times 999 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8987 &:= 11 + ((1 + 1)^{1+1+1} \times (11 + 1111)) \\
&:= 22/2 + 2 \times 2 \times (2222 + 22) \\
&:= (3^3 \times 333) - (3/3 + 3) \\
&:= ((4 - 4/4)^4 \times 444/4) - 4 \\
&:= (((5 + 5)/5)^5 \times ((5 \times 55 + 5/5) + 5)) - 5 \\
&:= (6 \times 6 + 6/6 + 6) \times (6 \times 6 \times 6 - (6/6 + 6)) \\
&:= 77 + ((77 - 77/7) \times (((7 + 7)/7)^7 + 7)) \\
&:= 88 + (8888 + (88/8)) \\
&:= 9 \times 999 + ((9 - 9 \times 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8988 &:= (111^{1+1}) - ((1+1+1) \times 1111) \\
&:= 2 \times ((2 \times (2222 + 22 + 2)) + 2) \\
&:= (3^3 \times 333) - 3 \\
&:= 44 + ((44 + 4 + 4) \times (4 \times 44 - 4)) \\
&:= (5/5 + 5) \times ((5 \times 5 \times (55 + 5)) - ((5 + 5)/5)) \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 - (6 + 6)) \\
&:= 77 + ((7 \times (7 + 7) \times (77 + 7 + 7)) - 7) \\
&:= 88 + (((88 + 8)/8) + 8888) \\
&:= 9 \times 999 - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8989 &:= (111 \times (11 - 1 - 1)^{1+1}) - 1 - 1 \\
&:= (222/2 \times (2/2 + 2)^{2+2}) - 2 \\
&:= 3/3 + ((3^3 \times 333) - 3) \\
&:= ((4 - 4/4)^4 \times 444/4) - (4 + 4)/4 \\
&:= (5 \times (5 \times 5 + 5) \times (55 + 5)) - 55/5 \\
&:= 6/6 + ((6/6 + 6) \times (6 \times 6 \times 6 - (6 + 6))) \\
&:= 7 + (((77 - 7/7) \times (777/7 + 7)) + 7) + 7 \\
&:= 8888 + (8888/88) \\
&:= 9 \times 999 - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8990 &:= (111 \times (11 - 1 - 1)^{1+1}) - 1 \\
&:= 2 + (2 \times ((2 \times (2222 + 22 + 2)) + 2)) \\
&:= (3^3 \times 333) - 3/3 \\
&:= ((4 - 4/4)^4 \times 444/4) - 4/4 \\
&:= (5 + 5) \times ((5^5 - 5)/5 + 5 \times 55) \\
&:= ((6 + 6)/6) \times (((66 + 6/6)^{(6+6)/6}) + 6) \\
&:= 7 + (((7/7 + 7) \times (7777 + 77)/7) + 7) \\
&:= 8888 + ((888 - 8)/8 - 8) \\
&:= 9 \times 999 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8991 &:= 111 \times (11 - 1 - 1)^{1+1} \\
&:= 222/2 \times (2/2 + 2)^{2+2} \\
&:= 3^3 \times 333 \\
&:= (4 - 4/4)^4 \times 444/4 \\
&:= (5/5 + 5)^5 + (5 \times ((5 - (5 + 5)/5)^5)) \\
&:= (6 \times 6 + 6/6) \times ((6 \times 6/(6 + 6))^{6-6/6}) \\
&:= 777/7 \times ((7/7 - 7) + 77) \\
&:= 888/8 + (8888 - 8) \\
&:= 9 \times 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8992 &:= 1 + (111 \times (11 - 1 - 1)^{1+1}) \\
&:= 2 \times (2^{2 \times (2+2+2)} + (22 - 2)^2) \\
&:= 3/3 + (3^3 \times 333) \\
&:= 4 \times (((4 \times (4/4 + 4)^4) - 4^4) + 4) \\
&:= ((5 + 5)/5)^5 \times ((5 \times 55 + 5/5) + 5) \\
&:= ((6 + 6)/6 + 6) \times (((6666 + 6)/6 + 6) + 6) \\
&:= (7/7 + 7) \times (((7777 - 7)/7 + 7) + 7) \\
&:= 8 + ((8888 + 88) + 8) \\
&:= 9/9 + 9 \times 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8993 &:= 1 + (1 + (111 \times (11 - 1 - 1)^{1+1})) \\
&:= 2 + (222/2 \times (2/2 + 2)^{2+2}) \\
&:= 3 + ((3^3 \times 333) - 3/3) \\
&:= 4/4 + (((44 - 4)/4)^4 + (4 \times (4 - 4^4))) \\
&:= 5^5 + ((5^5 + 5)/(5 + 5) + 5555) \\
&:= ((66/6 + 6) + 6) \times ((6 \times 66 - 6) + 6/6) \\
&:= 7 \times 7 + ((7/7 + 7) \times (7777/7 + 7)) \\
&:= 8 + (((8888 + 8/8) + 88) + 8) \\
&:= (9 + 9)/9 + 9 \times 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8994 &:= 1 + (1 + (1 + (111 \times (11 - 1 - 1)^{1+1}))) \\
&:= (2 \times 2 \times (22 + 2))^2 - 222 \\
&:= 3 + (3^3 \times 333) \\
&:= 4 + (((4 - 4/4)^4 \times 444/4) - 4/4) \\
&:= (5/5 + 5) \times ((5 \times 5 \times (55 + 5)) - 5/5) \\
&:= (6 \times (6 \times 6 \times (6 \times 6 + 6) - (6 + 6))) - 6 \\
&:= 77 + ((7 \times (7 + 7) \times (77 + 7 + 7)) - 7/7) \\
&:= 8 + (((8888 + ((8 + 8)/8)) + 88) + 8) \\
&:= 9 \times 999 + ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8995 &:= 1 + (1 + (1 + (1 + (111 \times (11 - 1 - 1)^{1+1})))) \\
&:= 2 + ((222/2 \times (2/2 + 2)^{2+2}) + 2) \\
&:= 3 + ((3^3 \times 333) + 3/3) \\
&:= 4 + ((4 - 4/4)^4 \times 444/4) \\
&:= (5 \times (5 \times 5 + 5) \times (55 + 5)) - 5 \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 - (66/6)) \\
&:= 77 + (7 \times (7 + 7) \times (77 + 7 + 7)) \\
&:= 8 + ((8888 + (88/8)) + 88) \\
&:= 9 \times 999 + ((9 \times 9 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8996 &:= 1 + (1 + (1 + (1 + (1 + (111 \times (11 - 1 - 1)^{1+1})))))) \\
&:= 2 + ((2 \times 2 \times (22 + 2))^2 - 222) \\
&:= 3 + (((3^3 \times 333) - 3/3) + 3) \\
&:= 4 + (((44 - 4)/4)^4 + (4 \times (4 - 4^4))) \\
&:= 5/5 + ((5 \times (5 \times 5 + 5) \times (55 + 5)) - 5) \\
&:= 6 + (((6 + 6)/6) \times (((66 + 6/6)^{(6+6)/6}) + 6)) \\
&:= 7/7 + ((7 \times (7 + 7) \times (77 + 7 + 7)) + 77) \\
&:= 8 + (((88 + 8)/8) + 8888) + 88 \\
&:= 9 \times 999 + ((9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8997 &:= (1 + 1 + 1) \times (((1 + 1 + 1) \times (11 - 1)^{1+1+1}) - 1) \\
&:= 222/2 + ((2 \times (2 \times 2222)) - 2) \\
&:= 3 + ((3^3 \times 333) + 3) \\
&:= 4 + (((44 - 4)/4)^4 + (4 \times (4 - 4^4))) + 4/4 \\
&:= 5 + (((5 + 5)/5)^5 \times ((5 \times 55 + 5/5) + 5)) \\
&:= (6^{6-6/6}) + ((66/6) \times 666/6) \\
&:= 77 + ((7 \times (7 + 7) \times (77 + 7 + 7)) + ((7 + 7)/7)) \\
&:= 8888 + ((888 - 8 - 8)/8) \\
&:= 9 + (9 \times 999 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8998 &:= ((11 - 1 - 1) \times (11 - 1)^{1+1+1}) - 1 - 1 \\
&:= 22 + 2 \times 2 \times (2222 + 22) \\
&:= 3 + (((3^3 \times 333) + 3/3) + 3) \\
&:= 4 + (((4 - 4/4)^4 \times 444/4) - 4/4) + 4 \\
&:= (5 \times (5 \times 5 + 5) \times (55 + 5)) - (5 + 5)/5 \\
&:= (6 \times (6 \times 6 \times (6 \times 6 + 6) - (6 + 6))) - (6 + 6)/6 \\
&:= 7 + (777/7 \times ((7/7 - 7) + 77)) \\
&:= 8888 + (888 - 8)/8 \\
&:= 9 + (9 \times 999 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 8999 &:= ((11 - 1 - 1) \times (11 - 1)^{1+1+1}) - 1 \\
&:= 222/2 + (2 \times (2 \times 2222)) \\
&:= 3 \times 3 + ((3^3 \times 333) - 3/3) \\
&:= 4 + (((4 - 4/4)^4 \times 444/4) + 4) \\
&:= (5 \times (5 \times 5 + 5) \times (55 + 5)) - 5/5 \\
&:= (6 \times (6 \times 6 \times (6 \times 6 + 6) - (6 + 6))) - 6/6 \\
&:= 7 + ((7/7 + 7) \times (((7777 - 7)/7 + 7) + 7)) \\
&:= 888/8 + 8888 \\
&:= 9 + (9 \times 999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9000 &:= (11 - 1 - 1) \times (11 - 1)^{1+1+1} \\
&:= (22 - 2) \times ((2 \times (222 + 2)) + 2) \\
&:= 3 \times (3 \times 3 \times 333 + 3) \\
&:= 44 + (((4 \times 4 + 4) \times (444 + 4)) - 4) \\
&:= 5 \times (5 \times 5 + 5) \times (55 + 5) \\
&:= 6 \times (6 \times 6 \times (6 \times 6 + 6) - (6 + 6)) \\
&:= (7/7 + 7) \times ((7777/7 + 7) + 7) \\
&:= 8 + (((8888 + 88) + 8) + 8) \\
&:= 9 + 9 \times 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9001 &:= 1 + ((11 - 1 - 1) \times (11 - 1)^{1+1+1}) \\
&:= 2 + ((2 \times (2 \times 2222)) + 222/2) \\
&:= 3 \times 3 + ((3^3 \times 333) + 3/3) \\
&:= (((4 \times 4 + 4/4) + 4)^{4-4/4}) - (4^4 + 4) \\
&:= 5/5 + (5 \times (5 \times 5 + 5) \times (55 + 5)) \\
&:= 6/6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) - (6 + 6))) \\
&:= 7 \times 7 \times 7 + ((7/7 + 77) \times 777/7) \\
&:= 8888 + ((888 + 8 + 8)/8) \\
&:= 9 + (9 \times 999 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9002 &:= 11 + (111 \times (11 - 1 - 1)^{1+1}) \\
&:= 2 + ((22 - 2) \times ((2 \times (222 + 2)) + 2)) \\
&:= 33/3 + (3^3 \times 333) \\
&:= 44/4 + ((4 - 4/4)^4 \times 444/4) \\
&:= (5 + 5)/5 + (5 \times (5 \times 5 + 5) \times (55 + 5)) \\
&:= (6 + 6)/6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) - (6 + 6))) \\
&:= (77 \times ((777 - 7)/7 + 7)) - 7 \\
&:= 8888 + (((888 + 88)/8) - 8) \\
&:= 99/9 + 9 \times 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9003 &:= 1 + (11 + (111 \times (11 - 1 - 1)^{1+1})) \\
&:= ((222/2 - 2^{2+2})^2) - 22 \\
&:= 3 + ((3^3 \times 333) + 3 \times 3) \\
&:= 4 + (((4 - 4/4)^4 \times 444/4) + 4) + 4 \\
&:= 5 + ((5 \times (5 \times 5 + 5) \times (55 + 5)) - ((5 + 5)/5)) \\
&:= ((66/6 + 66) \times (666/6 + 6)) - 6 \\
&:= 7/7 + ((77 \times ((777 - 7)/7 + 7)) - 7) \\
&:= 8 + (((8888 + (88/8)) + 88) + 8) \\
&:= 9 \times 999 + (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9004 &:= 1 + (1 + (11 + (111 \times (11 - 1 - 1)^{1+1}))) \\
&:= 2 \times (((22 - 2) \times (222 + 2)) + 22) \\
&:= 3 + (((3^3 \times 333) + 3 \times 3) + 3/3) \\
&:= 44 + ((4 \times 4 + 4) \times (444 + 4)) \\
&:= 5 + ((5 \times (5 \times 5 + 5) \times (55 + 5)) - 5/5) \\
&:= 6 \times 6 \times 6 \times (6 \times 6 + 6) - ((6 + 6)/6 + 66) \\
&:= (7 + 7)/7 + ((77 \times ((777 - 7)/7 + 7)) - 7) \\
&:= 8 \times (8 + 8) + (8888 - ((88 + 8)/8)) \\
&:= 9 \times 999 + ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9005 &:= 1 + (1 + (1 + (11 + (111 \times (11 - 1 - 1)^{1+1})))) \\
&:= 2 + (((222/2 - 2^{2+2})^2) - 22) \\
&:= 3 + ((3^3 \times 333) + 33/3) \\
&:= (((4 \times 4 + 4/4) + 4)^{4-4/4}) - 4^4 \\
&:= 5 + (5 \times (5 \times 5 + 5) \times (55 + 5)) \\
&:= 6 \times 6 \times 6 \times (6 \times 6 + 6) - (66 + 6/6) \\
&:= ((7 + 7) \times ((7 \times (77 + 7 + 7)) + 7)) - 77/7 \\
&:= 8 \times (8 + 8) + (8888 - (88/8)) \\
&:= 9 + (((9 \times 9 + 9)/(9 + 9)) + 9 \times 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9006 &:= 111 + (((1 + 1)^{1+1+1} \times (1 + 1111)) - 1) \\
&:= 2 + (2 \times (((22 - 2) \times (222 + 2)) + 22)) \\
&:= 3 + (((3^3 \times 333) + 3 \times 3) + 3) \\
&:= 4^4 + ((4/4 + 4)^4 \times ((44 - 4)/4 + 4)) \\
&:= 5 + ((5 \times (5 \times 5 + 5) \times (55 + 5)) + 5/5) \\
&:= 6 \times 6 \times 6 \times (6 \times 6 + 6) - 66 \\
&:= ((7 + 7)/7 + 77) \times (((7 + 7)/7)^7 - (7 + 7)) \\
&:= 8 + ((888 - 8)/8 + 8888) \\
&:= 9 + ((9 \times 999 - ((9 + 9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9007 &:= 111 + ((1 + 1)^{1+1+1} \times (1 + 1111)) \\
&:= (22/2)^2 + ((2 \times (2 \times 2222)) - 2) \\
&:= 3^3 + ((3^3 \times 333) - 33/3) \\
&:= 4 \times 4 + ((4 - 4/4)^4 \times 444/4) \\
&:= 5 + ((5 \times (5 \times 5 + 5) \times (55 + 5)) + ((5 + 5)/5)) \\
&:= 6/6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - 66) \\
&:= 7 + ((7/7 + 7) \times ((7777/7 + 7) + 7)) \\
&:= 8 + (888/8 + 8888) \\
&:= 9 + ((9 \times 999 - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9008 &:= ((11 - 1 - 1) \times (1 + (11 - 1)^{1+1+1})) - 1 \\
&:= 2 \times (((22 - 2) \times (222 + 2)) + 22) + 2) \\
&:= 3 + (((3^3 \times 333) + 33/3) + 3) \\
&:= 4 + (((4 \times 4 + 4) \times (444 + 4)) + 44) \\
&:= 5^5 + (555/5 \times (55 - (5 + 5)/5)) \\
&:= 6 \times 6 \times 6 \times (6 \times 6 + 6) - ((6 + 6)/6)^6 \\
&:= (77 \times ((777 - 7)/7 + 7)) - 7/7 \\
&:= 8 \times (8 + 8) + (8888 - 8) \\
&:= 9 + ((9 \times 999 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9009 &:= (11 - 1 - 1) \times (1 + (11 - 1)^{1+1+1}) \\
&:= (22/2)^2 + (2 \times (2 \times 2222)) \\
&:= 3 \times ((3 \times 3 \times 333 + 3) + 3) \\
&:= (4 + 4)^4 + ((4 \times 4 + 4/4)^{4-4/4}) \\
&:= 5 + (((5 \times (5 \times 5 + 5) \times (55 + 5)) - 5/5) + 5) \\
&:= (66/6 + 66) \times (666/6 + 6) \\
&:= 77 \times ((777 - 7)/7 + 7) \\
&:= 8/8 + ((8888 - 8) + 8 \times (8 + 8)) \\
&:= 9 + (9 \times 999 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9010 &:= 1 + ((11 - 1 - 1) \times (1 + (11 - 1)^{1+1+1})) \\
&:= (2^{2+2} + 2/2) \times ((22 \times (22 + 2)) + 2) \\
&:= 3/3 + ((3^3 \times 333) + (3 \times (3 + 3))) \\
&:= ((4 - 4/4)^4 + 4) \times ((444 - 4)/4 - 4) \\
&:= 5 + ((5 \times (5 \times 5 + 5) \times (55 + 5)) + 5) \\
&:= 6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - ((6 + 6)/6 + 66)) \\
&:= 7/7 + (77 \times ((777 - 7)/7 + 7)) \\
&:= 8888 + ((888 + 88)/8) \\
&:= 9 + ((9 \times 999 + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9011 &:= 11 + ((11 - 1 - 1) \times (11 - 1)^{1+1+1}) \\
&:= 2 + ((2 \times (2 \times 2222)) + (22/2)^2) \\
&:= 3 \times 3 + ((3^3 \times 333) + 33/3) \\
&:= 4 + (((4 - 4/4)^4 \times 444/4) + 4 \times 4) \\
&:= 55/5 + (5 \times (5 \times 5 + 5) \times (55 + 5)) \\
&:= 6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - (66 + 6/6)) \\
&:= (7 + 7)/7 + (77 \times ((777 - 7)/7 + 7)) \\
&:= 8888 + (((888 + 88) + 8)/8) \\
&:= 9 + (9 \times 999 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9012 &:= 1 + (11 + ((11 - 1 - 1) \times (11 - 1)^{1+1+1})) \\
&:= 2 \times ((2 \times ((2222 - 2) + 22)) + 22) \\
&:= 3 + ((3^3 \times 333) + (3 \times (3 + 3))) \\
&:= ((4 + 4) \times (4444/4 + 4 \times 4)) - 4 \\
&:= (5/5 + 5) \times ((5 \times 5 \times (55 + 5)) + ((5 + 5)/5)) \\
&:= 6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - 66) \\
&:= 7 + (((7 + 7) \times ((7 \times (77 + 7 + 7)) + 7)) - (77/7)) \\
&:= 8 \times (8 + 8) + (8888 - 8 \times 8/(8 + 8)) \\
&:= 9 + (9 \times 999 + (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9013 &:= 11 + (11 + (111 \times (11 - 1 - 1)^{1+1})) \\
&:= 22 + (222/2 \times (2/2 + 2)^{2+2}) \\
&:= 33 + ((3^3 \times 333) - 33/3) \\
&:= 4 + (((4 \times 4 + 4/4)^{4-4/4}) + (4 + 4)^4) \\
&:= 5 + ((555/5 \times (55 - (5 + 5)/5)) + 5^5) \\
&:= 6 + ((6 \times 6 \times 6 \times (6 \times 6 + 6) - 66) + 6/6) \\
&:= 7 + (((7 + 7)/7 + 77) \times (((7 + 7)/7)^7 - (7 + 7))) \\
&:= 8 + ((8888 - (88/8)) + 8 \times (8 + 8)) \\
&:= 9 \times 999 + ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9014 &:= ((111 - (1 + 1)^{1+1+1+1})^{1+1}) - 11 \\
&:= ((2 \times 22 + 2) \times ((2^{2+2} - 2)^2)) - 2 \\
&:= 3^3 + ((3^3 \times 333) - (3/3 + 3)) \\
&:= (4 + 4)/4 \times (4444 + ((4^4 - 4)/4)) \\
&:= 5^5 + ((5 \times 555 - (55/5)) + 5^5) \\
&:= 6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - ((6 + 6)/6)^6) \\
&:= ((7 + 7) \times ((7 \times (77 + 7 + 7)) + 7)) - (7 + 7)/7 \\
&:= 8 \times (8 + 8) + (8888 - ((8 + 8)/8)) \\
&:= 9 \times 999 + (99 + 99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9015 &:= 1 + (((111 - (1 + 1)^{1+1+1+1})^{1+1}) - 11) \\
&:= ((2 \times 22 + 2) \times ((2^{2+2} - 2)^2)) - 2/2 \\
&:= 3^3 + ((3^3 \times 333) - 3) \\
&:= (4/4 + 4) \times ((4 \times (444 + 4)) + 44/4) \\
&:= (5 + 5 + 5) \times ((5^5 + 5)/5 - 5 \times 5) \\
&:= 6 + ((66/6 + 66) \times (666/6 + 6)) \\
&:= ((7 + 7) \times ((7 \times (77 + 7 + 7)) + 7)) - 7/7 \\
&:= 8 \times (8 + 8) + (8888 - 8/8) \\
&:= 9 + (((9 \times 999 - ((9 + 9 + 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9016 &:= (1 + 1) \times ((1 + (11 + 11)) \times (1 + 1 + 1 + 11)^{1+1}) \\
&:= (2 \times 22 + 2) \times ((2^{2+2} - 2)^2) \\
&:= 3^3 + (((3^3 \times 333) - 3) + 3/3) \\
&:= (4 + 4) \times (4444/4 + 4 \times 4) \\
&:= 5 + ((5 \times (5 \times 5 + 5) \times (55 + 5)) + (55/5)) \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 \times 6 - ((6 + 6)/6 + 6)) \\
&:= (7 + 7) \times ((7 \times (77 + 7 + 7)) + 7) \\
&:= 8 \times (8 + 8) + 8888 \\
&:= (99 - 9/9) \times ((99/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9017 &:= ((11 - 1 - 1) \times (1 + 1 + (11 - 1)^{1+1+1})) - 1 \\
&:= 2/2 + ((2 \times 22 + 2) \times ((2^{2+2} - 2)^2)) \\
&:= 3^3 + ((3^3 \times 333) - 3/3) \\
&:= 4/4 + ((4 + 4) \times (4444/4 + 4 \times 4)) \\
&:= 5 + ((5 \times (5 \times 5 + 5) \times (55 + 5)) + ((55 + 5)/5)) \\
&:= 66/6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - 66) \\
&:= 7/7 + ((7 + 7) \times ((7 \times (77 + 7 + 7)) + 7)) \\
&:= 8/8 + (8888 + 8 \times (8 + 8)) \\
&:= 9 + (((9 \times 999 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9018 &:= (11 - 1 - 1) \times (1 + 1 + (11 - 1)^{1+1+1}) \\
&:= 2 + ((2 \times 22 + 2) \times ((2^{2+2} - 2)^2)) \\
&:= 3 \times 3 \times (3 \times 333 + 3) \\
&:= (4 + 4)/4 \times ((4^4 + 4)/4 + 4444) \\
&:= (55 - 5/5) \times ((555 + 5)/5 + 55) \\
&:= 6 + ((6 \times 6 \times 6 \times (6 \times 6 + 6) - 66) + 6) \\
&:= (((77/7 + 77) + 7)^{(7+7)/7}) - 7 \\
&:= 8 \times (8 + 8) + (8888 + ((8 + 8)/8)) \\
&:= 9 + ((9 \times 999 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9019 &:= ((111 - 1) \times (1 + (11 - 1 - 1)^{1+1})) - 1 \\
&:= ((22 - 2/2)^{2/2+2}) - 22^2/2 \\
&:= 3^3 + ((3^3 \times 333) + 3/3) \\
&:= ((44 + 4) \times (444 - 4^4)) - 4/4 - 4 \\
&:= 5^5 + ((5 \times 555 - 5/5 - 5) + 5^5) \\
&:= (6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) - (66/6 + 6) \\
&:= 7/7 + (((77/7 + 77) + 7)^{(7+7)/7}) - 7 \\
&:= 8 \times (8 + 8) + ((8888 - 8) + (88/8)) \\
&:= 9 + (((9 \times 999 + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9020 &:= (111 - 1) \times (1 + (11 - 1 - 1)^{1+1}) \\
&:= 2 \times (2 \times (2222 + 22) + 22) \\
&:= 3 + (((3^3 \times 333) - 3/3) + 3^3) \\
&:= 44 \times (((4 + 4)^4 + 4)/(4 \times 4 + 4)) \\
&:= 5^5 + ((5 \times 555 - 5) + 5^5) \\
&:= 6 + ((6 \times 6 \times 6 \times (6 \times 6 + 6) - ((6 + 6)/6)^6) + 6) \\
&:= 77/7 + (77 \times ((777 - 7)/7 + 7)) \\
&:= 88 + ((88/((8 + 8)/8)) + 8888) \\
&:= 9 + ((9 \times 999 + (99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9021 &:= 1 + ((111 - 1) \times (1 + (11 - 1 - 1)^{1+1})) \\
&:= ((222/2 - 2^{2+2})^2) - 2 - 2 \\
&:= 3 + ((3^3 \times 333) + 3^3) \\
&:= ((444/4 - 4 \times 4)^{(4+4)/4}) - 4 \\
&:= (5/5 + 5)^5 + (5 \times 5 \times 5 \times (5 + 5) - 5) \\
&:= 6 + (((66/6 + 66) \times (666/6 + 6)) + 6) \\
&:= 77 + ((7/7 + 7) \times (7777/7 + 7)) \\
&:= 8888 + ((8 - 8/8) \times (88/8 + 8)) \\
&:= 999/9 + (9 \times (999 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9022 &:= 1 + (1 + ((111 - 1) \times (1 + (11 - 1 - 1)^{1+1}))) \\
&:= 222 + 22 \times (22 - 2)^2 \\
&:= 3 + (((3^3 \times 333) + 3^3) + 3/3) \\
&:= ((44 + 4) \times (444 - 4^4)) - (4 + 4)/4 \\
&:= (5/5 + 5)^5 + (((5^5 + 5^5 + 5)/5) - 5) \\
&:= 6 + ((6/6 + 6) \times (6 \times 6 \times 6 \times 6 - ((6 + 6)/6 + 6))) \\
&:= 7 + (((7 + 7) \times ((7 \times (77 + 7 + 7) + 7)) - 7/7) \\
&:= 8 + ((8888 - ((8 + 8)/8)) + 8 \times (8 + 8)) \\
&:= 9 + (((99 + 99)/9) + 9 \times 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9023 &:= ((111 - (1 + 1)^{1+1+1+1})^{1+1}) - 1 - 1 \\
&:= ((222/2 - 2^{2+2})^2) - 2 \\
&:= 33 + ((3^3 \times 333) - 3/3) \\
&:= ((44 + 4) \times (444 - 4^4)) - 4/4 \\
&:= 5^5 + ((5 \times 555 - ((5 + 5)/5)) + 5^5) \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 \times 6 - (6/6 + 6)) \\
&:= 7 + ((7 + 7) \times ((7 \times (77 + 7 + 7) + 7)) \\
&:= 8 + ((8888 - 8/8) + 8 \times (8 + 8)) \\
&:= 9 + ((99 + 99 + 9)/9 + 9 \times 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9024 &:= ((111 - (1 + 1)^{1+1+1+1})^{1+1}) - 1 \\
&:= 2 + (22 \times (22 - 2)^2 + 222) \\
&:= 33 + (3^3 \times 333) \\
&:= (44 + 4) \times (444 - 4^4) \\
&:= 5^5 + ((5 \times 555 - 5/5) + 5^5) \\
&:= (6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) - 6 - 6 \\
&:= (7 \times 7 - 7/7) \times (777/7 + 77) \\
&:= 8 + (8888 + 8 \times (8 + 8)) \\
&:= 9 \times 999 + (99/((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9025 &:= (111 - (1 + 1)^{1+1+1+1})^{1+1} \\
&:= (222/2 - 2^{2+2})^2 \\
&:= 3/3 + ((3^3 \times 333) + 33) \\
&:= (444/4 - 4 \times 4)^{(4+4)/4} \\
&:= 5 \times ((5 \times 5 + 5) \times (55 + 5) + 5) \\
&:= ((66 - 6/6 - 6) + 6 \times 6)^{(6+6)/6} \\
&:= ((77/7 + 77) + 7)^{(7+7)/7} \\
&:= (88 - 8/8 + 8)^{(8+8)/8} \\
&:= 9 + ((99 - 9/9) \times ((99/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9026 &:= 1 + ((111 - (1 + 1)^{1+1+1+1})^{1+1}) \\
&:= 2/2 + ((222/2 - 2^{2+2})^2) \\
&:= 3 + (((3^3 \times 333) - 3/3) + 33) \\
&:= 4/4 + ((444/4 - 4 \times 4)^{(4+4)/4}) \\
&:= (5/5 + 5)^5 + 5 \times 5 \times 5 \times (5 + 5) \\
&:= (6 - 66)/6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) \\
&:= 7/7 + (((77/7 + 77) + 7)^{(7+7)/7}) \\
&:= 8/8 + ((88 - 8/8 + 8)^{(8+8)/8}) \\
&:= 9 + (((9 \times 999 - 9/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9027 &:= 1 + (1 + ((111 - (1 + 1)^{1+1+1+1})^{1+1})) \\
&:= 2 + ((222/2 - 2^{2+2})^2) \\
&:= 3 + ((3^3 \times 333) + 33) \\
&:= 4 + (((44 + 4) \times (444 - 4^4)) - 4/4) \\
&:= (5/5 + 5)^5 + ((5^5 + 5^5 + 5)/5) \\
&:= 66 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - 666/6) \\
&:= 77/7 + ((7 + 7) \times ((7 \times (77 + 7 + 7) + 7)) \\
&:= 8 \times (8 + 8) + (8888 + (88/8)) \\
&:= 9 + (((9 \times 999 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9028 &:= (1 + 1) \times ((1 + 11^{1+1}) \times (111/(1 + 1 + 1))) \\
&:= 2 + (((222/2 - 2^{2+2})^2) + 2/2) \\
&:= 3 + (((3^3 \times 333) + 33) + 3/3) \\
&:= 4 + ((44 + 4) \times (444 - 4^4)) \\
&:= (5/5 + 5)^5 + ((5 + 5)/5 \times (5^5 + 5)/5) \\
&:= (6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) - ((6 + 6)/6 + 6) \\
&:= 7 + (((7/7 + 7) \times (7777/7 + 7)) + 77) \\
&:= 8 \times (8 + 8) + (((88 + 8)/8) + 8888) \\
&:= 9 + (((9 \times 999 + 9/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9029 &:= ((11 - 1) \times ((1 + 1)^{11-1} - 11^{1+1})) - 1 \\
&:= 2 + (((222/2 - 2^{2+2})^2) + 2) \\
&:= 3^3 + ((3^3 \times 333) + 33/3) \\
&:= 4 + ((444/4 - 4 \times 4)^{(4+4)/4}) \\
&:= 5 + (((5 \times 555 - 5/5) + 5^5) + 5^5) \\
&:= (6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) - 6/6 - 6 \\
&:= 777/7 + (7 \times (7 + 7) \times (77 + 7 + 7)) \\
&:= 8 \times 8 + ((8888 - (88/8)) + 88) \\
&:= 9 + (((9 \times 999 + (99/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9030 &:= (11 - 1) \times ((1 + 1)^{11-1} - 11^{1+1}) \\
&:= (2^{2 \times (2+2)} + 2) \times ((22/2 + 22) + 2) \\
&:= 3 + (((3^3 \times 333) + 33) + 3) \\
&:= (44 - 4/4) \times (4^4 - ((4 + 4)/4 + 44)) \\
&:= 5 + ((5 \times 555 + 5^5) + 5^5) \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 \times 6 - 6) \\
&:= (77 - 7) \times (((7 + 7)/7)^7 + 7/7) \\
&:= (((8 + 8)/8) + 8) \times ((888 - 8/8 + 8) + 8) \\
&:= 9 + ((9 \times (999 - 9)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9031 &:= 1 + ((11 - 1) \times ((1 + 1)^{11-1} - 11^{1+1})) \\
&:= 2 + (((222/2 - 2^{2+2})^2) + 2) + 2) \\
&:= 3 + (((3^3 \times 333) + 33) + 3/3) + 3) \\
&:= 44 + (((4 - 4/4)^4 \times 444/4) - 4) \\
&:= 5 + (5 \times 5 \times 5 \times (5 + 5) + (5/5 + 5)^5) \\
&:= 6/6 + ((6/6 + 6) \times (6 \times 6 \times 6 \times 6 - 6)) \\
&:= 7 + ((7 \times 7 - 7/7) \times (777/7 + 77)) \\
&:= 8 + (((8888 - 8/8) + 8 \times (8 + 8)) + 8) \\
&:= 99/9 \times (9 \times (9 \times 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9032 &:= 1111 + ((111 - 11 - 11)^{1+1}) \\
&:= 2 \times (2 \times ((2 + 2 + 2)^2 + 2222)) \\
&:= 3 + (((3^3 \times 333) + 33/3) + 3^3) \\
&:= 4 + (((44 + 4) \times (444 - 4^4)) + 4) \\
&:= 5 + (((5^5 + 5^5 + 5)/5) + (5/5 + 5)^5) \\
&:= (6 + 6)/6 + ((6/6 + 6) \times (6 \times 6 \times 6 \times 6 - 6)) \\
&:= 7 + (((77/7 + 77) + 7)^{(7+7)/7}) \\
&:= 8 + ((8888 + 8 \times (8 + 8)) + 8) \\
&:= (9 - 9/9) \times ((9999/9 + 9) + 9)
\end{aligned}$$

- 9033 := $1 + (1111 + ((111 - 11 - 11)^{1+1}))$
:= $2 \times (2 + 2) + ((222/2 - 2^{2+2})^2)$
:= $3 \times 3 + ((3^3 \times 333) + 33)$
:= $4 + (((444/4 - 4 \times 4)^{(4+4)/4}) + 4)$
:= $5 + (((5+5)/5 \times (5^5 + 5)/5) + (5/5 + 5)^5)$
:= $(6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) - 6 \times 6/(6 + 6)$
:= $7 + (((77/7 + 77) + 7)^{(7+7)/7}) + 7/7$
:= $8 + ((88 - 8/8 + 8)^{(8+8)/8})$
:= $9 + ((99/(9 + 9 + 9)/9) + 9 \times 999)$
- 9034 := $(1 + 1) \times (((11 \times (11 \times (1 + 111))) - 1)/(1 + 1 + 1))$
:= $2 + (2 \times (2 \times ((2 + 2 + 2)^2 + 2222)))$
:= $3 \times 3 + (((3^3 \times 333) + 33) + 3/3)$
:= $4 + ((44 - 4/4) \times (4^4 - ((4 + 4)/4 + 44)))$
:= $5 + (((5 \times 555 - 5/5) + 5^5) + 5^5) + 5$
:= $(6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) - (6 + 6)/6$
:= $7 + (((7 + 7) \times ((7 \times (77 + 7 + 7)) + 7)) + (77/7))$
:= $8 + (((88 - 8/8 + 8)^{(8+8)/8}) + 8/8)$
:= $9 + (((99 - 9/9) \times ((99/9) + 9 \times 9)) + 9)$
- 9035 := $11 + (((111 - (1 + 1)^{1+1+1+1})^{1+1}) - 1)$
:= $2 + (((222/2 - 2^{2+2})^2) + 2 \times (2 + 2))$
:= $33 + ((3^3 \times 333) + 33/3)$
:= $44 + ((4 - 4/4)^4 \times 444/4)$
:= $5 + (((5 \times 555 + 5^5) + 5^5) + 5)$
:= $(6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) - 6/6$
:= $(77 \times ((7 \times 7 - 7) + 77)) - ((7 + 7)/7)^7$
:= $(8/8 + 8 \times 8) \times (8 \times (8 + 8) + (88/8))$
:= $9 + (((9 \times 999 - 9/9) + 9) + 9) + 9)$
- 9036 := $11 + ((111 - (1 + 1)^{1+1+1+1})^{1+1})$
:= $2 \times (((22 - 2) \times (222 + 2 + 2)) - 2)$
:= $3 \times (3 \times (3 \times 333 + 3) + 3) + 3$
:= $(4/4 + 4 + 4) \times (4 \times (4^4 - 4) - 4)$
:= $5 + ((5 \times 5 \times 5 \times (5 + 5) + (5/5 + 5)^5) + 5)$
:= $6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)$
:= $77 + (((77 - 7) \times ((7 + 7)/7)^7) - 7/7)$
:= $88/8 + ((88 - 8/8 + 8)^{(8+8)/8})$
:= $9 + (((9 \times 999 + 9) + 9) + 9) + 9)$
- 9037 := $1 + (11 + ((111 - (1 + 1)^{1+1+1+1})^{1+1}))$
:= $((22 - 2/2)^{2/2+2}) - (222 + 2)$
:= $((3 + 3) \times (3 \times 3 + 3)^3) - (33/3)^3$
:= $4/4 + ((4/4 + 4 + 4) \times (4 \times (4^4 - 4) - 4))$
:= $(5/5 + 5)^5 + (((55 + 5^5) + 5^5)/5)$
:= $6/6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) - 6))$
:= $77 + ((77 - 7) \times ((7 + 7)/7)^7)$
:= $(8 - 8/8) \times ((8 + 8) \times (88 - 8) + (88/8))$
:= $9 + (((9 \times 999 + 9/9) + 9) + 9) + 9)$
- 9038 := $((11 + (11 - 1))^{1+1+1}) - (1 + (1 + 1) \times 111)$
:= $(2 \times ((22 - 2) \times (222 + 2 + 2))) - 2$
:= $(3^3 \times (333 + 3)) - 3/3 - 33$
:= $((4 \times 4 + 4) \times (444 + 4 + 4)) - (4 + 4)/4$
:= $(5/5 + 5)^5 + ((5 + 5)/5 \times ((5^5 + 5)/5 + 5))$
:= $(6 + 6)/6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) - 6))$
:= $7/7 + (((77 - 7) \times ((7 + 7)/7)^7) + 77)$
:= $8 \times 8 + ((8888 - ((8 + 8)/8)) + 88)$
:= $9 + (((9 \times 999 + (99/9)) + 9) + 9) + 9)$
- 9039 := $((11 + (11 - 1))^{1+1+1}) - (1 + 1) \times 111$
:= $((22 - 2/2)^{2/2+2}) - 222$
:= $(3^3 \times (333 + 3)) - 33$
:= $((4 \times 4 + 4) \times (444 + 4 + 4)) - 4/4$
:= $(5 - (5 + 5)/5) \times (5^5 - (555 + 5)/5)$
:= $(6 \times 6/(6 + 6)) + (6 \times (6 \times 6 \times (6 \times 6 + 6) - 6))$
:= $7 + (((77/7 + 77) + 7)^{(7+7)/7}) + 7$
:= $8 \times 8 + ((8888 - 8/8) + 88)$
:= $9 + (((9 \times (999 - 9)) + 999/9) + 9)$
- 9040 := $(1 + 1 + 111) \times ((11 - 1 - 1)^{1+1} - 1)$
:= $2 \times ((22 - 2) \times (222 + 2 + 2))$
:= $3/3 + ((3^3 \times (333 + 3)) - 33)$
:= $(4 \times 4 + 4) \times (444 + 4 + 4)$
:= $(55/5 + 5) \times (555 + 5 + 5)$
:= $6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) - ((6 + 6)/6))$
:= $7 \times 7 + (777/7 \times ((77/7 - 7) + 77))$
:= $8 \times 8 + (8888 + 88)$
:= $9 \times 999 + ((9 \times 99 - 9)/(9 + 9))$
- 9041 := $1 + ((1 + 1 + 111) \times ((11 - 1 - 1)^{1+1} - 1))$
:= $2 + (((22 - 2/2)^{2/2+2}) - 222)$
:= $3 + ((3^3 \times (333 + 3)) - (3/3 + 33))$
:= $4/4 + ((4 \times 4 + 4) \times (444 + 4 + 4))$
:= $5/5 + ((55/5 + 5) \times (555 + 5 + 5))$
:= $6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) - 6/6)$
:= $77/7 + ((77 - 7) \times (((7 + 7)/7)^7 + 7/7))$
:= $8 + (((88 - 8/8 + 8)^{(8+8)/8}) + 8)$
:= $9 \times 999 + ((9 \times 99 + 9)/(9 + 9))$
- 9042 := $(1 + 1) \times (11 \times (11 + ((1 + 1) \times (11 - 1))^{1+1}))$
:= $22 \times ((22 - 2)^2 + 22/2)$
:= $3 + ((3^3 \times (333 + 3)) - 33)$
:= $(4 + 4)/4 + ((4 \times 4 + 4) \times (444 + 4 + 4))$
:= $(5 - (5 + 5)/5) \times (5^5 - 555/5)$
:= $6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) - 6))$
:= $7 + ((77 \times ((7 \times 7 - 7) + 77)) - ((7 + 7)/7)^7)$
:= $8 \times 8 + ((8888 + ((8 + 8)/8)) + 88)$
:= $(9 \times (999 + 9 + 9)) - 999/9$
- 9043 := $1 + ((1 + 1) \times (11 \times (11 + ((1 + 1) \times (11 - 1))^{1+1})))$
:= $2/2 + (22 \times ((22 - 2)^2 + 22/2))$
:= $3 + (((3^3 \times (333 + 3)) - 33) + 3/3)$
:= $4 + (((4 \times 4 + 4) \times (444 + 4 + 4)) - 4/4)$
:= $((5 \times 5 - 5/5 + 5) \times (5^5 - 5)/5 + 5) - 5$
:= $6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) + 6/6)$
:= $((7 \times 77 - 7) \times ((77 - 7)/7 + 7)) - 7/7$
:= $8 + ((8/8 + 8 \times 8) \times (8 \times (8 + 8) + (88/8)))$
:= $9 \times 9 \times 99 + (((9 + 9)/9)^{9/9+9})$
- 9044 := $(1 + 1) \times (1 + (11 \times (11 + ((1 + 1) \times (11 - 1))^{1+1})))$
:= $2 + (22 \times ((22 - 2)^2 + 22/2))$
:= $((3 \times (3 + 3) + 3)^3) - ((3 + 3)^3 + 3/3)$
:= $4 + ((4 \times 4 + 4) \times (444 + 4 + 4))$
:= $5 + ((5 - (5 + 5)/5) \times (5^5 - (555 + 5)/5))$
:= $6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) + ((6 + 6)/6))$
:= $(7 \times 77 - 7) \times ((77 - 7)/7 + 7)$
:= $(88/8 + 8) \times (88 \times 88/(8 + 8) - 8)$
:= $9 \times (999 + 9) - ((9/9 + 9 + 9) + 9)$
- 9045 := $(1 + 1 + 1) \times (1 + ((111 - 1)/(1 + 1))^{1+1} - 11)$
:= $22 + (((222/2 - 2^{2+2})^2) - 2)$
:= $3 \times (3 \times ((3 \times 333 + 3) + 3))$
:= $4 + (((4 \times 4 + 4) \times (444 + 4 + 4)) + 4/4)$
:= $5 + ((55/5 + 5) \times (555 + 5 + 5))$
:= $6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) + (6 \times 6/(6 + 6)))$
:= $7/7 + ((7 \times 77 - 7) \times ((77 - 7)/7 + 7))$
:= $(8/8 + 8) \times (8 \times 8 \times (8 + 8) - (88/8 + 8))$
:= $9 \times (999 + 9) - (9 + 9 + 9)$
- 9046 := $((111 - 1 - 1) \times (1 + (1 + (11 - 1 - 1))^{1+1})) - 1$
:= $2 + (22 \times ((22 - 2)^2 + 22/2) + 2)$
:= $3/3 + (3 \times (3 \times ((3 \times 333 + 3) + 3)))$
:= $4 + (((4 \times 4 + 4) \times (444 + 4 + 4)) + (4 + 4)/4)$
:= $(5/5 + 5)^5 + ((5 \times (5 \times 5 \times (5 + 5) + 5)) - 5)$
:= $((66 - 6)/6) + (6 \times (6 \times 6 \times (6 \times 6 + 6) - 6))$
:= $((7 + 7)/7)^7 + (7 \times (7 + 7) \times (77 + 7 + 7))$
:= $((88 - 8/8) \times (88 + 8 + 8)) - (8 + 8)/8$
:= $9/9 + (9 \times (999 + 9) - (9 + 9 + 9))$
- 9047 := $(111 - 1 - 1) \times (1 + (1 + (11 - 1 - 1))^{1+1})$
:= $22 + ((222/2 - 2^{2+2})^2)$
:= $3 + (((3 \times (3 + 3)) + 3)^3) - ((3 + 3)^3 + 3/3)$
:= $4 + (((4 \times 4 + 4) \times (444 + 4 + 4)) - 4/4) + 4$
:= $5 + ((5 - (5 + 5)/5) \times (5^5 - 555/5))$
:= $66/6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) - 6))$
:= $((7 + 7 + 7)/7)^7 + (7 \times (7 + 7) \times (77 - 7))$
:= $((88 - 8/8) \times (88 + 8 + 8)) - 8/8$
:= $9 \times 999 + ((999 + 9)/(9 + 9))$

$$\begin{aligned}
\blacktriangleright 9048 &:= 1 + ((111 - 1 - 1) \times (1 + (1 + (11 - 1 - 1)^{1+1}))) \\
&:= 2 \times (2 \times (2222 + 2 \times (22 - 2))) \\
&:= 3 + (3 \times (3 \times (3 \times 333 + 3) + 3)) \\
&:= 4 + (((4 \times 4 + 4) \times (444 + 4 + 4)) + 4) \\
&:= (5 \times 5 - 5/5 + 5) \times (5^5 - 5)/(5 + 5) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) + 6) \\
&:= (7/7 + 77) \times ((77/7 + 7 \times (7 + 7)) + 7) \\
&:= (88 - 8/8) \times (88 + 8 + 8) \\
&:= (9 - 9/9) \times (((9999 + 99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9049 &:= 11111 - (1 + (1 + (1 + (11 + (1 + 1)^{11})))) \\
&:= 2 + (((222/2 - 2^{2+2})^2) + 22) \\
&:= 3 + ((3 \times (3 \times (3 \times 333 + 3) + 3)) + 3/3) \\
&:= 4 + (((4 \times 4 + 4) \times (444 + 4 + 4)) + 4/4 + 4) \\
&:= 5^5 + (((5 \times (555 + 5)) - 5/5) + 5^5) \\
&:= 6 + (((6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) + 6/6) + 6) \\
&:= 7 \times 7 + ((7/7 + 7) \times ((7777/7 + 7) + 7)) \\
&:= 8/8 + ((88 - 8/8) \times (88 + 8 + 8)) \\
&:= 9 \times (9 \times 99 - 9) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9050 &:= 11111 - (1 + (1 + (11 + (1 + 1)^{11}))) \\
&:= 2 + (2 \times (2 \times (2222 + 2 \times (22 - 2)))) \\
&:= 3^3 + (((3^3 \times 333) - 3/3) + 33) \\
&:= (4 + 4)/4 \times (4444 + (4 - 4/4)^4) \\
&:= 5 \times (((5 \times 5 + 5) \times (55 + 5) + 5) + 5) \\
&:= 6 \times 6 \times 6 \times (6 \times 6 + 6) - ((66 + 66)/6) \\
&:= ((77 - 7)/7) \times (((7 + 7)/7)^7 + 777) \\
&:= (8 + 8)/8 + ((88 - 8/8) \times (88 + 8 + 8)) \\
&:= 9 \times (999 + 9) - ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9051 &:= 11111 - (1 + (11 + (1 + 1)^{11})) \\
&:= 2 + (((222/2 - 2^{2+2})^2) + 22) + 2) \\
&:= 3^3 + ((3^3 \times 333) + 33) \\
&:= 44/4 + ((4 \times 4 + 4) \times (444 + 4 + 4)) \\
&:= (5/5 + 5)^5 + (5 \times (5 \times 5 \times (5 + 5) + 5)) \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 \times 6 - (6 \times 6)/(6 + 6)) \\
&:= 7 + ((7 \times 77 - 7) \times ((77 - 7)/7 + 7)) \\
&:= 8 \times 8 + ((8888 + (88/8)) + 88) \\
&:= 9 \times (999 + 9) - ((99 + 9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9052 &:= 11111 - (11 + (1 + 1)^{11}) \\
&:= 2 \times (((2 \times (22 + 2))^2) + 2222) \\
&:= ((3/3 + 3)^3) + ((3^3 \times 333) - 3) \\
&:= 4^4 + (((4 \times 4 + 4) \times (444 - 4)) - 4) \\
&:= 5 + (((5 - (5 + 5)/5) \times (5^5 - 555/5)) + 5) \\
&:= ((6/6 + 6) \times (6 \times 6 \times 6 \times 6 - ((6 + 6)/6))) - 4 \\
&:= (77 \times ((7 \times 7 - 7) + 77)) - 777/7 \\
&:= (88 \times (888/8 - 8)) - (88 + 8)/8 \\
&:= 9 \times (999 + 9) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9053 &:= 1 + (11111 - (11 + (1 + 1)^{11})) \\
&:= 2/2 + (2 \times (((2 \times (22 + 2))^2) + 2222)) \\
&:= (33/3)^3 + (3 \times (33 \times (3 \times 3^3 - 3))) \\
&:= 44 + (((4 \times 4 + 4/4)^{4-4/4}) + (4 + 4)^4) \\
&:= 5 + ((5 \times 5 - 5/5 + 5) \times (5^5 - 5)/(5 + 5)) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) + (66/6)) \\
&:= (7 \times (7 \times (7 - 7 \times 7))) + 77777/7 \\
&:= 88/8 \times (888 - (8/8 + 8 \times 8)) \\
&:= 9 \times (999 + 9) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9054 &:= 1 + (1 + (11111 - (11 + (1 + 1)^{11}))) \\
&:= 2 + (2 \times (((2 \times (22 + 2))^2) + 2222)) \\
&:= 3 \times ((3 \times (3 \times 333 + 3) + 3)) + 3 \\
&:= (4/4 + 4 + 4) \times (4 \times (4^4 - 4) - (4 + 4)/4) \\
&:= 55 + ((5 \times (5 \times 5 + 5) \times (55 + 5)) - 5/5) \\
&:= 6 \times 6 \times 6 \times (6 \times 6 + 6) - 6 - 6 - 6 \\
&:= (7 \times ((7 \times (7 + 7) \times (7 + 7)) - 77)) - 77/7 \\
&:= (8 - 88)/8 + (88 \times (888/8 - 8)) \\
&:= (9 + 9) \times (((9 + 9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9055 &:= 1 + (1 + (1 + (11111 - (11 + (1 + 1)^{11})))) \\
&:= 2^{2 \times (2+2)} + (22 \times (22 - 2)^2 - 2/2) \\
&:= ((3/3 + 3)^3) + (3^3 \times 333) \\
&:= 4^4 + (((4 \times 4 + 4) \times (444 - 4)) - 4/4) \\
&:= 55 + (5 \times (5 \times 5 + 5) \times (55 + 5)) \\
&:= 6 \times 6 \times 6 \times (6 \times 6 + 6) - (66/6 + 6) \\
&:= 7 + ((7/7 + 77) \times ((77/7 + 7 \times (7 + 7)) + 7)) \\
&:= (88 \times (888/8 - 8)) - (8/8 + 8) \\
&:= 9/9 + ((9 + 9) \times (((9 + 9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9056 &:= (1 + 1)^{1+1+1} \times (11 + (11 + (1111 - 1))) \\
&:= 2 \times (2 \times ((2222 - 2) + 2 \times 22)) \\
&:= 3/3 + ((3^3 \times 333) + ((3/3 + 3)^3)) \\
&:= 4 \times ((4/4 + 4) \times 444 + 44) \\
&:= (55/5 + 5) \times (555 + (55/5)) \\
&:= (6 - 66)/6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - 6) \\
&:= (7/7 + 7) \times (((7777/7 + 7) + 7) + 7) \\
&:= (88 \times (888/8 - 8)) - 8 \\
&:= (9 + 9)/9 + ((9 + 9) \times (((9 + 9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9057 &:= 11111 - ((1 + 1)^{11} + ((1 + 1) \times (1 + 1 + 1))) \\
&:= ((22/2 + 2)^2) + (2 \times (2 \times 2222)) \\
&:= 33 + ((3^3 \times 333) + 33) \\
&:= 4/4 + (((4 \times 4 + 4) \times (444 - 4)) + 4^4) \\
&:= (5 - (5 + 5)/5) \times ((5^5 - 555/5) + 5) \\
&:= 6 + ((6/6 + 6) \times (6 \times 6 \times 6 \times 6 - (6 \times 6)/(6 + 6))) \\
&:= (7 \times ((7 \times (7 + 7) \times (7 + 7)) - 77)) - (7/7 + 7) \\
&:= 8/8 + ((88 \times (888/8 - 8)) - 8) \\
&:= 9 \times 999 + ((9 + 9) \times 99/(9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9058 &:= 11111 - (1 + (1 + (1 + (1 + (1 + 1)^{11})))) \\
&:= 222 + (((2 \times (2 \times 22 + 2)) + 2)^2) \\
&:= 3 + ((3^3 \times 333) + ((3/3 + 3)^3)) \\
&:= 4 + (((4/4 + 4 + 4) \times (4 \times (4^4 - 4) - (4 + 4)/4)) \\
&:= 5 + (((5 \times 5 - 5/5 + 5) \times (5^5 - 5)/(5 + 5)) + 5) \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 \times 6 - ((6 + 6)/6)) \\
&:= (7 \times ((7 \times (7 + 7) \times (7 + 7)) - 77)) - 7 \\
&:= (8 + 8)/8 + ((88 \times (888/8 - 8)) - 8) \\
&:= 9 + (9 \times (9 \times 99 - 9) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9059 &:= 11111 - (1 + (1 + (1 + (1 + 1)^{11}))) \\
&:= 2 + ((2 \times (2 \times 2222)) + ((22/2 + 2)^2)) \\
&:= ((3 - 33)/3) + ((3^3 \times (333 + 3)) - 3) \\
&:= 44444/4 - (4^4 \times (4 + 4) + 4) \\
&:= ((5 + 5 + 5) \times ((55 \times 55 - 5)/5)) - 5/5 \\
&:= 6 \times 6 \times 6 \times (6 \times 6 + 6) - (6/6 + 6 + 6) \\
&:= 7/7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7)) - 77)) - 7) \\
&:= 88/8 + ((88 - 8/8) \times (88 + 8 + 8)) \\
&:= 9 \times (999 + 9) - (99 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9060 &:= 11111 - (1 + (1 + (1 + (1 + 1)^{11}))) \\
&:= 2 \times (2 \times (2222 + 2 \times 22) - 2) \\
&:= (3^3 \times (333 + 3)) - (3 \times 3 + 3) \\
&:= 4 + (((4 \times 4 + 4) \times (444 - 4)) + 4^4) \\
&:= (5 + 5 + 5) \times ((55 \times 55 - 5)/5) \\
&:= 6 \times 6 \times 6 \times (6 \times 6 + 6) - 6 - 6 \\
&:= 7 + (77777/7 + (7 \times (7 \times (7 - 7 \times 7)))) \\
&:= (88 \times (888/8 - 8)) - 8 \times 8/(8 + 8) \\
&:= 9 \times (999 + 9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9061 &:= 11111 - (1 + (1 + (1 + 1)^{11})) \\
&:= (222 - 2/2) \times (2 \times (22 - 2) + 2/2) \\
&:= (3^3 \times (333 + 3)) - 33/3 \\
&:= ((4 - 4/4)^{4+4}) + (4 \times (4/4 + 4)^4) \\
&:= 5 + ((55/5 + 5) \times (555 + (55/5))) \\
&:= 6 \times 6 \times 6 \times (6 \times 6 + 6) - 66/6 \\
&:= (7 - 7/7 + 7) \times ((7 \times 7 \times (7 + 7)) + (77/7)) \\
&:= 8 + (88/8 \times (888 - (8/8 + 8 \times 8))) \\
&:= 9 \times (999 + 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9062 &:= 11111 - (1 + (1 + 1)^{11}) \\
&:= (2 \times 2 \times (2222 + 2 \times 22)) - 2 \\
&:= ((3 - 33)/3) + (3^3 \times (333 + 3)) \\
&:= (4 - 44)/4 + ((4^4 - 4) \times (4 \times (4 + 4) + 4)) \\
&:= 5^5 + ((5^5 - (5^5 + 5))/(5 + 5)) + 5^5 \\
&:= (6 - 66)/6 + 6 \times 6 \times 6 \times (6 \times 6 + 6) \\
&:= ((7 - 77)/7) + (7 \times (7 - 7/7)^{77/7-7}) \\
&:= (88 \times (888/8 - 8)) - (8 + 8)/8 \\
&:= 9 \times (999 + 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9063 &:= 11111 - (1+1)^{11} \\
&:= 22222/2 - 2^{22/2} \\
&:= 3 \times ((3 \times (3 \times (333+3))) - 3) \\
&:= (4/4 + 4 + 4) \times (4 \times (4^4 - 4) - 4/4) \\
&:= 5^5 + (((5 - 5^5)/(5+5)) + 5^5) + 5^5 \\
&:= (((6 - 66) + 6)/6) + 6 \times 6 \times 6 \times (6 \times 6 + 6) \\
&:= (7 \times ((7 \times (7+7) \times (7+7)) - 77)) - (7+7)/7 \\
&:= (88 \times (888/8 - 8)) - 8/8 \\
&:= 9 \times (999+9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9064 &:= 1 + (11111 - (1+1)^{11}) \\
&:= 2 \times 2 \times (2222 + 2 \times 22) \\
&:= 3 + (3^3 \times (333+3)) - 33/3 \\
&:= ((4^4 - 4) \times (4 \times (4+4) + 4)) - 4 - 4 \\
&:= 55/5 \times (55 \times (5+5+5) - 5/5) \\
&:= 6 \times 6 \times 6 \times (6 \times 6 + 6) - ((6+6)/6 + 6) \\
&:= (7 \times ((7 \times (7+7) \times (7+7)) - 77)) - 7/7 \\
&:= 88 \times (888/8 - 8) \\
&:= 9/9 + (9 \times (999+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9065 &:= 1 + (1 + (11111 - (1+1)^{11})) \\
&:= 2 + (22222/2 - 2^{22/2}) \\
&:= (3^3 \times (333+3)) - (3/3 + 3 + 3) \\
&:= 4 + (((4 - 4/4)^{4+4}) + (4 \times (4/4 + 4)^4)) \\
&:= 5 + ((5+5+5) \times ((55 \times 55 - 5)/5)) \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 \times 6 - 6/6) \\
&:= 7 \times ((7 \times (7+7) \times (7+7)) - 77) \\
&:= 8/8 + (88 \times (888/8 - 8)) \\
&:= (9+9)/9 + (9 \times (999+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9066 &:= 1 + (1 + (1 + (11111 - (1+1)^{11}))) \\
&:= 2 + (2 \times 2 \times (2222 + 2 \times 22)) \\
&:= (3^3 \times (333+3)) - 3 - 3 \\
&:= ((4^4 - 4) \times (4 \times (4+4) + 4)) - ((4+4)/4 + 4) \\
&:= (5/5 + 5) \times ((5 \times 5 \times (55+5)) + (55/5)) \\
&:= 6 \times 6 \times 6 \times (6 \times 6 + 6) - 6 \\
&:= 7/7 + (7 \times ((7 \times (7+7) \times (7+7)) - 77)) \\
&:= (8+8)/8 + (88 \times (888/8 - 8)) \\
&:= ((9+9+9)/9) + (9 \times (999+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9067 &:= 1 + (1 + (1 + (1 + (11111 - (1+1)^{11})))) \\
&:= 2 + ((22222/2 - 2^{22/2}) + 2) \\
&:= 3/3 + ((3^3 \times (333+3)) - (3+3)) \\
&:= ((4^4 - 4) \times (4 \times (4+4) + 4)) - 4/4 - 4 \\
&:= (5/5 + 5)^5 + (((5/5 + 5)^{5-5/5}) - 5) \\
&:= 6/6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - 6) \\
&:= (7+7)/7 + (7 \times ((7 \times (7+7) \times (7+7)) - 77)) \\
&:= 88/8 + ((88 \times (888/8 - 8)) - 8) \\
&:= ((9 - 99)/(9+9)) + 9 \times (999+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9068 &:= 1 + (1 + (1 + (1 + (1 + (11111 - (1+1)^{11})))))) \\
&:= 2 \times (2 \times (2222 + 2 \times 22) + 2) \\
&:= (3^3 \times (333+3)) - (3/3 + 3) \\
&:= ((4^4 - 4) \times (4 \times (4+4) + 4)) - 4 \\
&:= 5 + (((5 - 5^5)/(5+5)) + 5^5) + 5^5 + 5^5 \\
&:= (6+6)/6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - 6) \\
&:= (77 \times (777/7 + 7)) - (77/7 + 7) \\
&:= 8 \times 8/(8+8) + (88 \times (888/8 - 8)) \\
&:= ((9 - 9 \times 9)/(9+9)) + 9 \times (999+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9069 &:= (1 + 1 + 1) \times (((111 - 1)/(1+1))^{1+1} - 1 - 1) \\
&:= 2 \times 22 + ((222/2 - 2^{2+2})^2) \\
&:= (3^3 \times (333+3)) - 3 \\
&:= 4/4 + (((4^4 - 4) \times (4 \times (4+4) + 4)) - 4) \\
&:= 5 + (55/5 \times (55 \times (5+5+5) - 5/5)) \\
&:= 6 \times 6 \times 6 \times (6 \times 6 + 6) - 6 \times 6/(6+6) \\
&:= 77/7 + ((7 \times ((7 \times (7+7) \times (7+7)) - 77)) - 7) \\
&:= 888 + ((8 \times 8 \times 8 \times (8+8)) - (88/8)) \\
&:= 9 \times (999+9) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9070 &:= ((1 + 111) \times (11 - 1 - 1)^{1+1}) - 1 - 1 \\
&:= ((22 + 2) \times ((22 - 2)^2 - 22)) - 2 \\
&:= 3/3 + ((3^3 \times (333+3)) - 3) \\
&:= ((4^4 - 4) \times (4 \times (4+4) + 4)) - (4+4)/4 \\
&:= (55 \times ((5 \times ((5+5)/5)^5) + 5)) - 5 \\
&:= 6 \times 6 \times 6 \times (6 \times 6 + 6) - (6+6)/6 \\
&:= (7 \times (7 - 7/7)^{77/7-7}) - (7+7)/7 \\
&:= 8 + ((88 \times (888/8 - 8)) - ((8+8)/8)) \\
&:= 9 \times (999+9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9071 &:= ((1 + 111) \times (11 - 1 - 1)^{1+1}) - 1 \\
&:= ((22 + 2) \times ((22 - 2)^2 - 22)) - 2/2 \\
&:= (3^3 \times (333+3)) - 3/3 \\
&:= ((4^4 - 4) \times (4 \times (4+4) + 4)) - 4/4 \\
&:= 5/5 + ((55 \times ((5 \times ((5+5)/5)^5) + 5)) - 5) \\
&:= 6 \times 6 \times 6 \times (6 \times 6 + 6) - 6/6 \\
&:= (7 \times (7 - 7/7)^{77/7-7}) - 7/7 \\
&:= 8 + ((88 \times (888/8 - 8)) - 8/8) \\
&:= 9 \times (999+9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9072 &:= (1 + 111) \times (11 - 1 - 1)^{1+1} \\
&:= (22 + 2) \times ((22 - 2)^2 - 22) \\
&:= 3^3 \times (333+3) \\
&:= (4^4 - 4) \times (4 \times (4+4) + 4) \\
&:= (5/5 + 5)^5 + ((5/5 + 5)^{5-5/5}) \\
&:= 6 \times 6 \times 6 \times (6 \times 6 + 6) \\
&:= 7 \times (7 - 7/7)^{77/7-7} \\
&:= 8 + (88 \times (888/8 - 8)) \\
&:= 9 \times (999+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9073 &:= 1 + ((1 + 111) \times (11 - 1 - 1)^{1+1}) \\
&:= 2/2 + ((22 + 2) \times ((22 - 2)^2 - 22)) \\
&:= 3/3 + (3^3 \times (333+3)) \\
&:= 4/4 + ((4^4 - 4) \times (4 \times (4+4) + 4)) \\
&:= (55 \times ((5 \times ((5+5)/5)^5) + 5)) - (5+5)/5 \\
&:= 6/6 + 6 \times 6 \times 6 \times (6 \times 6 + 6) \\
&:= 7/7 + (7 \times (7 - 7/7)^{77/7-7}) \\
&:= 8 + ((88 \times (888/8 - 8)) + 8/8) \\
&:= 9/9 + 9 \times (999+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9074 &:= 11 + (11111 - (1+1)^{11}) \\
&:= 2 + ((22 + 2) \times ((22 - 2)^2 - 22)) \\
&:= 3 + ((3^3 \times (333+3)) - 3/3) \\
&:= (4+4)/4 + ((4^4 - 4) \times (4 \times (4+4) + 4)) \\
&:= (55 \times ((5 \times ((5+5)/5)^5) + 5)) - 5/5 \\
&:= (6+6)/6 + 6 \times 6 \times 6 \times (6 \times 6 + 6) \\
&:= 7 \times 7 + (((77/7 + 77) + 7)^{(7+7)/7}) \\
&:= 8 + ((88 \times (888/8 - 8)) + ((8+8)/8)) \\
&:= (9+9)/9 + 9 \times (999+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9075 &:= (1 + 1 + 1) \times (((111 - 1)/(1+1))^{1+1}) \\
&:= (2/2 + 2) \times (22/2 + 2 \times 22)^2 \\
&:= 3 + (3^3 \times (333+3)) \\
&:= 4 + (((4^4 - 4) \times (4 \times (4+4) + 4)) - 4/4) \\
&:= 55 \times ((5 \times ((5+5)/5)^5) + 5) \\
&:= (6 \times 6/(6+6)) + 6 \times 6 \times 6 \times (6 \times 6 + 6) \\
&:= 77/7 \times ((777 - 7/7) + 7 \times 7) \\
&:= 88/8 + (88 \times (888/8 - 8)) \\
&:= ((9+9+9)/9) + 9 \times (999+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9076 &:= 1 + (1 + 1 + 1) \times (((111 - 1)/(1+1))^{1+1}) \\
&:= 2 \times ((2 \times (2^{22/2} + 222)) - 2) \\
&:= 3 + ((3^3 \times (333+3)) + 3/3) \\
&:= 4 + ((4^4 - 4) \times (4 \times (4+4) + 4)) \\
&:= 5/5 + (55 \times ((5 \times ((5+5)/5)^5) + 5)) \\
&:= 6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - ((6+6)/6)) \\
&:= 77/7 + (7 \times ((7 \times (7+7) \times (7+7)) - 77)) \\
&:= ((88+8)/8) + (88 \times (888/8 - 8)) \\
&:= 9 \times (999+9) + ((9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9077 &:= 1 + 1 + (1 + 1 + 1) \times (((111 - 1)/(1+1))^{1+1}) \\
&:= 2 + ((2/2 + 2) \times (22/2 + 2 \times 22)^2) \\
&:= 3 + (((3^3 \times (333+3)) - 3/3) + 3) \\
&:= 4 + (((4^4 - 4) \times (4 \times (4+4) + 4)) + 4/4) \\
&:= (5 \times 5 - 5/5 + 5) \times (5^5 + 5)/(5+5) \\
&:= 6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - 6/6) \\
&:= (77 \times (777/7 + 7)) - ((7+7)/7 + 7) \\
&:= ((8+8) \times (8 \times (8 \times 8 + 8) - 8)) - 88/8 \\
&:= 9 \times (999+9) + ((9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9078 &:= 1+1+1+(1+1+1) \times ((111-1)/(1+1))^{1+1} \\
&:= (2 \times (2 \times (2^{22/2} + 222))) - 2 \\
&:= 3 + ((3^3 \times (333+3)) + 3) \\
&:= 4 + (((4^4 - 4) \times (4 \times (4+4) + 4)) + (4+4)/4) \\
&:= (5 - (5+5)/5) \times (55 \times 55 + 5/5) \\
&:= 6 + 6 \times 6 \times 6 \times (6 \times 6 + 6) \\
&:= (77 \times (777/7 + 7)) - (7/7 + 7) \\
&:= (8/8 + 88) \times ((888 - 8)/8 - 8) \\
&:= 9 + (9 \times (999 + 9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9079 &:= 1 + (1+1+1) \times (1 + ((111-1)/(1+1))^{1+1}) \\
&:= (2 \times (2 \times (2^{22/2} + 222))) - 2/2 \\
&:= 3 + (((3^3 \times (333+3)) + 3/3) + 3) \\
&:= 4 + (((4^4 - 4) \times (4 \times (4+4) + 4)) - 4/4) + 4) \\
&:= 5 + ((55 \times ((5 \times ((5+5)/5)^5) + 5)) - 5/5) \\
&:= 6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + 6/6) \\
&:= (77 \times (777/7 + 7)) - 7 \\
&:= 888 + ((8 \times 8 \times 8 \times (8+8)) - 8/8) \\
&:= 9 + (9 \times (999 + 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9080 &:= (1+1) \times ((1+1) \times ((1+1)^{11} + (1+1) \times 111)) \\
&:= 2 \times (2 \times (2^{22/2} + 222)) \\
&:= 3 \times 3 + ((3^3 \times (333+3)) - 3/3) \\
&:= 4 + (((4^4 - 4) \times (4 \times (4+4) + 4)) + 4) \\
&:= 5 + (55 \times ((5 \times ((5+5)/5)^5) + 5)) \\
&:= 6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + ((6+6)/6)) \\
&:= 7/7 + ((77 \times (777/7 + 7)) - 7) \\
&:= 888 + (8 \times 8 \times 8 \times (8+8)) \\
&:= 9 + (9 \times (999 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9081 &:= (1+1+1) \times (1+1 + ((111-1)/(1+1))^{1+1}) \\
&:= 2/2 + (2 \times (2 \times (2^{22/2} + 222))) \\
&:= 3 \times (3 \times (3 \times (333+3))) + 3) \\
&:= (4/4 + 4 + 4) \times (4 \times (4^4 - 4) + 4/4) \\
&:= 5 + ((55 \times ((5 \times ((5+5)/5)^5) + 5)) + 5/5) \\
&:= 6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + (6 \times 6/(6+6))) \\
&:= (((7+7)/7)^7 \times ((7/7 - 7) + 77)) - 7 \\
&:= 8/8 + ((8 \times 8 \times 8 \times (8+8)) + 888) \\
&:= 9 + 9 \times (999 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9082 &:= 11 + (((1+111) \times (11-1-1)^{1+1}) - 1) \\
&:= 2 + (2 \times (2 \times (2^{22/2} + 222))) \\
&:= 3 \times 3 + ((3^3 \times (333+3)) + 3/3) \\
&:= (4+4)/4 \times ((444 + (4+4)^4) + 4/4) \\
&:= 5 + ((5 \times 5 - 5/5 + 5) \times (5^5 + 5)/(5+5)) \\
&:= ((66-6)/6) + 6 \times 6 \times 6 \times (6 \times 6 + 6) \\
&:= 7 + (77/7 \times ((777 - 7/7) + 7 \times 7)) \\
&:= 888 + ((8 \times 8 \times 8 \times (8+8)) + ((8+8)/8)) \\
&:= 9 + (9 \times (999 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9083 &:= 11 + ((1+111) \times (11-1-1)^{1+1}) \\
&:= 2 + (2 \times (2 \times (2^{22/2} + 222))) + 2/2) \\
&:= 33/3 + (3^3 \times (333+3)) \\
&:= 44/4 + ((4^4 - 4) \times (4 \times (4+4) + 4)) \\
&:= 5 + ((5 - (5+5)/5) \times (55 \times 55 + 5/5)) \\
&:= 66/6 + 6 \times 6 \times 6 \times (6 \times 6 + 6) \\
&:= 77/7 + (7 \times (7 - 7/7)^{77/7-7}) \\
&:= 8 + ((88 \times (888/8 - 8)) + (88/8)) \\
&:= 99/9 + 9 \times (999 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9084 &:= 1 + (11 + ((1+111) \times (11-1-1)^{1+1})) \\
&:= 2 \times (2 \times (2^{22/2} + 222)) + 2) \\
&:= 3 + ((3^3 \times (333+3)) + 3 \times 3) \\
&:= (4 \times ((4+4) \times (4^4 - 4) + 4^4)) - 4 \\
&:= 5 + (((55 \times ((5 \times ((5+5)/5)^5) + 5)) - 5/5) + 5) \\
&:= 6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + 6) \\
&:= (77 \times (777/7 + 7)) - (7+7)/7 \\
&:= ((88+8)/8) \times (8 \times (88+8) - (88/8)) \\
&:= (99+9)/9 + 9 \times (999 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9085 &:= 11 + (11 + (11111 - (1+1)^{11})) \\
&:= 22 + (22222/2 - 2^{22/2}) \\
&:= 3 + (((3^3 \times (333+3)) + 3 \times 3) + 3/3) \\
&:= 4 + ((4/4 + 4 + 4) \times (4 \times (4^4 - 4) + 4/4)) \\
&:= 5 + ((55 \times ((5 \times ((5+5)/5)^5) + 5)) + 5) \\
&:= 6 + ((6 \times 6 \times 6 \times (6 \times 6 + 6) + 6/6) + 6) \\
&:= (77 \times (777/7 + 7)) - 7/7 \\
&:= 8 + (((8+8) \times (8 \times (8 \times 8 + 8) - 8)) - (88/8)) \\
&:= 9 \times (999 + 9) + ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9086 &:= 11 \times ((1+1)^{11} - (1+11 \times 111)) \\
&:= 22 \times (((22-2)^2 + 22/2) + 2) \\
&:= 3 + ((3^3 \times (333+3)) + 33/3) \\
&:= (4 \times ((4+4) \times (4^4 - 4) + 4^4)) - (4+4)/4 \\
&:= 55/5 \times (55 \times (5+5+5) + 5/5) \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 \times 6 + ((6+6)/6)) \\
&:= 77 \times (777/7 + 7) \\
&:= ((8+8) \times (8 \times (8 \times 8 + 8) - 8)) - (8+8)/8 \\
&:= 9 + (9 \times (999 + 9) + ((9 \times 9 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9087 &:= 1 + (11 \times ((1+1)^{11} - (1+11 \times 111))) \\
&:= 2/2 + (22 \times (((22-2)^2 + 22/2) + 2)) \\
&:= 3 \times 33 + ((3^3 \times 333) - 3) \\
&:= (4 \times ((4+4) \times (4^4 - 4) + 4^4)) - 4/4 \\
&:= (5 - (5+5)/5) \times ((55 \times 55 - 5/5) + 5) \\
&:= 6 + ((6 \times 6 \times 6 \times (6 \times 6 + 6) + (6 \times 6/(6+6))) + 6) \\
&:= 7/7 + (77 \times (777/7 + 7)) \\
&:= ((8+8) \times (8 \times (8 \times 8 + 8) - 8)) - 8/8 \\
&:= 99 + (9 \times 999 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9088 &:= 1 + (1 + (11 \times ((1+1)^{11} - (1+11 \times 111)))) \\
&:= 2 \times (2 \times ((2^{22/2} + 222) + 2)) \\
&:= 3^3 + ((3^3 \times (333+3)) - 33/3) \\
&:= 4 \times ((4+4) \times (4^4 - 4) + 4^4) \\
&:= (55/5 + 5) \times ((5^5 - 5 - 5)/5 - 55) \\
&:= 6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + ((66-6)/6)) \\
&:= ((7+7)/7)^7 \times ((7/7 - 7) + 77) \\
&:= (8+8) \times (8 \times (8 \times 8 + 8) - 8) \\
&:= 99 + (9 \times 999 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9089 &:= ((1 + (11-1)^{1+1})^{1+1}) - (1+1111) \\
&:= 2/2 + (2 \times (2 \times (2^{22/2} + 222) + 2)) \\
&:= 3 \times 33 + ((3^3 \times 333) - 3/3) \\
&:= 4/4 + (4 \times ((4+4) \times (4^4 - 4) + 4^4)) \\
&:= ((55+5/5) + 5) \times (5 \times (5 \times 5 + 5) - 5/5) \\
&:= 6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + (66/6)) \\
&:= 7/7 + (((7+7)/7)^7 \times ((7/7 - 7) + 77)) \\
&:= 8/8 + ((8+8) \times (8 \times (8 \times 8 + 8) - 8)) \\
&:= 99 + (9 \times 999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9090 &:= (11-1-1) \times ((11111-1)/11) \\
&:= 2 + (2 \times (2 \times (2^{22/2} + 222) + 2)) \\
&:= 3 \times (3 \times 3 \times 333 + 33) \\
&:= (4+4)/4 + (4 \times ((4+4) \times (4^4 - 4) + 4^4)) \\
&:= (5+5+5) \times ((55 \times 55 + 5)/5) \\
&:= 6 + ((6 \times 6 \times 6 \times (6 \times 6 + 6) + 6) + 6) \\
&:= 77/7 + ((77 \times (777/7 + 7)) - 7) \\
&:= (8+8)/8 + ((8+8) \times (8 \times (8 \times 8 + 8) - 8)) \\
&:= 99 + 9 \times 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9091 &:= (1 + ((11-1)^{1+1+1+1+1}))/11 \\
&:= 22/2 + (2 \times (2 \times (2^{22/2} + 222))) \\
&:= 3/3 + ((3^3 \times 333) + 3 \times 33) \\
&:= 4 + ((4 \times ((4+4) \times (4^4 - 4) + 4^4)) - 4/4) \\
&:= 5 + (55/5 \times (55 \times (5+5+5) + 5/5)) \\
&:= 6 + (((6 \times 6 \times 6 \times (6 \times 6 + 6) + 6/6) + 6) + 6) \\
&:= 7 + ((77 \times (777/7 + 7)) - ((7+7)/7)) \\
&:= 888 + ((8 \times 8 \times 8 \times (8+8)) + (88/8)) \\
&:= 9/9 + (9 \times 999 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9092 &:= 1 + ((1 + ((11-1)^{1+1+1+1+1}))/11) \\
&:= 2 \times (2 \times ((2^{22/2} + 222) + 2)) + 2) \\
&:= 3 + (((3^3 \times 333) - 3/3) + 3 \times 33) \\
&:= 4 + (4 \times ((4+4) \times (4^4 - 4) + 4^4)) \\
&:= 5 + ((5 - (5+5)/5) \times ((55 \times 55 - 5/5) + 5)) \\
&:= 6 + ((6/6 + 6) \times (6 \times 6 \times 6 \times 6 + ((6+6)/6))) \\
&:= 7 + ((77 \times (777/7 + 7)) - 7/7) \\
&:= 8 \times 8/(8+8) + ((8+8) \times (8 \times (8 \times 8 + 8) - 8)) \\
&:= 9 + (9 \times (999 + 9) + (99/9))
\end{aligned}$$

- 9093 := $1 + (1 + ((1 + ((11 - 1)^{1+1+1+1+1}))/11))$
:= $(2/2 - 22) \times (22/2 - 2 \times 222)$
:= $3 + ((3^3 \times 333) + 3 \times 33)$
:= $4 + ((4 \times ((4 + 4) \times (4^4 - 4) + 4^4)) + 4/4)$
:= $(5 - (5 + 5)/5) \times ((55 \times 55 + 5/5) + 5)$
:= $(6/6 + 6) \times (6 \times 6 \times 6 \times 6 + (6 \times 6/(6 + 6)))$
:= $7 + (77 \times (777/7 + 7))$
:= $8 + (((8 + 8) \times (8 \times (8 \times 8 + 8) - 8)) - (88/8) + 8)$
:= $9 \times 999 + (999/9 - 9)$
- 9094 := $1 + (1 + (1 + (1 + ((11 - 1)^{1+1+1+1+1}))/11))$
:= $22 + ((22 + 2) \times ((22 - 2)^2 - 22))$
:= $3 + (((3^3 \times 333) + 3 \times 33) + 3/3)$
:= $4 + ((4 \times ((4 + 4) \times (4^4 - 4) + 4^4)) + (4 + 4)/4)$
:= $5 + (((55 + 5/5) + 5) \times (5 \times (5 \times 5 + 5) - 5/5))$
:= $((66 + 66)/6) + 6 \times 6 \times 6 \times (6 \times 6 + 6)$
:= $7 + (77 \times (777/7 + 7) + 7/7)$
:= $8 + (((8 + 8) \times (8 \times (8 \times 8 + 8) - 8)) - ((8 + 8)/8))$
:= $9 \times 999 + (((999 + 9)/9) - 9)$
- 9095 := $((11 - 1 - 1) \times (1 + 1)^{11-1}) - 11^{1+1}$
:= $(2 \times 2 \times (22 + 2))^2 - (22/2)^2$
:= $3^3 + ((3^3 \times (333 + 3)) - (3/3 + 3))$
:= $((4 - 4/4)^4 + 4) \times (444/4 - 4)$
:= $5 + ((5 + 5 + 5) \times ((55 \times 55 + 5)/5))$
:= $6 + ((6 \times 6 \times 6 \times (6 \times 6 + 6) + (66/6)) + 6)$
:= $7 + (((7 + 7)/7)^7 \times ((7/7 - 7) + 77))$
:= $8 + (((8 + 8) \times (8 \times (8 \times 8 + 8) - 8)) - 8/8)$
:= $99 + (((9 \times 9 + 9)/(9 + 9)) + 9 \times 999)$
- 9096 := $(11 \times ((1 + 1)^{11} - 11 \times 111)) - 1$
:= $2 \times ((2 \times (22 + 2) + 2)^2 + 2^{22/2})$
:= $3^3 + ((3^3 \times (333 + 3)) - 3)$
:= $(4 + 4)^4 + ((4 + 4) \times (4/4 + 4)^4)$
:= $5 \times 5 \times 55 + ((5/5 + 5)^5 - 55)$
:= $(6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) - 6 - 6$
:= $((77 - 7)/7) + (77 \times (777/7 + 7))$
:= $8 + ((8 + 8) \times (8 \times (8 \times 8 + 8) - 8))$
:= $9 + ((9 \times 999 - ((9 + 9 + 9)/9)) + 99)$
- 9097 := $11 \times ((1 + 1)^{11} - 11 \times 111)$
:= $2 + ((2 \times 2 \times (22 + 2))^2 - (22/2)^2)$
:= $3^3 + (((3^3 \times (333 + 3)) - 3) + 3/3)$
:= $4/4 + (((4 + 4) \times (4/4 + 4)^4) + (4 + 4)^4)$
:= $55/5 \times (55 \times (5 + 5 + 5) + ((5 + 5)/5))$
:= $(6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) - 66/6$
:= $77/7 + (77 \times (777/7 + 7))$
:= $8 + (((8 + 8) \times (8 \times (8 \times 8 + 8) - 8)) + 8/8)$
:= $9 + ((9 \times 999 - ((9 + 9)/9)) + 99)$
- 9098 := $1 + (11 \times ((1 + 1)^{11} - 11 \times 111))$
:= $222 + (2 \times ((2 \times (2222 - 2)) - 2))$
:= $3^3 + ((3^3 \times (333 + 3)) - 3/3)$
:= $(444/4 \times ((4 - 4/4)^4 + 4/4)) - 4$
:= $5 + ((5 - (5 + 5)/5) \times ((55 \times 55 + 5/5) + 5))$
:= $(6 - 66)/6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) + 6))$
:= $(77 + 7)/7 + (77 \times (777/7 + 7))$
:= $8 + (((8 + 8) \times (8 \times (8 \times 8 + 8) - 8)) + ((8 + 8)/8))$
:= $9 + ((9 \times 999 - 9/9) + 99)$
- 9099 := $(11 - 1 - 1) \times (11 + (11 - 1)^{1+1+1})$
:= $2 + (((2 \times 2 \times (22 + 2))^2 - (22/2)^2) + 2)$
:= $3 \times (3 \times (3 \times (333 + 3) + 3))$
:= $4 + (((4 - 4/4)^4 + 4) \times (444/4 - 4))$
:= $5^5 + ((5^5 - (5 \times 55 + 5/5)) + 5^5)$
:= $6 + ((6/6 + 6) \times (6 \times 6 \times 6 \times 6 + (6 \times 6/(6 + 6))))$
:= $7 + (((77 \times (777/7 + 7)) - 7/7) + 7)$
:= $88/8 + ((8 + 8) \times (8 \times (8 \times 8 + 8) - 8))$
:= $9 + (9 \times 999 + 99)$
- 9100 := $(111 \times (1 + (11 - 1 - 1)^{1+1+1})) - 1 - 1$
:= $(22 - 2) \times (2 \times 222 + 22/2)$
:= $3^3 + ((3^3 \times (333 + 3)) + 3/3)$
:= $(4/4 + 4) \times (4 \times 444 + 44)$
:= $5 \times ((5 \times (5 \times (5 \times (5 + 5 + 5)))) - 55)$
:= $(6/6 + 6) \times ((6 \times 6 \times 6 \times 6 - ((6 + 6)/6)) + 6)$
:= $7 + ((77 \times (777/7 + 7)) + 7)$
:= $((88 + 8)/8) + ((8 + 8) \times (8 \times (8 \times 8 + 8) - 8))$
:= $9 + ((9 \times 999 + 99) + 9/9)$
- 9101 := $(111 \times (1 + (11 - 1 - 1)^{1+1+1})) - 1$
:= $(222 \times (2 \times (22 - 2) + 2/2)) - 2/2$
:= $(3^3 \times 333) + ((333 - 3)/3)$
:= $4/4 + ((4/4 + 4) \times (4 \times 444 + 44))$
:= $(5/5 + 5)^5 + (5 \times (5 \times 55 - (5 + 5)))$
:= $(6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) - 6/6 - 6$
:= $7 + (((77 \times (777/7 + 7)) + 7/7) + 7)$
:= $(88 + 8 + 8)/8 + ((8 + 8) \times (8 \times (8 \times 8 + 8) - 8))$
:= $99 + (9 \times 999 + (99/9))$
- 9102 := $111 \times (1 + (11 - 1 - 1)^{1+1+1})$
:= $222 \times (2 \times (22 - 2) + 2/2)$
:= $3 + ((3^3 \times (333 + 3)) + 3^3)$
:= $444/4 \times ((4 - 4/4)^4 + 4/4)$
:= $555/5 \times (((5 + 5)/5 + 55) + 5 \times 5)$
:= $(6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) - 6$
:= $777/7 \times ((77 - (7 + 7)/7) + 7)$
:= $888/8 \times (((8 + 8)/8) - 8) + 88$
:= $9 \times 999 + 999/9$
- 9103 := $1 + (111 \times (1 + (11 - 1 - 1)^{1+1+1}))$
:= $2/2 + (222 \times (2 \times (22 - 2) + 2/2))$
:= $(3^3 \times 333) + ((333 + 3)/3)$
:= $((4^4 + 4) \times (4 \times (4 + 4) + 4)) - (4/4 + 4^4)$
:= $((5 - (5 + 5)/5) \times (5^5 + 5/5)) - 5 \times 55$
:= $6/6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) - 6)$
:= $7 + ((77 \times (777/7 + 7)) + ((77 - 7)/7))$
:= $8 + (((8 + 8) \times (8 \times (8 \times 8 + 8) - 8)) - 8/8) + 8$
:= $9 \times 999 + ((999 + 9)/9)$
- 9104 := $1 + (1 + (111 \times (1 + (11 - 1 - 1)^{1+1+1})))$
:= $2 + (222 \times (2 \times (22 - 2) + 2/2))$
:= $33 + ((3^3 \times (333 + 3)) - 3/3)$
:= $4 \times (((4 + 4) \times (4^4 - 4) + 4^4) + 4)$
:= $(55/5 + 5) \times ((5^5 - 5)/5 - 55)$
:= $(6 + 6)/6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) - 6)$
:= $7 + ((77 \times (777/7 + 7)) + (77/7))$
:= $8 + (((8 + 8) \times (8 \times (8 \times 8 + 8) - 8)) + 8)$
:= $9 \times 999 + ((999 + 9 + 9)/9)$
- 9105 := $((11 - 1 - 1) \times (1 + 1)^{11-1}) - 111$
:= $(2 \times 2 \times (22 + 2))^2 - 222/2$
:= $33 + (3^3 \times (333 + 3))$
:= $(4^4 \times (4 \times (4 + 4) + 4)) - 444/4$
:= $5 + (((5^5 - 5 \times 55) + 5^5) + 5^5)$
:= $(66 \times 6/(6 + 6)) + 6 \times 6 \times 6 \times (6 \times 6 + 6)$
:= $7 + ((77 \times (777/7 + 7)) + (77 + 7)/7)$
:= $(8 \times (8 + 8) \times (8 \times 8 + 8)) - 888/8$
:= $((9 + 9) \times ((9 + 9)/9)^9) - 999/9$
- 9106 := $1 + (((11 - 1 - 1) \times (1 + 1)^{11-1}) - 111)$
:= $222 + (2 \times ((2 \times 2222) - 2))$
:= $3/3 + ((3^3 \times (333 + 3)) + 33)$
:= $4 + (444/4 \times ((4 - 4/4)^4 + 4/4))$
:= $5 + ((5 \times (5 \times 55 - (5 + 5))) + (5/5 + 5)^5)$
:= $(6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) - (6 + 6)/6$
:= $7 + (((77 \times (777/7 + 7)) - 7/7) + 7) + 7$
:= $((8 - 888)/8) + (8 \times (8 + 8) \times (8 \times 8 + 8))$
:= $9999 - (((9 + 9)/9) + 9 \times 99)$
- 9107 := $(11 \times (1 + ((1 + 1)^{11} - 11 \times 111))) - 1$
:= $2 + ((2 \times 2 \times (22 + 2))^2 - 222/2)$
:= $(33/3)^3 + ((3 + 3)^{3-3/3+3})$
:= $(4 \times 44 \times (44 + 4 + 4)) - (44 + 4/4)$
:= $(5/5 + 5)^5 + ((55/5)^{5-(5+5)/5})$
:= $(6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) - 6/6$
:= $7 + (((77 \times (777/7 + 7)) + 7) + 7)$
:= $8 + (((8 + 8) \times (8 \times (8 \times 8 + 8) - 8)) + (88/8))$
:= $9999 - (9 \times 99 + 9/9)$

$$\begin{aligned}
\blacktriangleright 9108 &:= 11 \times (1 + ((1+1)^{11} - 11 \times 111)) \\
&:= (2^{2+2} + 2) \times (22^2 + 22) \\
&:= 33 \times (3 \times 3 \times 3^3 + 33) \\
&:= 44 \times (4^4 - ((44 + 4/4) + 4)) \\
&:= (5 - (5 + 5)/5) \times (55 \times 55 + (55/5)) \\
&:= 6 \times (6 \times 6 \times (6 \times 6 + 6) + 6) \\
&:= 77/7 \times (((7+7)/7) + 777) + 7 \times 7 \\
&:= (8/8 + 8) \times (8 \times 8 \times (8 + 8) - ((88 + 8)/8)) \\
&:= 99 \times ((99/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9109 &:= 1 + (11 \times (1 + ((1+1)^{11} - 11 \times 111))) \\
&:= 2/2 + ((2^{2+2} + 2) \times (22^2 + 22)) \\
&:= 3/3 + (33 \times (3 \times 3 \times 3^3 + 33)) \\
&:= 4 + ((4^4 \times (4 \times (4 + 4) + 4)) - 444/4) \\
&:= 5 + ((55/5 + 5) \times ((5^5 - 5)/5 - 55)) \\
&:= 6/6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) \\
&:= 7 + (777/7 \times ((77 - (7 + 7)/7) + 7)) \\
&:= ((88 + 8) \times (88 - 8/8 + 8)) - 88/8 \\
&:= 9/9 + (99 \times ((99/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9110 &:= (1 + 1) \times (111 + ((1 + 1) \times ((1 + 1) \times 1111))) \\
&:= 222 + (2 \times (2 \times 2222)) \\
&:= 3 + (((3 + 3)^{3-3/3+3}) + (33/3)^3) \\
&:= (4 + 4)/4 \times (4444 + 444/4) \\
&:= (5 + 5) \times (((55 + 5^5)/5) + 5 \times 55) \\
&:= (6 + 6)/6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) \\
&:= (7 \times ((7 - 7/7)^{77/7-7} + 7)) - 77/7 \\
&:= 8 + (888/8 \times (((8 + 8)/8) - 8) + 88) \\
&:= 9 + (9 \times 999 + 999/9) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9111 &:= 1111 + (((1 + 1) \times (11 - 1))^{1+1+1}) \\
&:= 2/2 + ((2 \times (2 \times 2222)) + 222) \\
&:= 3 + (33 \times (3 \times 3 \times 3^3 + 33)) \\
&:= 4444/4 + ((4 \times 4 + 4)^{4-4/4}) \\
&:= 555/5 + (5 \times (5 \times 5 + 5) \times (55 + 5)) \\
&:= (6 \times 6/(6 + 6)) + (6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) \\
&:= 7 + (((77 \times (777/7 + 7)) + (77/7)) + 7) \\
&:= ((8/8 + 8) \times 8888/8) - 888 \\
&:= 9 + (9 \times 999 + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9112 &:= 1 + (1111 + (((1 + 1) \times (11 - 1))^{1+1+1})) \\
&:= 2 + ((2 \times (2 \times 2222)) + 222) \\
&:= 3 + ((33 \times (3 \times 3 \times 3^3 + 33)) + 3/3) \\
&:= ((4^4 - 44) \times (44 - 4/4)) - 4 \\
&:= 5 + (((55/5)^{5-(5+5)/5}) + (5/5 + 5)^5) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) - ((6 + 6)/6)) \\
&:= 7 \times 7 \times 7 + (777/7 \times ((7 + 7)/7 + 77)) \\
&:= ((88 + 8) \times (88 - 8/8 + 8)) - 8 \\
&:= 9 + (((999 + 9)/9) + 9 \times 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9113 &:= 11 + (111 \times (1 + ((11 - 1 - 1)^{1+1})) \\
&:= 2 + (((2 \times (2 \times 2222)) + 222) + 2/2) \\
&:= (3^3 \times 333) + ((3^{3+3} + 3)/(3 + 3)) \\
&:= 4/4 + (((4^4 - 44) \times (44 - 4/4)) - 4) \\
&:= 5 + ((5 - (5 + 5)/5) \times (55 \times 55 + (55/5))) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) - 6/6) \\
&:= (7 - 7/7 + 7) \times ((777 - 77) + 7/7) \\
&:= 88 + ((88 - 8/8 + 8)^{(8+8)/8}) \\
&:= 9 \times 999 + (999 + 99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9114 &:= 1 + (11 + (111 \times (1 + ((11 - 1 - 1)^{1+1}))) \\
&:= 222 + (2 \times ((2 \times 2222) + 2)) \\
&:= (33/3 + 3) \times (3 \times (3 + 3)^3 + 3) \\
&:= ((4^4 - 44) \times (44 - 4/4)) - (4 + 4)/4 \\
&:= 5^5 + ((555/5 \times (55 - 5/5)) - 5) \\
&:= 6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) \\
&:= 7 \times (((7 \times (7 + 7) \times (7 + 7)) - 77) + 7) \\
&:= 8 + ((8 \times (8 + 8) \times (8 \times 8 + 8)) + ((8 - 888)/8)) \\
&:= (99 - 9/9) \times ((99 + 9)/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9115 &:= ((11 - 1 - 1) \times ((1 + 1)^{11-1} - 11)) - 1 - 1 \\
&:= 2/2 + ((2 \times ((2 \times 2222) + 2)) + 222) \\
&:= 3/3 + ((33/3 + 3) \times (3 \times (3 + 3)^3 + 3)) \\
&:= ((4^4 - 44) \times (44 - 4/4)) - 4/4 \\
&:= 5^5 + ((5 + 5) \times ((5^5 - 5)/5 - 5 \times 5)) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) + 6/6) \\
&:= 7/7 + (7 \times (((7 \times (7 + 7) \times (7 + 7)) - 77) + 7)) \\
&:= 8 + (((8 + 8) \times (8 \times (8 \times 8 + 8) - 8)) + (88/8) + 8) \\
&:= 9 + (9999 - ((9 + 9)/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9116 &:= ((11 - 1 - 1) \times ((1 + 1)^{11-1} - 11)) - 1 \\
&:= ((22 + 2) \times (22 - 2)^2) - 22^2 \\
&:= (3^3 \times 333) + (3 - 3/3 + 3)^3 \\
&:= (4^4 - 44) \times (44 - 4/4) \\
&:= (5/5 + 5)^5 + (5 \times (5 \times 55 - 5) - (5 + 5)) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) + ((6 + 6)/6)) \\
&:= 7 + ((777/7 \times ((77 - (7 + 7)/7) + 7)) + 7) \\
&:= 8 + ((8/8 + 8) \times (8 \times 8 \times (8 + 8) - ((88 + 8)/8))) \\
&:= 9 + (9999 - (9 \times 99 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9117 &:= (11 - 1 - 1) \times ((1 + 1)^{11-1} - 11) \\
&:= (2/2 + 2)^2 \times ((2^{22/2} - 22)/2) \\
&:= 3 \times (3 \times (3 \times 333 + 3) + 33) \\
&:= 4/4 + ((4^4 - 44) \times (44 - 4/4)) \\
&:= (5 - 5/5 + 5) \times ((5 - 5/5)^5 - 55/5) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) + (6 \times 6/(6 + 6))) \\
&:= ((7 + 7)/7 + 7) \times (777/7 - 7 \times (7 + 7)) \\
&:= (8/8 + 8) \times (8 \times 8 \times (8 + 8) - (88/8)) \\
&:= 9 + (99 \times ((99/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9118 &:= 1 + ((11 - 1 - 1) \times ((1 + 1)^{11-1} - 11)) \\
&:= 222 + (2 \times 2 \times (2222 + 2)) \\
&:= 3/3 + (3 \times (3 \times (3 \times 333 + 3) + 33)) \\
&:= (4 + 4)/4 + ((4^4 - 44) \times (44 - 4/4)) \\
&:= 5^5 + ((555/5 \times (55 - 5/5)) - 5/5) \\
&:= ((66 - 6)/6) + (6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) \\
&:= 7 \times 7 - ((7 + 7)/7) \times ((7 + 7) \times (7 + 7) - ((7 + 7)/7)) \\
&:= ((8/8 + 88) + 8) \times ((88 - ((8 + 8)/8)) + 8) \\
&:= 9 + (99 \times ((99/9) + 9 \times 9)) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9119 &:= 1 + (1 + ((11 - 1 - 1) \times ((1 + 1)^{11-1} - 11))) \\
&:= 2 + ((2/2 + 2)^2 \times ((2^{22/2} - 22)/2)) \\
&:= 3 + ((3^3 \times 333) + (3 - 3/3 + 3)^3) \\
&:= ((44/4 + 4) \times (4/4 + 4)^4) - 4^4 \\
&:= 5^5 + (555/5 \times (55 - 5/5)) \\
&:= 66/6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) \\
&:= 77/7 \times ((77/7 \times (77 - 7/7)) - 7) \\
&:= ((88 + 8) \times (88 - 8/8 + 8)) - 8/8 \\
&:= 99/9 + (99 \times ((99/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9120 &:= (11 - 1) \times ((1 + 1)^{11-1} - (1 + 111)) \\
&:= 2 \times (2 \times (((2 \times (22 + 2))^2) - (22 + 2))) \\
&:= (3^3 \times (333 + 3 + 3)) - 33 \\
&:= 4 + ((4^4 - 44) \times (44 - 4/4)) \\
&:= (55/5 + 5) \times (5^5/5 - 55) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) + 6) \\
&:= (7/7 + 7) \times ((7/7 + 7 + 7) \times (77 - 7/7)) \\
&:= (88 + 8) \times (88 - 8/8 + 8) \\
&:= 9 + (9 \times 999 + 999/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9121 &:= 1 + ((11 - 1) \times ((1 + 1)^{11-1} - (1 + 111))) \\
&:= 2/2 + (2 \times (2 \times (((2 \times (22 + 2))^2) - (22 + 2)))) \\
&:= 3/3 + ((3^3 \times (333 + 3 + 3)) - 33) \\
&:= 4 + (((4^4 - 44) \times (44 - 4/4)) + 4/4) \\
&:= (5/5 + 5)^5 + (5 \times (5 \times 55 - 5) - 5) \\
&:= (6/6 + 6) \times ((6 \times 6 \times 6 \times 6/6) + 6) \\
&:= 7 \times ((7 - 7/7)^{77/7-7} + 7) \\
&:= 8/8 + ((88 + 8) \times (88 - 8/8 + 8)) \\
&:= 9 \times 9 \times 99 + (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9122 &:= 1 + (1 + ((11 - 1) \times ((1 + 1)^{11-1} - (1 + 111)))) \\
&:= 2 + (2 \times (2 \times (((2 \times (22 + 2))^2) - (22 + 2)))) \\
&:= (((3 + 3)^3 + 3)/3) \times (3 - 3/3 + 3)^3 - 3 \\
&:= 4 + (((4^4 - 44) \times (44 - 4/4)) + (4 + 4)/4) \\
&:= 5 + ((5 - 5/5 + 5) \times ((5 - 5/5)^5 - 55/5)) \\
&:= 6 + (((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) + ((6 + 6)/6)) + 6) \\
&:= 7/7 + (7 \times ((7 - 7/7)^{77/7-7} + 7)) \\
&:= (8 + 8)/8 + ((88 + 8) \times (88 - 8/8 + 8)) \\
&:= 9 + ((999 + 99)/9 + 9 \times 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9123 &:= (1 + ((1 + 1) \times ((1 + 1) \times (1 + 111))^{1+1}))/11 \\
&:= (2/2 + 2) \times (((2 \times 2 \times (22 - 2) - 2)^2 - 2)/2) \\
&:= 3 + ((3^3 \times (333 + 3 + 3)) - 33) \\
&:= 4 + (((44/4 + 4) \times (4/4 + 4)^4) - 4^4) \\
&:= 5^5 + ((5 + 5)/5 \times (5^5 - (5 \times 5 \times 5 + 5/5))) \\
&:= 6 + (((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) + (6 \times 6/(6 + 6))) + 6) \\
&:= ((77 - 7/7 + 7) \times (777 - 7)/7) - 7 \\
&:= 88 + ((8/8 + 8 \times 8) \times (8 \times (8 + 8) + (88/8))) \\
&:= 9 + ((99 - 9/9) \times ((99 + 9)/9 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9128 &:= 11 + ((11 - 1 - 1) \times ((1 + 1)^{11-1} - 11)) \\
&:= 2 \times (2 \times (((2 \times (22 + 2))^2) - 22)) \\
&:= (3/3 + 3 + 3) \times ((33/3)^3 - 3^3) \\
&:= 4^4 + (((4 \times 4 + 4) \times 444) - (4 + 4)) \\
&:= (55 \times (555/5 + 55)) - (5 + 5)/5 \\
&:= (6/6 + 6) \times ((6 \times 6 \times 6 \times 6 + ((6 + 6)/6)) + 6) \\
&:= 7 + (7 \times ((7 - 7/7)^{77/7-7} + 7)) \\
&:= (8 \times (8 + 8) \times (8 \times 8 + 8)) - 88 \\
&:= 9 + ((99 \times (99/9) + 9 \times 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9133 &:= 1 + (1 + (1 + ((11 - 1) \times ((1 + 1)^{11-1} - 11)))) \\
&:= 22^2 + (((2 \times (2 \times 22 + 2)) + 2/2)^2) \\
&:= ((3/3 + 3)^3) + ((3^3 \times (333 + 3)) - 3) \\
&:= 4 + (4^4 \times (44 - 4) - 4444/4) \\
&:= 5 + ((55 \times (555/5 + 55)) - ((5 + 5)/5)) \\
&:= 66 + ((6 \times 6 \times 6 \times (6 \times 6 + 6) - 6) + 6/6) \\
&:= 7 + ((7/7 + 77) \times ((777 - 7)/7 + 7)) \\
&:= (88 \times (88 + 8 + 8)) - (88/8 + 8) \\
&:= (9 \times (999 + 9 + 9)) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9124 &:= 1 + ((1 + ((1 + 1) \times ((1 + 1) \times (1 + 111))^{1+1}))/11) \\
&:= 2 \times (2 \times (((2 \times (22 + 2))^2) - 22)) - 2) \\
&:= 3 + (((3^3 \times (333 + 3 + 3)) - 33) + 3/3) \\
&:= 4 + (((4^4 - 44) \times (44 - 4/4)) + 4) \\
&:= 5 + ((555/5 \times (55 - 5/5)) + 5^5) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) + ((66 - 6)/6)) \\
&:= 7 \times 7 + (77/7 \times ((777 - 7/7) + 7 \times 7)) \\
&:= 8 \times 8 \times (8 + 8) + (((8 + 8)/8 + 88)^{(8+8)/8}) \\
&:= 9 \times (9 \times 99 + 9) + (((9 + 9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9129 &:= ((11 - 1) \times (1 + 1)^{11-1}) - 1111 \\
&:= 2/2 + (2 \times (2 \times (((2 \times (22 + 2))^2) - 22))) \\
&:= 3 + ((3^3 \times (333 - 3)) + (3 + 3)^3) \\
&:= 4^4 \times (44 - 4) - 4444/4 \\
&:= (55 \times (555/5 + 55)) - 5/5 \\
&:= 6 \times 6 + ((6/6 + 6) \times (6 \times 6 \times 6 \times 6 + (6 \times 6/(6 + 6)))) \\
&:= ((77 - 7)/7 + 7) \times (7 \times 77 - ((7 + 7)/7)) \\
&:= 8/8 + ((8 \times (8 + 8) \times (8 \times 8 + 8)) - 88) \\
&:= 9 \times 9 \times 99 + ((9999 - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9134 &:= (1 + 1) \times (1111 + ((1 + 1) \times ((1 + 1)^{1+1+1}))) \\
&:= 2 + (2 \times (2 \times (((2 \times (22 + 2))^2) - 22)) + 2) \\
&:= 3 + (((3/3 + 3 + 3) \times ((33/3)^3 - 3^3)) + 3) \\
&:= 4^4 + (((4 \times 4 + 4) \times 444) - (4 + 4)/4) \\
&:= 5 + ((55 \times (555/5 + 55)) - 5/5) \\
&:= 6 + ((6/6 + 6) \times ((6 \times 6 \times 6 \times 6 + ((6 + 6)/6)) + 6)) \\
&:= 7 \times 7 + (77 \times (777/7 + 7)) - 7/7 \\
&:= (8 - 88)/8 + ((88 \times (88 + 8 + 8)) - 8) \\
&:= (9 \times (999 + 9 + 9)) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9125 &:= ((11 - 1 - 1) \times (1 + (1 + 1)^{11-1} - 11)) - 1 \\
&:= 2/2 + (2 \times (2 \times (((2 \times (22 + 2))^2) - 22)) - 2) \\
&:= (((3 + 3)^3 + 3)/3) \times (3 - 3/3 + 3)^3 \\
&:= 4^4 + (((4 \times 4 + 4) \times 444) - 44/4) \\
&:= 5 \times (5 \times 5 + 5) \times (55 + 5) + 5 \times 5 \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) + (66/6)) \\
&:= 77/7 + (7 \times ((7 \times (7 + 7) \times (7 + 7)) - 77) + 7) \\
&:= 8 + ((8/8 + 8) \times (8 \times 8 \times (8 + 8) - (88/8))) \\
&:= 9 + ((9999 - (9 \times 99 + 9/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9130 &:= (11 - 1) \times ((1 + 1)^{11-1} - 111) \\
&:= 2 + (2 \times (2 \times (((2 \times (22 + 2))^2) - 22))) \\
&:= 3333/3 + (3 \times (3 \times (33 \times 3^3))) \\
&:= (44 - 4)/4 \times (4 \times 4^4 - 444/4) \\
&:= 55 \times (555/5 + 55) \\
&:= ((6 + 6)/6)^6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - 6) \\
&:= (77 - 7/7 + 7) \times (777 - 7)/7 \\
&:= (8 + 8)/8 + ((8 \times (8 + 8) \times (8 \times 8 + 8)) - 88) \\
&:= 9 \times 9 \times 99 + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9135 &:= (11 - 1 - 1) \times (1 + 1 + (1 + 1)^{11-1} - 11) \\
&:= (2 \times 2 \times (22 + 2))^2 - (2/2 + 2)^{2+2} \\
&:= 3 \times ((3 \times (3 \times (333 + 3) + 3) + 3)) + 3) \\
&:= 4^4 + (((4 \times 4 + 4) \times 444) - 4/4) \\
&:= 5 + (55 \times (555/5 + 55)) \\
&:= 66 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - (6 \times 6/(6 + 6))) \\
&:= 7 \times 7 + (77 \times (777/7 + 7)) \\
&:= (8/8 + 8) \times (8 \times 8 \times (8 + 8) - (8/8 + 8)) \\
&:= 9 \times (((9 + 9)/9)^{9/9+9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9126 &:= (11 - 1 - 1) \times (1 + (1 + 1)^{11-1} - 11) \\
&:= (2 + 2 + 2) \times ((2 \times (22 - 2) - 2/2)^2) \\
&:= 3 \times (3 \times ((3 \times (333 + 3) + 3) + 3)) \\
&:= (4/4 + 4 + 4) \times ((4 - 44)/4 + 4 \times 4^4) \\
&:= (5/5 + 5)^5 + 5 \times (5 \times 55 - 5) \\
&:= (6/6 + 6 + 6) \times (666 + 6 \times 6) \\
&:= (7/7 + 77) \times ((777 - 7)/7 + 7) \\
&:= (8/8 + 8) \times ((8 - 88)/8 + 8 \times 8 \times (8 + 8)) \\
&:= 9 + ((99 \times ((99/9) + 9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9131 &:= 1 + ((11 - 1) \times ((1 + 1)^{11-1} - 111)) \\
&:= (22 + 2/2) \times (((22 - 2)^2 - (2/2 + 2)) \\
&:= 3 + ((3/3 + 3 + 3) \times ((33/3)^3 - 3^3)) \\
&:= 4^4 + (((4/4 + 4) \times (4 \times 444 - 4/4)) \\
&:= 5 + (5 \times (5 \times 55 - 5) + (5/5 + 5)^5) \\
&:= ((66/6 + 6) + 6) \times (6 \times 66 + 6/6) \\
&:= 7/7 + ((77 - 7/7 + 7) \times (777 - 7)/7) \\
&:= 88/8 + ((88 + 8) \times (88 - 8/8 + 8)) \\
&:= 9 \times 9 \times 99 + (9999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9136 &:= 1 + ((11 - 1 - 1) \times (1 + 1 + (1 + 1)^{11-1} - 11)) \\
&:= 2 \times (2 \times (((2 \times (22 + 2))^2) - 22) + 2) \\
&:= ((3/3 + 3)^3) + (3^3 \times (333 + 3)) \\
&:= 4 \times (44 \times (44 + 4 + 4) - 4) \\
&:= (55/5 + 5) \times ((5^5 + 5)/5 - 55) \\
&:= ((6 + 6)/6)^6 + 6 \times 6 \times 6 \times (6 \times 6 + 6) \\
&:= 7/7 + ((77 \times (777/7 + 7)) + 7 \times 7) \\
&:= (88 \times (88 + 8 + 8)) - 8 - 8 \\
&:= 9/9 + (9 \times (((9 + 9)/9)^{9/9+9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9127 &:= 1 + ((11 - 1 - 1) \times (1 + (1 + 1)^{11-1} - 11)) \\
&:= (2 \times (2 \times (((2 \times (22 + 2))^2) - 22))) - 2/2 \\
&:= 3/3 + ((3^3 \times (333 - 3)) + (3 + 3)^3) \\
&:= 44/4 + ((4^4 - 44) \times (44 - 4/4)) \\
&:= 5/5 + (5 \times (5 \times 55 - 5) + (5/5 + 5)^5) \\
&:= 6 + ((6/6 + 6) \times ((6 \times 6 \times 6 \times 6 + 6/6) + 6)) \\
&:= ((7/7 + 77) \times (777/7 + 7)) - 77 \\
&:= (8 \times (8 + 8) \times (8 \times 8 + 8)) - (8/8 + 88) \\
&:= 9 + (((99 \times ((99/9) + 9 \times 9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9132 &:= 1 + (1 + ((11 - 1) \times ((1 + 1)^{11-1} - 111))) \\
&:= 2 \times (2 \times (((2 \times (22 + 2))^2) - 22)) + 2) \\
&:= 3^3 + ((3^3 \times (333 + 3)) + 33) \\
&:= 4^4 + (((4 \times 4 + 4) \times 444) - 4) \\
&:= 5^5 + ((5^5 - ((5 - (5 + 5)/5)^5)) + 5^5) \\
&:= 66 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - 6) \\
&:= 77/7 + (7 \times ((7 - 7/7)^{77/7-7} + 7)) \\
&:= ((88 + 8)/8) \times ((8 \times (88 + 8) - 8) + 8/8) \\
&:= 9 \times 9 \times 99 + (((9999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9137 &:= 11 + ((11 - 1 - 1) \times (1 + (1 + 1)^{11-1} - 11)) \\
&:= 2 + ((2 \times 2 \times (22 + 2))^2 - (2/2 + 2)^{2+2}) \\
&:= 3 \times 3 + ((3/3 + 3 + 3) \times ((33/3)^3 - 3^3)) \\
&:= 4/4 + (((4 \times 4 + 4) \times 444) + 4^4) \\
&:= 5 + (((5^5 - ((5 - (5 + 5)/5)^5)) + 5^5) + 5^5) \\
&:= 66 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - 6/6) \\
&:= 7 + ((77 - 7/7 + 7) \times (777 - 7)/7) \\
&:= 8/8 + ((88 \times (88 + 8 + 8)) - (8 + 8)) \\
&:= (9 + 9)/9 + (9 \times (((9 + 9)/9)^{9/9+9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9138 &:= ((11 + (11 - 1))^{1+1+1}) - (1 + (1 + 11^{1+1})) \\
&:= 2 + (2 \times (2 \times (((2 \times (22 + 2))^2) - 22) + 2)) \\
&:= 33 + ((3^3 \times (333 + 3)) + 33) \\
&:= 4^4 + (((4 \times 4 + 4) \times 444) + (4 + 4)/4) \\
&:= (5/5 + 5) \times ((5 \times (5 \times (55 + 5) + 5)) - ((5 + 5)/5)) \\
&:= 66 + 6 \times 6 \times 6 \times (6 \times 6 + 6) \\
&:= 7777 + ((7 \times (7 + 7) \times (7 + 7)) - (77/7)) \\
&:= (8 + 8)/8 + ((88 \times (88 + 8 + 8)) - (8 + 8)) \\
&:= 9 + (((9999 - 9)/9) + 9 \times 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9139 &:= ((11 + (11 - 1))^{1+1+1}) - (1 + 11^{1+1}) \\
&:= (22 - (2/2 + 2)) \times (22^2 - (2/2 + 2)) \\
&:= 3 + ((3^3 \times (333 + 3)) + ((3/3 + 3)^3)) \\
&:= 4 + (((4 \times 4 + 4) \times 444) - 4/4) + 4^4 \\
&:= ((5 + 5 + 5) \times (555 + 55)) - 55/5 \\
&:= 66 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + 6/6) \\
&:= ((7 \times (7 + 7) - ((7 + 7)/7))^{(7+7)/7}) - 77 \\
&:= (88 + 8 + 8)/8 \times (8 \times 88 - 8/8) \\
&:= 9 + (9999/9 + 9 \times 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9140 &:= (11 - 1) \times (1 + ((1 + 1)^{11-1} - 111)) \\
&:= 2 \times (2 \times (((2 \times (22 + 2))^2) - 22) + 2) + 2 \\
&:= (3/3 + 3) \times ((3 \times (3^{3+3} + 33)) - 3/3) \\
&:= 4 + (((4 \times 4 + 4) \times 444) + 4^4) \\
&:= 5 + ((55 \times (555/5 + 55)) + 5) \\
&:= 66 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + ((6 + 6)/6)) \\
&:= 7 + (((7/7 + 77) \times ((777 - 7)/7 + 7)) + 7) \\
&:= (88 \times (88 + 8 + 8)) - (88 + 8)/8 \\
&:= 9 + ((9999 + 9)/9 + 9 \times 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9141 &:= 1 + ((11 - 1) \times (1 + ((1 + 1)^{11-1} - 111))) \\
&:= 2 + ((22 - (2/2 + 2)) \times (22^2 - (2/2 + 2))) \\
&:= 33 \times (((3^{3+3} + 3)/3) + 33) \\
&:= (4 \times 44 \times (44 + 4 + 4)) - 44/4 \\
&:= 5 \times 5 \times 55 + ((5/5 + 5)^5 - (5 + 5)) \\
&:= 66 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + (6 \times 6/(6 + 6))) \\
&:= 7 + (((77 \times (777/7 + 7)) - 7/7) + 7 \times 7) \\
&:= (88 \times (88 + 8 + 8)) - 88/8 \\
&:= (9 \times (999 + 9 + 9)) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9142 &:= ((1 + 1 + 111) \times (11 - 1 - 1)^{1+1}) - 11 \\
&:= ((2 + 2 + 2)^2 \times (2^{2 \times (2+2)} - 2)) - 2 \\
&:= (3^3 \times (333 + 3 + 3)) - 33/3 \\
&:= 4^4 + ((4 + 4)/4 \times (4444 - 4/4)) \\
&:= 5/5 + (((5/5 + 5)^5 - (5 + 5)) + 5 \times 5 \times 55) \\
&:= 6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + ((6 + 6)/6)^6) \\
&:= 7 + ((77 \times (777/7 + 7)) + 7 \times 7) \\
&:= (8 - 88)/8 + (88 \times (88 + 8 + 8)) \\
&:= (9 \times (999 + 9 + 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9143 &:= 1 + (((1 + 1 + 111) \times (11 - 1 - 1)^{1+1}) - 11) \\
&:= (222 + 2/2) \times (2 \times (22 - 2) + 2/2) \\
&:= ((3 \times 3 + 3) \times (3^{3+3} + 33)) - 3/3 \\
&:= 4^4 + (((4 + 4) \times 4444/4) - 4/4) \\
&:= 5^5 + ((5 + 5)/5 \times (5^5 - (555/5 + 5))) \\
&:= (6 \times ((6 \times 6 \times (6 \times 6 + 6) + 6) + 6)) - 6/6 \\
&:= 7 + (((77 \times (777/7 + 7)) + 7 \times 7) + 7/7) \\
&:= (88 \times (88 + 8 + 8)) - (8/8 + 8) \\
&:= (9 \times (999 + 9 + 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9144 &:= (1 + 1 + 1) \times ((1 + 1)^{11} + (11 - 1)^{1+1+1}) \\
&:= (2 + 2 + 2)^2 \times (2^{2 \times (2+2)} - 2) \\
&:= (3 \times 3 + 3) \times (3^{3+3} + 33) \\
&:= 4^4 + ((4 + 4) \times 4444/4) \\
&:= (5/5 + 5) \times ((5 \times (5 \times (55 + 5) + 5)) - 5/5) \\
&:= 6 \times ((6 \times 6 \times (6 \times 6 + 6) + 6) + 6) \\
&:= (77 + 7)/7 \times (777 - (7/7 + 7 + 7)) \\
&:= (88 \times (88 + 8 + 8)) - 8 \\
&:= (9 \times (999 + 9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9145 &:= 1 + ((1 + 1 + 1) \times ((1 + 1)^{11} + (11 - 1)^{1+1+1})) \\
&:= 2/2 + ((2 + 2 + 2)^2 \times (2^{2 \times (2+2)} - 2)) \\
&:= 3/3 + ((3 \times 3 + 3) \times (3^{3+3} + 33)) \\
&:= 4 + ((4 \times 44 \times (44 + 4 + 4)) - 44/4) \\
&:= 5 \times (5^5 - ((5/5 + 5)^{5-5/5})) \\
&:= 6/6 + (6 \times ((6 \times 6 \times (6 \times 6 + 6) + 6) + 6)) \\
&:= (77 \times ((7 \times 7 - 7) + 77)) - (77/7 + 7) \\
&:= 8/8 + ((88 \times (88 + 8 + 8)) - 8) \\
&:= 9/9 + ((9 \times (999 + 9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9146 &:= 1 + (1 + ((1 + 1 + 1) \times ((1 + 1)^{11} + (11 - 1)^{1+1+1}))) \\
&:= 2 + ((2 + 2 + 2)^2 \times (2^{2 \times (2+2)} - 2)) \\
&:= 3 + (((3 \times 3 + 3) \times (3^{3+3} + 33)) - 3/3) \\
&:= 4^4 + ((4 + 4)/4 \times (4444 + 4/4)) \\
&:= 5 \times 5 \times 55 + ((5/5 + 5)^5 - 5) \\
&:= (6 + 6)/6 + (6 \times ((6 \times 6 \times (6 \times 6 + 6) + 6) + 6)) \\
&:= ((77 - 7)/7 + 7) \times (7 \times 77 - 7/7) \\
&:= (8 + 8)/8 + ((88 \times (88 + 8 + 8)) - 8) \\
&:= (9 + 9)/9 + ((9 \times (999 + 9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9147 &:= (1 + 1 + 1) \times (1 + ((1 + 1)^{11} + (11 - 1)^{1+1+1})) \\
&:= 2 + (((2 + 2 + 2)^2 \times (2^{2 \times (2+2)} - 2)) + 2/2) \\
&:= 3 + ((3 \times 3 + 3) \times (3^{3+3} + 33)) \\
&:= (4 \times 44 \times (44 + 4 + 4)) - 4/4 - 4 \\
&:= 5/5 + (((5/5 + 5)^5 - 5) + 5 \times 5 \times 55) \\
&:= 666/6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) \\
&:= ((7/7 - 77) \times (7 - ((7 + 7)/7)^7)) - 7 \times 7 \\
&:= 8 + ((88 + 8 + 8)/8 \times (8 \times 88 - 8/8)) \\
&:= ((9 + 9 + 9)/9) + ((9 \times (999 + 9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9148 &:= ((11 + (11 - 1))^{1+1+1}) - (1 + 1 + 111) \\
&:= 2 + (((2 + 2 + 2)^2 \times (2^{2 \times (2+2)} - 2)) + 2) \\
&:= 3 + (((3 \times 3 + 3) \times (3^{3+3} + 33)) + 3/3) \\
&:= (4 \times 44 \times (44 + 4 + 4)) - 4 \\
&:= ((5 + 5 + 5) \times (555 + 55)) - (5 + 5)/5 \\
&:= 6 + ((6 \times 6 \times 6 \times (6 \times 6 + 6) + ((6 + 6)/6)^6) + 6) \\
&:= 7777 + ((7 \times (7 + 7) \times (7 + 7)) - 7/7) \\
&:= (88 \times (88 + 8 + 8)) - 8 \times 8/(8 + 8) \\
&:= 9 + ((9999/9 + 9 \times 9 \times 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9149 &:= ((11 + (11 - 1))^{1+1+1}) - (1 + 111) \\
&:= 2 \times 22^2 + ((2^{22/2+2}) - 22/2) \\
&:= (((3 \times (3 + 3)) + 3)^3) - ((333 + 3)/3) \\
&:= 4/4 + ((4 \times 44 \times (44 + 4 + 4)) - 4) \\
&:= ((5 + 5 + 5) \times (555 + 55)) - 5/5 \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 \times 6 + (66/6)) \\
&:= 7777 + (7 \times (7 + 7) \times (7 + 7)) \\
&:= 8 + ((88 \times (88 + 8 + 8)) - (88/8)) \\
&:= ((9 - 9 \times 9)/(9 + 9)) + (9 \times (999 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9150 &:= ((11 + (11 - 1))^{1+1+1}) - 111 \\
&:= (22 \times ((22 - 2)^2 + 2^{2+2})) - 2 \\
&:= (3^3 \times (333 + 3 + 3)) - 3 \\
&:= (4 \times 44 \times (44 + 4 + 4)) - (4 + 4)/4 \\
&:= (5 + 5 + 5) \times (555 + 55) \\
&:= 6 + (6 \times ((6 \times 6 \times (6 \times 6 + 6) + 6) + 6)) \\
&:= 7/7 + ((7 \times (7 + 7) \times (7 + 7)) + 7777) \\
&:= (88 \times (88 + 8 + 8)) - (8 + 8)/8 \\
&:= (9 \times (999 + 9 + 9)) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9151 &:= 1 + (((11 + (11 - 1))^{1+1+1}) - 111) \\
&:= (22^2 \times (22 - 2)) - ((22 + 2/2)^2) \\
&:= 3/3 + ((3^3 \times (333 + 3 + 3)) - 3) \\
&:= (4 \times 44 \times (44 + 4 + 4)) - 4/4 \\
&:= 5 \times 5 \times 55 + (5/5 + 5)^5 \\
&:= 6 + ((6 \times ((6 \times 6 \times (6 \times 6 + 6) + 6) + 6)) + 6/6) \\
&:= (77 \times ((7 \times 7 - 7) + 77)) - (77 + 7)/7 \\
&:= (88 \times (88 + 8 + 8)) - 8/8 \\
&:= (9 \times (999 + 9 + 9)) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9152 &:= ((1 + 1 + 111) \times (11 - 1 - 1)^{1+1}) - 1 \\
&:= 22 \times ((22 - 2)^2 + 2^{2+2}) \\
&:= (3^3 \times (333 + 3 + 3)) - 3/3 \\
&:= 4 \times 44 \times (44 + 4 + 4) \\
&:= 5/5 + (5 \times 5 \times 55 + (5/5 + 5)^5) \\
&:= ((6 + 6)/6)^6 \times ((6 + 6) \times (6 + 6) - 6/6) \\
&:= (77/7 + 77) \times (777/7 - 7) \\
&:= 88 \times (88 + 8 + 8) \\
&:= (9 \times (999 + 9 + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9153 &:= (1+1+111) \times (11-1-1)^{1+1} \\
&:= (2/2+2)^{2+2} \times (222/2+2) \\
&:= 3^3 \times (333+3+3) \\
&:= 4/4 + (4 \times 44 \times (44+4+4)) \\
&:= 5^5 + ((5+5)/5 \times (5^5 - 555/5)) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) - 6)) + 666/6) \\
&:= 7 + (((77-7)/7+7) \times (7 \times 77 - 7/7)) \\
&:= 8/8 + (88 \times (88+8+8)) \\
&:= 9 \times (999+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9154 &:= 1 + ((1+1+111) \times (11-1-1)^{1+1}) \\
&:= (22+2/2) \times ((22-2)^2 - 2) \\
&:= 3/3 + (3^3 \times (333+3+3)) \\
&:= (4+4)/4 + (4 \times 44 \times (44+4+4)) \\
&:= 5 + (((5+5+5) \times (555+55)) - 5/5) \\
&:= ((66/6+6) + 6) \times (((6+6)/6) + 6 \times 66) \\
&:= (77 \times ((7 \times 7 - 7) + 77)) - ((7+7)/7+7) \\
&:= (8+8)/8 + (88 \times (88+8+8)) \\
&:= 9/9 + (9 \times (999+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9155 &:= 1 + (1 + ((1+1+111) \times (11-1-1)^{1+1})) \\
&:= 2 + ((2/2+2)^{2+2} \times (222/2+2)) \\
&:= 3 + ((3^3 \times (333+3+3)) - 3/3) \\
&:= 4 + ((4 \times 44 \times (44+4+4)) - 4/4) \\
&:= 5 + ((5+5+5) \times (555+55)) \\
&:= 6 + (((6/6+6) \times (6 \times 6 \times 6 \times 6 + (66/6))) \\
&:= (77 \times ((7 \times 7 - 7) + 77)) - (7/7+7) \\
&:= 88/8 + ((88 \times (88+8+8)) - 8) \\
&:= (9+9)/9 + (9 \times (999+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9156 &:= 1 + (1 + (1 + ((1+1+111) \times (11-1-1)^{1+1}))) \\
&:= ((2 \times 22) - 2) \times (222 - 2 - 2) \\
&:= 3 + (3^3 \times (333+3+3)) \\
&:= 4 + (4 \times 44 \times (44+4+4)) \\
&:= 5 + (5 \times 5 \times 55 + (5/5+5)^5) \\
&:= (6/6+6) \times ((6 \times 6 \times 6 \times 6 + 6) + 6) \\
&:= (77 \times ((7 \times 7 - 7) + 77)) - 7 \\
&:= 8 \times 8/(8+8) + (88 \times (88+8+8)) \\
&:= ((9+9+9)/9) + (9 \times (999+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9157 &:= ((11 \times (111 \times (1+1+1+1+11))) - 1)/(1+1) \\
&:= 2/2 + (((2 \times 22) - 2) \times (222 - 2 - 2)) \\
&:= 3 + ((3^3 \times (333+3+3)) + 3/3) \\
&:= 4 + ((4 \times 44 \times (44+4+4)) + 4/4) \\
&:= 5 + ((5 \times 5 \times 55 + (5/5+5)^5) + 5/5) \\
&:= 6/6 + ((6/6+6) \times ((6 \times 6 \times 6 \times 6 + 6) + 6)) \\
&:= 7/7 + ((77 \times ((7 \times 7 - 7) + 77)) - 7) \\
&:= 8 + (((88 \times (88+8+8)) - (88/8)) + 8) \\
&:= ((9 \times 9 - 9)/(9+9)) + (9 \times (999+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9158 &:= (1+1) \times (((1+1)^{1+11}) + (((11+11)^{1+1}) - 1)) \\
&:= (2 - 22^2) \times ((2/2 - 22) + 2) \\
&:= 3 + (((3^3 \times (333+3+3)) - 3/3) + 3) \\
&:= 4 + ((4 \times 44 \times (44+4+4)) + (4+4)/4) \\
&:= 5 + (((5+5)/5 \times (5^5 - 555/5)) + 5^5) \\
&:= 6 + (((6+6)/6)^6 \times ((6+6) \times (6+6) - 6/6)) \\
&:= (7+7)/7 + ((77 \times ((7 \times 7 - 7) + 77)) - 7) \\
&:= 8 + ((88 \times (88+8+8)) - ((8+8)/8)) \\
&:= ((9 \times 9 + 9)/(9+9)) + (9 \times (999+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9159 &:= ((1+1) \times (((1+1)^{1+11}) + ((11+11)^{1+1}))) - 1 \\
&:= 2/2 + ((2 - 22^2) \times ((2/2 - 22) + 2)) \\
&:= 3 + ((3^3 \times (333+3+3)) + 3) \\
&:= (44 - 4/4) \times ((4/4 - 44) + 4^4) \\
&:= 5 + (((5+5+5) \times (555+55)) - 5/5) + 5) \\
&:= (6 \times 6 + 6/6 + 6) \times (6 \times 6 \times 6 - (6 \times 6/(6+6))) \\
&:= 7 + ((77/7+77) \times (777/7 - 7)) \\
&:= 8 + ((88 \times (88+8+8)) - 8/8) \\
&:= 9 + ((9 \times (999+9+9)) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9160 &:= (1+1) \times (((1+1)^{1+11}) + ((11+11)^{1+1})) \\
&:= 2 \times (2^{2 \times (2+2+2)} + 22^2) \\
&:= 3 + (((3^3 \times (333+3+3)) + 3/3) + 3) \\
&:= 4 + ((4 \times 44 \times (44+4+4)) + 4) \\
&:= 5 + (((5+5+5) \times (555+55)) + 5) \\
&:= 6 + (((6/6+6) + 6) \times (((6+6)/6) + 6 \times 66)) \\
&:= (77 \times ((7 \times 7 - 7) + 77)) - (7+7+7)/7 \\
&:= 8 + (88 \times (88+8+8)) \\
&:= 9 + ((9 \times (999+9+9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9161 &:= 11 + (((11 + (11 - 1))^{1+1+1}) - 111) \\
&:= 2/2 + ((2^{22/2+2}) + 2 \times 22^2) \\
&:= (((3 \times (3+3)) + 3)^3) - (3 \times 33 + 3/3) \\
&:= 4 + (((4 \times 44 \times (44+4+4)) + 4/4) + 4) \\
&:= 5 + ((5 \times 5 \times 55 + (5/5+5)^5) + 5) \\
&:= 6 + (((6/6+6) \times (6 \times 6 \times 6 \times 6 + (66/6))) + 6) \\
&:= (77 \times ((7 \times 7 - 7) + 77)) - (7+7)/7 \\
&:= 8 + ((88 \times (88+8+8)) + 8/8) \\
&:= 9 + ((9 \times (999+9+9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9162 &:= (11 - 1 - 1) \times (((1+1)^{11} - (1+11))/(1+1)) \\
&:= 2 + ((2^{22/2+2}) + 2 \times 22^2) \\
&:= (((3 \times (3+3)) + 3)^3) - 3 \times 33 \\
&:= (44 - 4)/4 + (4 \times 44 \times (44+4+4)) \\
&:= 55/5 + (5 \times 5 \times 55 + (5/5+5)^5) \\
&:= 6 + ((6/6+6) \times ((6 \times 6 \times 6 \times 6 + 6) + 6)) \\
&:= (77 \times ((7 \times 7 - 7) + 77)) - 7/7 \\
&:= 8 + ((88 \times (88+8+8)) + ((8+8)/8)) \\
&:= 9 + (9 \times (999+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9163 &:= (111 \times (1 + (11 - 1)^{1+1})) - (1+1)^{11} \\
&:= 2 + (((2^{22/2+2}) + 2 \times 22^2) + 2/2) \\
&:= 3/3 + (((3 \times (3+3)) + 3)^3) - 3 \times 33 \\
&:= 44/4 + (4 \times 44 \times (44+4+4)) \\
&:= 5^5 + ((5+5)/5 \times (5^5 - 555/5) + 5) \\
&:= (6/6+6) \times (((6 \times 6 \times 6 \times 6 + 6/6) + 6) + 6) \\
&:= 77 \times ((7 \times 7 - 7) + 77) \\
&:= 88/8 + (88 \times (88+8+8)) \\
&:= 9 + ((9 \times (999+9+9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9164 &:= 11 + ((1+1+111) \times (11-1-1)^{1+1}) \\
&:= 2 \times ((2^{2 \times (2+2+2)} + 22^2) + 2) \\
&:= 33/3 + (3^3 \times (333+3+3)) \\
&:= (4 \times (44 \times (44+4+4) + 4)) - 4 \\
&:= 5^5 + (55/5 \times (555 - (5/5+5))) \\
&:= 6 + (((6+6)/6)^6 \times ((6+6) \times (6+6) - 6/6) + 6) \\
&:= 7/7 + (77 \times ((7 \times 7 - 7) + 77)) \\
&:= ((88+8)/8) + (88 \times (88+8+8)) \\
&:= 99/9 + (9 \times (999+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9165 &:= 1 + (11 + ((1+1+111) \times (11-1-1)^{1+1})) \\
&:= 2/2 + ((2 \times (22^2 + 2)) + (2^{22/2+2})) \\
&:= (3 \times (3+3))^3 + 3333 \\
&:= 4/4 + ((4 \times (44 \times (44+4+4) + 4)) - 4) \\
&:= 5^5 + ((5+5) \times ((55 \times 55 - 5)/5)) \\
&:= (6/6 - 66) \times (6 - (666/6 + 6 \times 6)) \\
&:= (7+7)/7 + (77 \times ((7 \times 7 - 7) + 77)) \\
&:= (88+8+8)/8 \times (8 \times 88 + 8/8) \\
&:= (99+9)/9 + (9 \times (999+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9166 &:= (((11 - 1 - 1) \times ((1+1)^{11} - 11)) - 1)/(1+1) \\
&:= 2 + ((2 \times (22^2 + 2)) + (2^{22/2+2})) \\
&:= 3/3 + ((3 \times (3+3))^3 + 3333) \\
&:= 4^4 + ((4 - 4/4)^4 \times (444 - 4)/4) \\
&:= ((5 - 5/5 + 5) \times ((5 - 5/5)^5 - 5)) - 5 \\
&:= ((6+6)/6)^6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) - 6) \\
&:= (7+7+7)/7 + (77 \times ((7 \times 7 - 7) + 77)) \\
&:= 8 + (((88 \times (88+8+8)) - ((8+8)/8)) + 8) \\
&:= (9 \times (999 - 9)) + (((9+9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9167 &:= (1 + ((11 - 1 - 1) \times ((1+1)^{11} - 11)))/(1+1) \\
&:= 22/2 + (((2 \times 22) - 2) \times (222 - 2 - 2)) \\
&:= 3 + ((3^3 \times (333+3+3)) + 33/3) \\
&:= (4 \times (44 \times (44+4+4) + 4)) - 4/4 \\
&:= 5 + ((5 \times 5 \times 55 + (5/5+5)^5) + (55/5)) \\
&:= 6 \times 6 + (((66/6+6) + 6) \times (6 \times 66 + 6/6)) \\
&:= 77/7 + ((77 \times ((7 \times 7 - 7) + 77)) - 7) \\
&:= (8/8+88) \times (888/8 - 8) \\
&:= ((9 \times 9 - 9)/9 + 9) \times (((999+9)/9) - 9)
\end{aligned}$$

- 9168 := $1 + ((1 + ((11 - 1 - 1) \times ((1 + 1)^{11} - 11)))/(1 + 1))$
:= $2 \times ((2 \times (2^{22/2} + 2)) + 22^2)$
:= $3 + ((3 \times (3 + 3))^3 + 3333)$
:= $4 \times (44 \times (44 + 4 + 4) + 4)$
:= $5^5 + (55 \times (55 + 55) - ((5 + 5)/5 + 5))$
:= $66 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) - 6)$
:= $7 + ((77 \times ((7 \times 7 - 7) + 77)) - ((7 + 7)/7))$
:= $8 + ((88 \times (88 + 8 + 8)) + 8)$
:= $99 + (9 \times (999 + 9) - ((9 + 9 + 9)/9))$
- 9169 := $1 + (1 + ((1 + ((11 - 1 - 1) \times ((1 + 1)^{11} - 11)))/(1 + 1)))$
:= $2/2 + (2 \times ((2 \times (2^{22/2} + 2)) + 22^2))$
:= $3 + (((3 \times (3 + 3))^3 + 3333) + 3/3)$
:= $4/4 + (4 \times (44 \times (44 + 4 + 4) + 4))$
:= $5^5 + (55 \times (55 + 55) - (5/5 + 5))$
:= $6 + ((6/6 + 6) \times (((6 \times 6 \times 6 \times 6 + 6/6) + 6) + 6))$
:= $7 + ((77 \times ((7 \times 7 - 7) + 77)) - 7/7)$
:= $8 + (((88 \times (88 + 8 + 8)) + 8/8) + 8)$
:= $99 + (9 \times (999 + 9) - ((9 + 9)/9))$
- 9170 := $((11 \times (1 + 11)) - 1) \times ((11 - 1 - 1)^{1+1} - 11)$
:= $(2 \times 2 \times (22 + 2))^2 - (2 \times 22 + 2)$
:= $3 \times 33 + ((3^3 \times (333 + 3)) - 3/3)$
:= $(4 + 4)/4 + (4 \times (44 \times (44 + 4 + 4) + 4))$
:= $5^5 + (55 \times (55 + 55) - 5)$
:= $((6 + 6)/6 + 6 + 6) \times (666 - 66/6)$
:= $7 + (77 \times ((7 \times 7 - 7) + 77))$
:= $8 + (((88 \times (88 + 8 + 8)) + ((8 + 8)/8)) + 8)$
:= $99 + (9 \times (999 + 9) - 9/9)$
- 9171 := $(11 - 1 - 1) \times ((1 + (1 + 1)^{11} - 11)/(1 + 1))$
:= $(2 \times 2 \times (22 + 2))^2 - (2 \times 22 + 2/2)$
:= $3 \times ((3 \times (3 \times (333 + 3))) + 33)$
:= $(4/4 + 4 + 4) \times (4 \times 4^4 - (4/4 + 4))$
:= $(5 - 5/5 + 5) \times ((5 - 5/5)^5 - 5)$
:= $6 + ((6/6 - 66) \times (6 - (666/6 + 6 \times 6)))$
:= $7 + ((77 \times ((7 \times 7 - 7) + 77)) + 7/7)$
:= $8 + ((88 \times (88 + 8 + 8)) + (88/8))$
:= $99 + 9 \times (999 + 9)$
- 9172 := $((11 - 1) \times (11 + 1111)) - (1 + 1)^{11}$
:= $2 \times ((2 \times ((2 \times (22 + 2))^2)) - 22)$
:= $3/3 + ((3^3 \times (333 + 3)) + 3 \times 33)$
:= $(4^4 \times (4 \times (4 + 4) + 4)) - 44$
:= $5/5 + ((5 - 5/5 + 5) \times ((5 - 5/5)^5 - 5))$
:= $((6 + 6)/6)^6 + (6 \times (6 \times 6 \times (6 \times 6 + 6) + 6))$
:= $7 + ((77 \times ((7 \times 7 - 7) + 77)) + ((7 + 7)/7))$
:= $8 + ((88 \times (88 + 8 + 8)) + ((88 + 8)/8))$
:= $9/9 + (9 \times (999 + 9) + 99)$
- 9173 := $111 + (11111 - (1 + (1 + 1)^{11}))$
:= $2/2 + (2 \times ((2 \times ((2 \times (22 + 2))^2)) - 22))$
:= $33/3 + (((3 \times (3 + 3)) + 3)^3 - 3 \times 33)$
:= $4/4 + ((4^4 \times (4 \times (4 + 4) + 4)) - 44)$
:= $5^5 + ((5 + 5)/5 \times (55 \times 55 - 5/5))$
:= $66 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) - 6/6)$
:= $((77 - 7)/7) + (77 \times ((7 \times 7 - 7) + 77))$
:= $8 + ((88 + 8 + 8)/8 \times (8 \times 88 + 8/8))$
:= $9 + ((9 \times (999 + 9 + 9)) + (99/9))$
- 9174 := $111 + (11111 - (1 + 1)^{11})$
:= $2 + (2 \times ((2 \times ((2 \times (22 + 2))^2)) - 22))$
:= $3 + ((3^3 \times (333 + 3)) + 3 \times 33)$
:= $(4 + 4)/4 + ((4^4 \times (4 \times (4 + 4) + 4)) - 44)$
:= $5^5 + (55 \times (55 + 55) - 5/5)$
:= $66 + (6 \times (6 \times 6 \times (6 \times 6 + 6) + 6))$
:= $77/7 + (77 \times ((7 \times 7 - 7) + 77))$
:= $88/8 \times (8 \times (88 + 8 + 8) + ((8 + 8)/8))$
:= $999/9 + (9 \times (999 + 9) - 9)$
- 9175 := $1 + (111 + (11111 - (1 + 1)^{11}))$
:= $22222/2 - (2 \times 22)^2$
:= $3 + (((3^3 \times (333 + 3)) + 3 \times 33) + 3/3)$
:= $44444/4 - 44 \times 44$
:= $5^5 + 55 \times (55 + 55)$
:= $66 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) + 6/6)$
:= $(77 + 7)/7 + (77 \times ((7 \times 7 - 7) + 77))$
:= $8 + ((8/8 + 88) \times (888/8 - 8))$
:= $((9/9 + 9 \times 9) \times ((999 + 9)/9)) - 9$
- 9176 := $1 + (1 + (111 + (11111 - (1 + 1)^{11})))$
:= $2 \times (((2 \times ((2 \times (22 + 2))^2)) - 22) + 2)$
:= $33/3 + ((3 \times (3 + 3))^3 + 3333)$
:= $4 + ((4^4 \times (4 \times (4 + 4) + 4)) - 44)$
:= $(5/5 + 5)^5 + 5 \times (5 \times 55 + 5)$
:= $((6 + 6)/6 + 6) \times ((6666/6) + 6 \times 6)$
:= $7 + (((77 \times ((7 \times 7 - 7) + 77)) - 7/7) + 7)$
:= $8 + (((88 \times (88 + 8 + 8)) + 8) + 8)$
:= $99 \times (9 \times 9 - 9) + (((9 + 9)/9)^{99/9})$
- 9177 := $(1 + (11 + 11)) \times (((1 + 1) \times (11 - 1))^{1+1} - 1)$
:= $(22 + 2/2) \times ((22 - 2)^2 - 2/2)$
:= $3 \times ((33/3)^3 + (3 \times 3 + 3)^3)$
:= $4 + (((4^4 \times (4 \times (4 + 4) + 4)) - 44) + 4/4)$
:= $5^5 + (55 \times (55 + 55) + ((5 + 5)/5))$
:= $666/6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - 6)$
:= $7 + ((77 \times ((7 \times 7 - 7) + 77)) + 7)$
:= $8 + (((88 \times (88 + 8 + 8)) + 8/8) + 8) + 8)$
:= $9 + ((9 \times (999 + 9) - ((9 + 9 + 9)/9)) + 99)$
- 9178 := $1 + ((1 + (11 + 11)) \times (((1 + 1) \times (11 - 1))^{1+1} - 1))$
:= $(22/2 + 2) \times (222 + 22^2)$
:= $3/3 + (3 \times ((33/3)^3 + (3 \times 3 + 3)^3))$
:= $((4/4 + 4 + 4) \times (4 \times 4^4 - 4)) - (4 + 4)/4$
:= $5 + (((5 + 5)/5 \times (55 \times 55 - 5/5)) + 5^5)$
:= $6 + ((6 \times (6 \times 6 \times (6 \times 6 + 6) + 6)) + ((6 + 6)/6)^6)$
:= $7 + (((77 \times ((7 \times 7 - 7) + 77)) + 7/7) + 7)$
:= $(88 + 8 + 8)/8 \times (((8 + 8)/8) + 8 \times 88)$
:= $9 + ((9 \times (999 + 9) - ((9 + 9)/9)) + 99)$
- 9179 := $((11 - 1 - 1) \times ((1 + 1)^{11-1} - (1 + 1 + 1 + 1))) - 1$
:= $2 + ((22 + 2/2) \times ((22 - 2)^2 - 2/2))$
:= $((3 \times (3 + 3) + 3)^3 - (3 \times 3^3 + 3/3))$
:= $((4/4 + 4 + 4) \times (4 \times 4^4 - 4)) - 4/4$
:= $5 + ((55 \times (55 + 55) - 5/5) + 5^5)$
:= $(66 + 6/6) \times ((66 - 6/6 + 66) + 6)$
:= $7 + (((77 \times ((7 \times 7 - 7) + 77)) + ((7 + 7)/7)) + 7)$
:= $8 + (((88 \times (88 + 8 + 8)) + (88/8)) + 8)$
:= $9 + ((9 \times (999 + 9) - 9/9) + 99)$
- 9180 := $(11 - 1 - 1) \times ((1 + 1)^{11-1} - (1 + 1 + 1 + 1))$
:= $2 \times ((2 \times (((2 \times (22 + 2))^2) + 2)) - 22)$
:= $3 \times ((3^3 + 3) \times (3 \times 33 + 3))$
:= $(4/4 + 4 + 4) \times (4 \times 4^4 - 4)$
:= $5 + (55 \times (55 + 55) + 5^5)$
:= $6 \times (((6 \times 6 \times (6 \times 6 + 6) + 6) + 6) + 6)$
:= $((77 - 7)/7 + 7) \times (7 \times 77 + 7/7)$
:= $(8/8 + 8) \times (8 \times 8 \times (8 + 8) - 8 \times 8/(8 + 8))$
:= $9 + (9 \times (999 + 9) + 99)$
- 9181 := $1 + ((11 - 1 - 1) \times ((1 + 1)^{11-1} - (1 + 1 + 1 + 1)))$
:= $(2^{2+2} \times (((22 + 2)^2) - 2)) - 2/2 - 2$
:= $3/3 + (3 \times ((3^3 + 3) \times (3 \times 33 + 3)))$
:= $4/4 + ((4/4 + 4 + 4) \times (4 \times 4^4 - 4))$
:= $5 + (5 \times (5 \times 55 + 5) + (5/5 + 5)^5)$
:= $6/6 + (6 \times (((6 \times 6 \times (6 \times 6 + 6) + 6) + 6) + 6))$
:= $7 + ((77 \times ((7 \times 7 - 7) + 77)) + (77/7))$
:= $8 + (((88 + 8 + 8)/8 \times (8 \times 88 + 8/8)) + 8)$
:= $9 + ((9 \times (999 + 9) + 99) + 9/9)$
- 9182 := $((1 + 111) \times (1 + (11 - 1 - 1)^{1+1})) - 1 - 1$
:= $(2^{2+2} \times (((22 + 2)^2) - 2)) - 2$
:= $3 + (((3 \times (3 + 3)) + 3)^3 - (3 \times 3^3 + 3/3))$
:= $(4 + 4)/4 + ((4/4 + 4 + 4) \times (4 \times 4^4 - 4))$
:= $5 + ((5 \times (5 \times 55 + 5) + (5/5 + 5)^5) + 5/5)$
:= $((666 - 6)/6) + 6 \times 6 \times 6 \times (6 \times 6 + 6)$
:= $((7/7 - 77) \times (7 - ((7 + 7)/7)^7)) - (7 + 7)$
:= $8 + ((88 \times (88 + 8 + 8)) + (88 + 88)/8)$
:= $99 + (9 \times (999 + 9) + (99/9))$

- 9183 := $((1 + 111) \times (1 + (11 - 1 - 1)^{1+1})) - 1$
:= $(2^{2+2} \times ((22 + 2)^2 - 2)) - 2/2$
:= $3 + (3 \times (3^3 + 3) \times (3 \times 33 + 3))$
:= $4 + (((4/4 + 4 + 4) \times (4 \times 4^4 - 4)) - 4/4)$
:= $5^5 + ((5 + 5)/5 \times ((55 \times 55 - 5/5) + 5))$
:= $666/6 + 6 \times 6 \times 6 \times (6 \times 6 + 6)$
:= $(7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - 7/7 - 77$
:= $8 + (((8/8 + 88) \times (888/8 - 8)) + 8)$
:= $999/9 + 9 \times (999 + 9)$
- 9184 := $(1 + 111) \times (1 + (11 - 1 - 1)^{1+1})$
:= $2^{2+2} \times ((22 + 2)^2 - 2)$
:= $((333 + 3)/3) \times (3 \times 3^3 + 3/3)$
:= $4 + ((4/4 + 4 + 4) \times (4 \times 4^4 - 4))$
:= $(55/5 + 5) \times (((5^5 - 5)/5 - 55) + 5)$
:= $(666 + 6)/6 + 6 \times 6 \times 6 \times (6 \times 6 + 6)$
:= $(7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - 77$
:= $(8 + 8) \times (8 \times (8 \times 8 + 8) - (8 + 8)/8)$
:= $(9/9 + 9 \times 9) \times ((999 + 9)/9)$
- 9185 := $1 + ((1 + 111) \times (1 + (11 - 1 - 1)^{1+1}))$
:= $2/2 + (2^{2+2} \times ((22 + 2)^2 - 2))$
:= $33 + (3^3 \times (333 + 3 + 3)) - 3/3$
:= $4 + (((4/4 + 4 + 4) \times (4 \times 4^4 - 4)) + 4/4)$
:= $55 \times ((555 + 5)/5 + 55)$
:= $6 + ((66 + 6/6) \times ((66 - 6/6 + 66) + 6))$
:= $7/7 + ((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - 77)$
:= $8/8 + ((8 + 8) \times (8 \times (8 \times 8 + 8) - (8 + 8)/8))$
:= $9/9 + ((9/9 + 9 \times 9) \times ((999 + 9)/9))$
- 9186 := $1 + (1 + ((1 + 111) \times (1 + (11 - 1 - 1)^{1+1})))$
:= $2 + (2^{2+2} \times ((22 + 2)^2 - 2))$
:= $33 + (3^3 \times (333 + 3 + 3))$
:= $4 + (((4/4 + 4 + 4) \times (4 \times 4^4 - 4)) + (4 + 4)/4)$
:= $5 + ((5 \times (5 \times 55 + 5) + (5/5 + 5)^5) + 5)$
:= $6 + (6 \times (((6 \times 6 \times (6 \times 6 + 6) + 6) + 6) + 6))$
:= $(7 + 7)/7 + ((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - 77)$
:= $8 + ((88 + 8 + 8)/8 \times (((8 + 8)/8) + 8 \times 88))$
:= $99 + ((9 \times 999 - ((9 + 9 + 9)/9)) + 99)$
- 9187 := $((11 - 1 - 1) \times ((1 + 1)^{11-1} - (1 + 1))) - 11$
:= $2 + (2^{2+2} \times ((22 + 2)^2 - 2)) + 2/2$
:= $3 + (((333 + 3)/3) \times (3 \times 3^3 + 3/3))$
:= $4 + (((4/4 + 4 + 4) \times (4 \times 4^4 - 4)) - 4/4) + 4$
:= $5^5 + (55 \times (55 + 55) + ((55 + 5)/5))$
:= $6 + ((6 \times (((6 \times 6 \times (6 \times 6 + 6) + 6) + 6) + 6)) + 6/6)$
:= $7 + (((77 - 7)/7 + 7) \times (7 \times 77 + 7/7))$
:= $8 + (((88 \times (88 + 8 + 8)) + (88/8)) + 8) + 8$
:= $99 + ((9 \times 999 - ((9 + 9)/9)) + 99)$
- 9188 := $((11 - 1 - 1) \times ((1 + 1)^{11-1} - 1 - 1 - 1)) - 1$
:= $2 + (2^{2+2} \times ((22 + 2)^2 - 2)) + 2$
:= $((3 \times (3 + 3) + 3)^3) - (((3 + 3)^3 + 3)/3)$
:= $4 + (((4/4 + 4 + 4) \times (4 \times 4^4 - 4)) + 4)$
:= $((5 + 5 + 5) \times (5^5/5 - 5)) - (555 + 5)/5$
:= $6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + ((666 - 6)/6))$
:= $7 + (((77 \times ((7 \times 7 - 7) + 77)) + (77/7)) + 7)$
:= $((88/8 + 8) \times 88 \times 88/(8 + 8)) - 8$
:= $99 + ((9 \times 999 - 9/9) + 99)$
- 9189 := $(11 - 1 - 1) \times ((1 + 1)^{11-1} - 1 - 1 - 1)$
:= $(2/2 + 2)^2 \times (((2^{22/2} - 2)/2) - 2)$
:= $3 \times (((3^3 + 3) \times (3 \times 33 + 3)) + 3)$
:= $(4/4 + 4 + 4) \times ((4 \times 4^4 - 4) + 4/4)$
:= $((5 + 5 + 5) \times (5^5/5 - 5)) - 555/5$
:= $6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + 666/6)$
:= $((7/7 - 77) \times (7 - ((7 + 7)/7)^7)) - 7$
:= $(8/8 + 8) \times ((8 \times 8 \times (8 + 8) - (88/8)) + 8)$
:= $99 + (9 \times 999 + 99)$
- 9190 := $1 + ((11 - 1 - 1) \times ((1 + 1)^{11-1} - 1 - 1 - 1))$
:= $(2 \times 2 \times (22 + 2))^2 - 22 - 2 - 2$
:= $((3 - (3 + 3)^3)/3) + (((3 \times (3 + 3)) + 3)^3)$
:= $4/4 + ((4/4 + 4 + 4) \times ((4 \times 4^4 - 4) + 4/4))$
:= $5 + (55 \times ((555 + 5)/5 + 55))$
:= $6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + (666 + 6)/6)$
:= $((7/7 + 77) \times (777/7 + 7)) - (7 + 7)$
:= $((8/8 + 8) \times (8 \times 8 \times (8 + 8) - ((8 + 8)/8))) - 8$
:= $9/9 + ((9 \times 999 + 99) + 99)$
- 9191 := $(11 - 1)^{1+1+1} + (((1 + 1)^{1+1+1}) - 1)$
:= $(2 \times 2 \times (22 + 2))^2 - ((22 + 2/2) + 2)$
:= $3 + (((3 \times (3 + 3)) + 3)^3) - (((3 + 3)^3 + 3)/3)$
:= $44/4 + ((4/4 + 4 + 4) \times (4 \times 4^4 - 4))$
:= $((5 - 5/5 + 5) \times (5 - 5/5)^5) - 5 \times 5$
:= $(6/6 + 6) \times ((6 \times 6 \times 6 + 6) + (66/6) + 6)$
:= $7 + ((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - 77)$
:= $(8 \times (8 + 8) \times (8 \times 8 + 8)) - (8/8 + 8 + 8 + 8)$
:= $((9/9 + 9 \times 9) + 9) \times ((9 + 9)/9 + 99)$
- 9192 := $(11 - 1)^{1+1+1} + ((1 + 1)^{1+1+1})$
:= $(2 \times 2 \times (22 + 2))^2 - 22 - 2$
:= $3 + ((3^3 \times 333) + 33 \times (3 + 3))$
:= $44 + ((4 \times 44 \times (44 + 4 + 4)) - 4)$
:= $(5 + 5)/5 \times ((5/5 + 5)^5 - (55 + 5^5))$
:= $6 + ((6 \times (((6 \times 6 \times (6 \times 6 + 6) + 6) + 6) + 6)) + 6)$
:= $(77 + 7)/7 \times (777 - (77/7))$
:= $(8 \times (8 + 8) \times (8 \times 8 + 8)) - 8 - 8 - 8$
:= $9 + (9 \times (999 + 9) + 999/9)$
- 9193 := $1 + ((11 - 1)^{1+1+1} + ((1 + 1)^{1+1+1}))$
:= $(2 \times 2 \times (22 + 2))^2 - 22 - 2/2$
:= $3 + (((3 - (3 + 3)^3)/3) + (((3 \times (3 + 3)) + 3)^3))$
:= $4 + ((4/4 + 4 + 4) \times ((4 \times 4^4 - 4) + 4/4))$
:= $(5 \times 5 - 5/5 + 5) \times ((5^5 - 5)/5 + 5)$
:= $6 \times 6 \times 6 \times (6 \times 6 + 6) + ((66/6) \times (66/6))$
:= $7/7 + ((77 + 7)/7 \times (777 - (77/7)))$
:= $8/8 + ((8 \times (8 + 8) \times (8 \times 8 + 8)) - (8 + 8 + 8))$
:= $9 + ((9/9 + 9 \times 9) \times ((999 + 9)/9))$
- 9194 := $((11 - 1 - 1) \times (1 + 1)^{11-1}) - 11 - 11$
:= $(2 \times 2 \times (22 + 2))^2 - 22$
:= $((3 \times (3 + 3) + 3)^3) - (((3/3 + 3)^3) + 3)$
:= $(4^4 \times (4 \times (4 + 4) + 4)) - (44/((4 + 4)/4))$
:= $((5 + 5 + 5) \times ((5^5 - (55 + 5))/5)) - 5/5$
:= $6 \times 6 \times 6 \times (6 \times 6 + 6) + ((666 + 66)/6)$
:= $((7 + 7 + 7)/7)^7 + (77 \times (77 + 7 + 7))$
:= $((8 + 8)/8) \times (8 \times 8 \times (8 \times 8 + 8) - (88/8))$
:= $((9 + 9)/9) \times (9 \times ((9 + 9)/9)^9 - (99/9))$
- 9195 := $11 + ((1 + 111) \times (1 + (11 - 1 - 1)^{1+1}))$
:= $2/2 + ((2 \times 2 \times (22 + 2))^2 - 22)$
:= $((3 \times (3 + 3) + 3)^3) - (33 + 33)$
:= $44 + ((4 \times 44 \times (44 + 4 + 4)) - 4/4)$
:= $(5 + 5 + 5) \times ((5^5 - (55 + 5))/5)$
:= $6 + ((6 \times 6 \times 6 \times (6 \times 6 + 6) + 666/6) + 6)$
:= $((7/7 - 77) \times (7 - ((7 + 7)/7)^7)) - 7/7$
:= $88/8 + ((8 + 8) \times (8 \times (8 \times 8 + 8) - (8 + 8)/8))$
:= $((9 + 9) \times ((9 + 9)/9)^9) - ((99 + 9)/9 + 9)$
- 9196 := $((1 + 1) \times (11 - 1)) - 1 \times ((11 + 11)^{1+1})$
:= $22^2 \times (22 - (2/2 + 2))$
:= $(33/3 + 3^3) \times ((3^3 + 3) - 3)/3$
:= $44 + (4 \times 44 \times (44 + 4 + 4))$
:= $5 + (((5 - 5/5 + 5) \times (5 - 5/5)^5) - 5 \times 5)$
:= $66/6 \times ((66/6) \times (((6 + 6)/6)^6 + 6) + 6)$
:= $(7/7 - 77) \times (7 - ((7 + 7)/7)^7)$
:= $(88/8 + 8) \times 88 \times 88/(8 + 8)$
:= $((9 + 9) \times ((9 + 9)/9)^9) - (99/9 + 9)$
- 9197 := $((11 - 1 - 1) \times ((1 + 1)^{11-1} - (1 + 1))) - 1$
:= $2/2 + (22^2 \times (22 - (2/2 + 2)))$
:= $((3 \times (3 + 3) + 3)^3) - ((3/3 + 3)^3)$
:= $44 + ((4 \times 44 \times (44 + 4 + 4)) + 4/4)$
:= $5 + ((5 + 5)/5 \times ((5/5 + 5)^5 - (55 + 5^5)))$
:= $6 + ((6/6 + 6) \times ((6 \times 6 \times 6 + 6) + (66/6) + 6))$
:= $((7/7 + 77) \times (777/7 + 7)) - 7$
:= $(8 \times (8 + 8) \times (8 \times 8 + 8)) - (88/8 + 8)$
:= $((9 + 9) \times ((9 + 9)/9)^9) - (9/9 + 9 + 9)$

$$\begin{aligned}
\blacktriangleright 9198 &:= (11 - 1 - 1) \times ((1 + 1)^{11-1} - (1 + 1)) \\
&:= 2 + (22^2 \times (22 - (2/2 + 2))) \\
&:= (3 \times 3 + 33) \times ((3 + 3)^3 + 3) \\
&:= (4/4 + 4 + 4) \times (4 \times 4^4 - (4 + 4)/4) \\
&:= (5 - (5 + 5)/5) \times ((5^5 - (55 + 5)) + 5/5) \\
&:= (6/6 + 6) \times (((6 \times 6 \times 6 \times 6 + 6) + 6) + 6) \\
&:= (7 \times (7 \times 77 + 777)) - (7 + 7) \\
&:= (8/8 + 8) \times (8 \times 8 \times (8 + 8) - ((8 + 8)/8)) \\
&:= (9 + 9) \times (((9 + 9)/9)^9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9199 &:= 1 + ((11 - 1 - 1) \times ((1 + 1)^{11-1} - (1 + 1))) \\
&:= ((22 + 2/2) \times (22 - 2)^2) - 2/2 \\
&:= 3/3 + ((3 \times 3 + 33) \times ((3 + 3)^3 + 3)) \\
&:= (4^4 \times (4 \times (4 + 4) + 4)) - (4 \times 4 + 4/4) \\
&:= 5^5 + ((5 \times (5 \times ((5 - (5 + 5)/5)^5))) - 5/5) \\
&:= 6/6 + ((6/6 + 6) \times (((6 \times 6 \times 6 \times 6 + 6) + 6) + 6)) \\
&:= 7 + ((77 + 7)/7 \times (777 - (77/7))) \\
&:= (8 \times (8 + 8) \times (8 \times 8 + 8)) - (8/8 + 8 + 8) \\
&:= 9/9 + ((9 + 9) \times (((9 + 9)/9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9200 &:= (1 + (11 + 11)) \times ((1 + 1) \times (11 - 1))^{1+1} \\
&:= (22 + 2/2) \times (22 - 2)^2 \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) - ((3/3 + 3)^3) \\
&:= 4 \times ((4^4 \times (4 + 4) - 4) + 4^4) \\
&:= 5 \times (5 \times ((5^5 + 5)/(5 + 5) + 55)) \\
&:= ((66/6 + 6) + 6) \times ((6 \times 66 - ((6 + 6)/6) + 6) \\
&:= (7/7 + 7 \times 7) \times (((7 + 7)/7)^7 + 7 \times 7) + 7) \\
&:= (8 + 8) \times (8 \times (8 \times 8 + 8) - 8/8) \\
&:= (9/9 + 99) \times ((99/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9201 &:= 1 + ((1 + (11 + 11)) \times ((1 + 1) \times (11 - 1))^{1+1}) \\
&:= 2/2 + ((22 + 2/2) \times (22 - 2)^2) \\
&:= 3 + ((3 \times 3 + 33) \times ((3 + 3)^3 + 3)) \\
&:= 4/4 + (4 \times ((4^4 \times (4 + 4) - 4) + 4^4)) \\
&:= (5/5 + 5)^5 + (5 \times ((5 \times 55 + 5) + 5)) \\
&:= (666/6 \times (66/6 + 66 + 6)) - 6 - 6 \\
&:= (7 \times (7 \times 77 + 777)) - 7/7 \\
&:= 8/8 + ((8 + 8) \times (8 \times (8 \times 8 + 8) - 8/8)) \\
&:= 99 + (9 \times 999 + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9202 &:= (111 \times (1 + (1 + (11 - 1 - 1)^{1+1}))) - 11 \\
&:= 2 + ((22 + 2/2) \times (22 - 2)^2) \\
&:= 3 + (((3 \times 3 + 33) \times ((3 + 3)^3 + 3)) + 3/3) \\
&:= 4 + ((4/4 + 4 + 4) \times (4 \times 4^4 - (4 + 4)/4)) \\
&:= ((5 - (5 + 5)/5) \times (5^5 - (55 + 5/5))) - 5 \\
&:= (6 \times 6 + 6/6 + 6) \times (6 \times 6 \times 6 - (6 + 6)/6) \\
&:= ((7 - 77)/7) + (7 \times (7 \times 77 + 777)) \\
&:= (8 + 8)/8 + ((8 + 8) \times (8 \times (8 \times 8 + 8) - 8/8)) \\
&:= 9 + (((9/9 + 9 \times 9) \times ((999 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9203 &:= ((11 - 1 - 1) \times (1 + 1)^{11-1}) - 1 - 1 - 11 \\
&:= (2 \times 2 \times (22 + 2))^2 - (22/2 + 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) - ((3/3 + 3)^3) + 3) \\
&:= ((4/4 + 4 + 4) \times (4 \times 4^4 - 4/4)) - 4 \\
&:= 5 + ((5 - (5 + 5)/5) \times ((5^5 - (55 + 5)) + 5/5)) \\
&:= 66 + ((6 \times 6 \times 6 \times (6 \times 6 + 6) - 6/6) + 66) \\
&:= 7 + ((7/7 - 77) \times (7 - ((7 + 7)/7)^7)) \\
&:= (8 \times (8 + 8) \times (8 \times 8 + 8)) - (88 + 8 + 8)/8 \\
&:= ((9 + 9) \times ((9 + 9)/9)^9) - (99 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9204 &:= ((11 - 1 - 1) \times (1 + 1)^{11-1}) - 1 - 11 \\
&:= 2 \times ((2 \times ((2 \times (22 + 2))^2) - 2)) - 2) \\
&:= (3 + 3)^3 + ((3^3 \times 333) - 3) \\
&:= 4 + (4 \times ((4^4 \times (4 + 4) - 4) + 4^4)) \\
&:= (5 - (5 + 5)/5) \times (5^5 - ((5 + 5)/5 + 55)) \\
&:= 66 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + 66) \\
&:= (7/7 + 77) \times (777/7 + 7) \\
&:= ((88 + 8)/8) \times (8 \times (88 + 8) - 8/8) \\
&:= ((9 + 9) \times ((9 + 9)/9)^9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9205 &:= ((11 - 1 - 1) \times (1 + 1)^{11-1}) - 11 \\
&:= (2 \times 2 \times (22 + 2))^2 - 22/2 \\
&:= ((3 \times 33 - 3)^{3-3/3}) - 33/3 \\
&:= (4^4 \times (4 \times (4 + 4) + 4)) - 44/4 \\
&:= ((5 + 5 + 5) \times ((5^5 - 55)/5)) - 5 \\
&:= (6 \times 6 - 6/6) \times (6 \times (6 \times 6 + 6) + (66/6)) \\
&:= (7 \times (7 \times 77 + 777)) - 7 \\
&:= (8 \times (8 + 8) \times (8 \times 8 + 8)) - 88/8 \\
&:= ((9 + 9) \times ((9 + 9)/9)^9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9206 &:= ((11 - 1 - 1) \times ((1 + 1)^{11-1} - 1)) - 1 \\
&:= (2 \times (2 \times ((2 \times (22 + 2))^2) - 2))) - 2 \\
&:= (3 + 3)^3 + ((3^3 \times 333) - 3/3) \\
&:= (4 - 44)/4 + (4^4 \times (4 \times (4 + 4) + 4)) \\
&:= 55 + (5 \times 5 \times 55 + (5/5 + 5)^5) \\
&:= (6 - 66)/6 + ((6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6)) \\
&:= 7/7 + ((7 \times (7 \times 77 + 777)) - 7) \\
&:= (8 - 88)/8 + (8 \times (8 + 8) \times (8 \times 8 + 8)) \\
&:= ((9 + 9) \times ((9 + 9)/9)^9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9207 &:= (11 - 1 - 1) \times ((1 + 1)^{11-1} - 1) \\
&:= 2 + ((2 \times 2 \times (22 + 2))^2 - 22/2) \\
&:= 3 \times (33 \times (3 \times (3^3 + 3) + 3)) \\
&:= (4/4 + 4 + 4) \times (4 \times 4^4 - 4/4) \\
&:= (5 - (5 + 5)/5) \times (5^5 - (55 + 5/5)) \\
&:= 66/6 \times ((66 \times 66 + 666)/6) \\
&:= (7 + 7)/7 + ((7 \times (7 \times 77 + 777)) - 7) \\
&:= (8/8 + 8) \times (8 \times 8 \times (8 + 8) - 8/8) \\
&:= ((9 + 9) \times ((9 + 9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9208 &:= 1 + ((11 - 1 - 1) \times ((1 + 1)^{11-1} - 1)) \\
&:= 2 \times (2 \times (((2 \times (22 + 2))^2) - 2)) \\
&:= 3/3 + ((3^3 \times 333) + (3 + 3)^3) \\
&:= (4^4 \times (4 \times (4 + 4) + 4)) - 4 - 4 \\
&:= 5^5 + (55/5 \times (555 - (5 + 5)/5)) \\
&:= 6 + ((6 \times 6 + 6/6 + 6) \times (6 \times 6 \times 6 - (6 + 6)/6)) \\
&:= 7 + ((7 \times (7 \times 77 + 777)) - (77/7)) \\
&:= (8 \times (8 + 8) \times (8 \times 8 + 8)) - 8 \\
&:= 9/9 + (((9 + 9) \times ((9 + 9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9209 &:= 1 + (1 + ((11 - 1 - 1) \times ((1 + 1)^{11-1} - 1))) \\
&:= 2/2 + (2 \times (2 \times (((2 \times (22 + 2))^2) - 2))) \\
&:= 3 + (((3^3 \times 333) - 3/3) + (3 + 3)^3) \\
&:= 4 + ((4^4 \times (4 \times (4 + 4) + 4)) - 44/4) \\
&:= ((5 + 5 + 5) \times ((5^5 - 55)/5)) - 5/5 \\
&:= ((6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6)) - 6/6 - 6 \\
&:= ((7 \times (7 + 7) - ((7 + 7)/7))^{(7+7)/7}) - 7 \\
&:= 8/8 + ((8 \times (8 + 8) \times (8 \times 8 + 8)) - 8) \\
&:= 9 + ((9/9 + 99) \times ((99/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9210 &:= 1 + (1 + (1 + ((11 - 1 - 1) \times ((1 + 1)^{11-1} - 1)))) \\
&:= 2 + (2 \times (2 \times ((2 \times (22 + 2))^2) - 2)) \\
&:= 3 + ((3^3 \times 333) + (3 + 3)^3) \\
&:= (4^4 \times (4 \times (4 + 4) + 4)) - ((4 + 4)/4 + 4) \\
&:= (5 + 5 + 5) \times ((5^5 - 55)/5) \\
&:= ((6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6)) - 6 \\
&:= (7 \times (7 \times 77 + 777)) - (7 + 7)/7 \\
&:= (8 + 8)/8 + ((8 \times (8 + 8) \times (8 \times 8 + 8)) - 8) \\
&:= 9 + ((9 \times 999 + 999/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9211 &:= (((11 - 1 - 1) \times ((1 + 1)^{11} - 1)) - 1)/(1 + 1) \\
&:= (2 \times 2 \times (22 + 2))^2 - 2/2 - 2 - 2 \\
&:= 3 + (((3^3 \times 333) + (3 + 3)^3) + 3/3) \\
&:= (4^4 \times (4 \times (4 + 4) + 4)) - 4/4 - 4 \\
&:= ((5 - 5/5 + 5) \times (5 - 5/5)^5) - 5 \\
&:= 6/6 + (((6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6)) - 6) \\
&:= (7 \times (7 \times 77 + 777)) - 7/7 \\
&:= 88/8 + ((8 + 8) \times (8 \times (8 \times 8 + 8) - 8/8)) \\
&:= 9 \times (9 \times 99 + 9) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9212 &:= (1 + ((11 - 1 - 1) \times ((1 + 1)^{11} - 1)))/(1 + 1) \\
&:= 2 \times ((2 \times ((2 \times (22 + 2))^2)) - 2) \\
&:= (3^3 + 3/3) \times (333 - (3/3 + 3)) \\
&:= (4^4 \times (4 \times (4 + 4) + 4)) - 4 \\
&:= 5 + ((5 - (5 + 5)/5) \times (5^5 - (55 + 5/5))) \\
&:= (6 + 6)/6 + (((6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6)) - 6) \\
&:= 7 \times (7 \times 77 + 777) \\
&:= (8 \times (8 + 8) \times (8 \times 8 + 8)) - 8 \times 8/(8 + 8) \\
&:= ((9 + 9)/9) \times (9 \times ((9 + 9)/9)^9 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9213 &:= 111 \times (1 + (1 + (11 - 1 - 1)^{1+1})) \\
&:= (2 \times 2 \times (22 + 2))^2 - 2/2 - 2 \\
&:= ((3 \times 33 - 3)^{3-3/3}) - 3 \\
&:= 4/4 + ((4^4 \times (4 \times (4 + 4) + 4)) - 4) \\
&:= (5 - (5 + 5)/5) \times ((5^5 - 55) + 5/5) \\
&:= 666/6 \times (66/6 + 66 + 6) \\
&:= 7/7 + (7 \times (7 \times 77 + 777)) \\
&:= 8 + ((8 \times (8 + 8) \times (8 \times 8 + 8)) - (88/8)) \\
&:= 999/9 \times (((9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9214 &:= ((11 - 1 - 1) \times (1 + 1)^{11-1}) - 1 - 1 \\
&:= (2 \times 2 \times (22 + 2))^2 - 2 \\
&:= 3/3 + (((3 \times 33 - 3)^{3-3/3}) - 3) \\
&:= (4^4 \times (4 \times (4 + 4) + 4)) - (4 + 4)/4 \\
&:= 5 + (((5 + 5 + 5) \times ((5^5 - 55)/5)) - 5/5) \\
&:= ((6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6)) - (6 + 6)/6 \\
&:= (7 + 7)/7 + (7 \times (7 \times 77 + 777)) \\
&:= (8 \times (8 + 8) \times (8 \times 8 + 8)) - (8 + 8)/8 \\
&:= (9 + 9) \times ((9 + 9)/9)^9 - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9215 &:= ((11 - 1 - 1) \times (1 + 1)^{11-1}) - 1 \\
&:= (2 \times 2 \times (22 + 2))^2 - 2/2 \\
&:= ((3 \times 33 - 3)^{3-3/3}) - 3/3 \\
&:= (4^4 \times (4 \times (4 + 4) + 4)) - 4/4 \\
&:= 5 + ((5 + 5 + 5) \times ((5^5 - 55)/5)) \\
&:= ((6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6)) - 6/6 \\
&:= (7 + 7 + 7)/7 + (7 \times (7 \times 77 + 777)) \\
&:= (8 \times (8 + 8) \times (8 \times 8 + 8)) - 8/8 \\
&:= (9 + 9) \times ((9 + 9)/9)^9 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9216 &:= (11 - 1 - 1) \times (1 + 1)^{11-1} \\
&:= (2 \times 2 \times (22 + 2))^2 \\
&:= (3 \times 33 - 3)^{3-3/3} \\
&:= 4^4 \times (4 \times (4 + 4) + 4) \\
&:= (5 - 5/5 + 5) \times (5 - 5/5)^5 \\
&:= (6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6) \\
&:= (7 \times (7 + 7) - ((7 + 7)/7))^{(7+7)/7} \\
&:= 8 \times (8 + 8) \times (8 \times 8 + 8) \\
&:= (9 + 9) \times ((9 + 9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9217 &:= 1 + ((11 - 1 - 1) \times (1 + 1)^{11-1}) \\
&:= 2/2 + (2 \times 2 \times (22 + 2))^2 \\
&:= 3/3 + ((3 \times 33 - 3)^{3-3/3}) \\
&:= 4/4 + (4^4 \times (4 \times (4 + 4) + 4)) \\
&:= 5/5 + ((5 - 5/5 + 5) \times (5 - 5/5)^5) \\
&:= 6/6 + ((6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6)) \\
&:= 7 + ((7 \times (7 \times 77 + 777)) - ((7 + 7)/7)) \\
&:= 8/8 + (8 \times (8 + 8) \times (8 \times 8 + 8)) \\
&:= 9/9 + ((9 + 9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9218 &:= 1 + (1 + ((11 - 1 - 1) \times (1 + 1)^{11-1})) \\
&:= 2 + (2 \times 2 \times (22 + 2))^2 \\
&:= 3 + (((3 \times 33 - 3)^{3-3/3}) - 3/3) \\
&:= (4 + 4)/4 + (4^4 \times (4 \times (4 + 4) + 4)) \\
&:= 5 + ((5 - (5 + 5)/5) \times ((5^5 - 55) + 5/5)) \\
&:= (6 + 6)/6 + ((6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6)) \\
&:= 7 + ((7 \times (7 \times 77 + 777)) - 7/7) \\
&:= (8 + 8)/8 + (8 \times (8 + 8) \times (8 \times 8 + 8)) \\
&:= (9 + 9)/9 + ((9 + 9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9219 &:= 1 + (1 + (1 + ((11 - 1 - 1) \times (1 + 1)^{11-1}))) \\
&:= 2 + ((2 \times 2 \times (22 + 2))^2 + 2/2) \\
&:= 3 + ((3 \times 33 - 3)^{3-3/3}) \\
&:= 4 + ((4^4 \times (4 \times (4 + 4) + 4)) - 4/4) \\
&:= 5^5 + (55/5 \times (555 - 5/5)) \\
&:= 6 + (666/6 \times (66/6 + 66 + 6)) \\
&:= 7 + (7 \times (7 \times 77 + 777)) \\
&:= 88/8 + ((8 \times (8 + 8) \times (8 \times 8 + 8)) - 8) \\
&:= ((9 + 9 + 9)/9) + ((9 + 9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9220 &:= (((11 - 1 - 1) \times (1 + (1 + 1)^{11})) - 1)/(1 + 1) \\
&:= 2 + ((2 \times 2 \times (22 + 2))^2 + 2) \\
&:= 3 + (((3 \times 33 - 3)^{3-3/3}) + 3/3) \\
&:= 4 + (4^4 \times (4 \times (4 + 4) + 4)) \\
&:= ((5 + 5 + 5) \times (5^5/5 - (5 + 5))) - 5 \\
&:= 6 + (((6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6)) - ((6 + 6)/6)) \\
&:= 7 + ((7 \times (7 \times 77 + 777)) + 7/7) \\
&:= 8 \times 8/(8 + 8) + (8 \times (8 + 8) \times (8 \times 8 + 8)) \\
&:= 9 + (9 \times (9 \times 99 + 9) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9221 &:= (1 + ((11 - 1 - 1) \times (1 + (1 + 1)^{11}))) / (1 + 1) \\
&:= 2 + (((2 \times 2 \times (22 + 2))^2 + 2/2) + 2) \\
&:= 3 + (((3 \times 33 - 3)^{3-3/3}) - 3/3) + 3) \\
&:= 4 + ((4^4 \times (4 \times (4 + 4) + 4)) + 4/4) \\
&:= 5 + ((5 - 5/5 + 5) \times (5 - 5/5)^5) \\
&:= 6 + (((6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6)) - 6/6) \\
&:= 7 + ((7 \times (7 \times 77 + 777)) + ((7 + 7)/7)) \\
&:= 8 + (((8 \times (8 + 8) \times (8 \times 8 + 8)) - (88/8)) + 8) \\
&:= ((9 \times 9 + 9)/(9 + 9)) + ((9 + 9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9222 &:= 1 + ((1 + ((11 - 1 - 1) \times (1 + (1 + 1)^{11}))) / (1 + 1)) \\
&:= 2 + (((2 \times 2 \times (22 + 2))^2 + 2) + 2) \\
&:= 3 + (((3 \times 33 - 3)^{3-3/3}) + 3) \\
&:= 4 + ((4^4 \times (4 \times (4 + 4) + 4)) + (4 + 4)/4) \\
&:= 5 + (((5 - 5/5 + 5) \times (5 - 5/5)^5) + 5/5) \\
&:= 6 + ((6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6)) \\
&:= ((77 - 7)/7) + (7 \times (7 \times 77 + 777)) \\
&:= 8 + ((8 \times (8 + 8) \times (8 \times 8 + 8)) - ((8 + 8)/8)) \\
&:= 9 + (999/9 \times ((9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9223 &:= ((11 - 1 - 1) \times (1 + (1 + 1)^{11-1})) - 1 - 1 \\
&:= (22 + 2/2) \times ((22 - 2)^2 + 2/2) \\
&:= (((3 \times (3 + 3)) + 3)^3) - (33/3 + 3^3) \\
&:= 4 + (((4^4 \times (4 \times (4 + 4) + 4)) - 4/4) + 4) \\
&:= ((5 + 5 + 5) \times (5^5/5 - (5 + 5))) - (5 + 5)/5 \\
&:= 6 + (((6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6)) + 6/6) \\
&:= 7 + ((7 \times (7 + 7) - ((7 + 7)/7))^{(7+7)/7}) \\
&:= 8 + ((8 \times (8 + 8) \times (8 \times 8 + 8)) - 8/8) \\
&:= 9 + (((9 + 9) \times ((9 + 9)/9)^9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9224 &:= ((11 - 1 - 1) \times (1 + (1 + 1)^{11-1})) - 1 \\
&:= 2 \times (2 \times (((2 \times (22 + 2))^2) + 2)) \\
&:= (((3 \times (3 + 3)) + 3)^3) - (3/3 + 33 + 3) \\
&:= 4 + ((4^4 \times (4 \times (4 + 4) + 4)) + 4) \\
&:= ((5 + 5 + 5) \times (5^5/5 - (5 + 5))) - 5/5 \\
&:= 6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - ((6 + 6)/6)^6 \\
&:= (7/7 + 7) \times ((7777/7 - 7) + 7 \times 7) \\
&:= 8 + (8 \times (8 + 8) \times (8 \times 8 + 8)) \\
&:= 9 + (((9 + 9) \times ((9 + 9)/9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9225 &:= (11 - 1 - 1) \times (1 + (1 + 1)^{11-1}) \\
&:= 2/2 + (2 \times (2 \times (((2 \times (22 + 2))^2) + 2))) \\
&:= (((3 \times (3 + 3)) + 3)^3) - (33 + 3) \\
&:= (4/4 + 4 + 4) \times (4 \times 4^4 + 4/4) \\
&:= (5 + 5 + 5) \times (5^5/5 - (5 + 5)) \\
&:= 6 + ((666/6 \times (66/6 + 66 + 6)) + 6) \\
&:= 7 + (((7 \times (7 \times 77 + 777)) - 7/7) + 7) \\
&:= 8 + ((8 \times (8 + 8) \times (8 \times 8 + 8)) + 8/8) \\
&:= 9 + ((9 + 9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9226 &:= 1 + ((11 - 1 - 1) \times (1 + (1 + 1)^{11-1})) \\
&:= 2 + (2 \times (2 \times (((2 \times (22 + 2))^2) + 2))) \\
&:= 3/3 + (((3 \times (3 + 3)) + 3)^3) - (33 + 3) \\
&:= (44 - 4)/4 + (4^4 \times (4 \times (4 + 4) + 4)) \\
&:= 5 + (((5 - 5/5 + 5) \times (5 - 5/5)^5) + 5) \\
&:= ((6 + 6)/6 + 6 + 6) \times (666 - 6/6 - 6) \\
&:= 7 + ((7 \times (7 \times 77 + 777)) + 7) \\
&:= 8 + ((8 \times (8 + 8) \times (8 \times 8 + 8)) + ((8 + 8)/8)) \\
&:= 9 + (((9 + 9) \times ((9 + 9)/9)^9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9227 &:= 11 + ((11 - 1 - 1) \times (1 + 1)^{11-1}) \\
&:= 22/2 + (2 \times 2 \times (22 + 2))^2 \\
&:= (((3 \times (3 + 3)) + 3)^3) - 3/3 - 33 \\
&:= 44/4 + (4^4 \times (4 \times (4 + 4) + 4)) \\
&:= 55/5 + ((5 - 5/5 + 5) \times (5 - 5/5)^5) \\
&:= 66/6 + ((6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6)) \\
&:= 7 + (((7 \times (7 \times 77 + 777)) + 7/7) + 7) \\
&:= 88/8 + (8 \times (8 + 8) \times (8 \times 8 + 8)) \\
&:= 99/9 + ((9 + 9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9228 &:= 1 + (11 + ((11 - 1 - 1) \times (1 + 1)^{11-1})) \\
&:= 2 \times ((2 \times ((2 \times (22 + 2))^2) + 2)) + 2 \\
&:= (((3 \times (3 + 3)) + 3)^3) - 33 \\
&:= 4 + (((4^4 \times (4 \times (4 + 4) + 4)) + 4) + 4) \\
&:= 5^5 + ((55 \times 555/5) - ((5 + 5)/5)) \\
&:= 6 + (((6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6)) + 6) \\
&:= (77 + 7)/7 \times (777 - (7/7 + 7)) \\
&:= ((88 + 8)/8) + (8 \times (8 + 8) \times (8 \times 8 + 8)) \\
&:= (99 + 9)/9 + ((9 + 9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9229 &:= 1 + (1 + (11 + ((11 - 1 - 1) \times (1 + 1)^{11-1}))) \\
&:= 2 + ((2 \times 2 \times (22 + 2))^2 + 22/2) \\
&:= 3/3 + (((3 \times (3 + 3)) + 3)^3) - 33 \\
&:= 4 + ((4/4 + 4 + 4) \times (4 \times 4^4 + 4/4)) \\
&:= 5^5 + ((55 \times 555/5) - 5/5) \\
&:= 6 + (((6 + 6) \times ((6 + 6) \times ((6 + 6)/6)^6)) + 6/6) + 6) \\
&:= 77/7 \times (((77 \times 77 - 7)/7) - 7) \\
&:= 88 + ((88 \times (88 + 8 + 8)) - (88/8)) \\
&:= 99 + (9999/9 + 9 \times 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9230 &:= 1 + (1 + (1 + (11 + ((11 - 1 - 1) \times (1 + 1)^{11-1})))) \\
&:= 2 + (2 \times ((2 \times ((2 \times (22 + 2))^2) + 2)) + 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) - (3/3 + 33) \\
&:= 4 + (((4^4 \times (4 \times (4 + 4) + 4)) + 44 - 4)/4) \\
&:= 5^5 + (55 \times 555/5) \\
&:= (6/6 - 66) \times (((6 + 6)/6) - (6 + 6) \times (6 + 6)) \\
&:= 7 + (((7 \times (7 + 7) - ((7 + 7)/7))^{(7+7)/7}) + 7) \\
&:= 8 + (((8 \times (8 + 8) \times (8 \times 8 + 8)) - ((8 + 8)/8)) + 8) \\
&:= 9 + (((9 + 9) \times ((9 + 9)/9)^9) + ((9 \times 9 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9231 &:= 11 + (((11 - 1 - 1) \times (1 + (1 + 1)^{11})) - 1)/(1 + 1) \\
&:= 2 + (((2 \times 2 \times (22 + 2))^2 + 22/2) + 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) - 33 \\
&:= 4 + ((4^4 \times (4 \times (4 + 4) + 4)) + 44/4) \\
&:= 5^5 + ((55 \times 555/5) + 5/5) \\
&:= (66/6 + 6) \times (666/6 + (6 \times (66 + 6))) \\
&:= 7 \times 7 \times 7 + ((7/7 + 7) \times 7777/7) \\
&:= 8 + (((8 \times (8 + 8) \times (8 \times 8 + 8)) - 8/8) + 8) \\
&:= 9 + ((999/9 \times ((9 + 9)/9) + 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9232 &:= ((11 \times (1 + 11))^{1+1}) - ((1 + 1)^{1+1+11}) \\
&:= 2 \times (2 \times (((2 \times (22 + 2))^2) + 2) + 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) - 33 + 3/3 \\
&:= 4 \times ((4^4 \times (4 + 4) + 4^4) + 4) \\
&:= 5^5 + ((55 \times 555/5) + ((5 + 5)/5)) \\
&:= 6 + (((6 + 6)/6 + 6 + 6) \times (666 - 6/6 - 6)) \\
&:= (7/7 + 7) \times ((77 \times (7 + 7) - 7/7) + 77) \\
&:= 8 + ((8 \times (8 + 8) \times (8 \times 8 + 8)) + 8) \\
&:= (9 \times ((999 + 9 + 9) + 9)) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9233 &:= ((11 - 1 - 1) \times (1 + 1 + (1 + 1)^{11-1})) - 1 \\
&:= 2/2 + ((2 \times 2 \times (22 + 2))^2 + 2^{2+2}) \\
&:= (((3 \times (3 + 3)) + 3)^3) - (3^3 + 3/3) \\
&:= 4 \times 4 + ((4^4 \times (4 \times (4 + 4) + 4)) + 4/4) \\
&:= 5 + (((55 \times 555/5) - ((5 + 5)/5)) + 5^5) \\
&:= (6/6 + 6) \times (((6 + 6) \times (666 - 6)) - 6)/6) \\
&:= ((77 + 7) \times (777 - 7)/7) - 7 \\
&:= 8 + (((8 \times (8 + 8) \times (8 \times 8 + 8)) + 8/8) + 8) \\
&:= (9 \times ((999 + 9 + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9234 &:= (11 - 1 - 1) \times (1 + 1 + (1 + 1)^{11-1}) \\
&:= (22^2 + 2) \times (22 - (2/2 + 2)) \\
&:= 3^3 \times (333 + 3 \times 3) \\
&:= (4/4 + 4 + 4) \times ((4 + 4)/4 + 4 \times 4^4) \\
&:= 5 + (((55 \times 555/5) - 5/5) + 5^5) \\
&:= (66 \times ((6 + 6) \times (6 + 6) + 6)) - 666 \\
&:= 7/7 + (((77 + 7) \times (777 - 7)/7) - 7) \\
&:= (8/8 + 8) \times (8 \times 8 \times (8 + 8) + ((8 + 8)/8)) \\
&:= 9 \times ((999 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9235 &:= 1 + ((11 - 1 - 1) \times (1 + 1 + (1 + 1)^{11-1})) \\
&:= 22 + ((2 \times 2 \times (22 + 2))^2 - (2/2 + 2)) \\
&:= 3/3 + (3^3 \times (333 + 3 \times 3)) \\
&:= 4 + (((4^4 \times (4 \times (4 + 4) + 4)) + 44/4) + 4) \\
&:= 5 + ((55 \times 555/5) + 5^5) \\
&:= 6/6 + ((66 \times ((6 + 6) \times (6 + 6) + 6)) - 666) \\
&:= 7 + ((77 + 7)/7 \times (777 - (7/7 + 7))) \\
&:= 8 + ((8 \times (8 + 8) \times (8 \times 8 + 8)) + (88/8)) \\
&:= 9/9 + (9 \times ((999 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9236 &:= 11 + ((11 - 1 - 1) \times (1 + (1 + 1)^{11-1})) \\
&:= 22 + ((2 \times 2 \times (22 + 2))^2 - 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) - (3^3 + 3/3) \\
&:= 4 + ((4^4 \times (4 \times (4 + 4) + 4)) + 4 \times 4) \\
&:= 5 + (((55 \times 555/5) + 5^5) + 5/5) \\
&:= 6 + ((6/6 - 66) \times (((6 + 6)/6) - (6 + 6) \times (6 + 6))) \\
&:= 7 + (77/7 \times (((77 \times 77 - 7)/7) - 7)) \\
&:= 8 + ((8 \times (8 + 8) \times (8 \times 8 + 8)) + ((88 + 8)/8)) \\
&:= 9 + (((9 + 9) \times ((9 + 9)/9)^9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9237 &:= 1 + (11 + ((11 - 1 - 1) \times (1 + (1 + 1)^{11-1}))) \\
&:= 22 + ((2 \times 2 \times (22 + 2))^2 - 2/2) \\
&:= 3 + (3^3 \times (333 + 3 \times 3)) \\
&:= 4 + (((4^4 \times (4 \times (4 + 4) + 4)) + 4 \times 4) + 4/4) \\
&:= 5 + (((55 \times 555/5) + ((5 + 5)/5)) + 5^5) \\
&:= ((666/6 + 6) \times (66 + 6/6 + 6 + 6)) - 6 \\
&:= 7 + (((7 \times (7 + 7) - ((7 + 7)/7))^{(7+7)/7}) + 7) + 7) \\
&:= 8 + (((88 \times (88 + 8 + 8)) - (88/8)) + 88) \\
&:= 9 + (((9 + 9) \times ((9 + 9)/9)^9) + (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9238 &:= 11 + (11 + ((11 - 1 - 1) \times (1 + 1)^{11-1})) \\
&:= 22 + (2 \times 2 \times (22 + 2))^2 \\
&:= 3 + ((3^3 \times (333 + 3 \times 3)) + 3/3) \\
&:= 4 + ((4/4 + 4 + 4) \times ((4 + 4)/4 + 4 \times 4^4)) \\
&:= 5 \times 5 + ((5 - (5 + 5)/5) \times ((5^5 - 55) + 5/5)) \\
&:= ((6 + 6)/6) \times ((66 \times ((6 + 6)/6)^6 + 6) - 6/6) \\
&:= ((77 + 7) \times (777 - 7)/7) - (7 + 7)/7 \\
&:= 88 + ((88 \times (88 + 8 + 8)) - ((8 + 8)/8)) \\
&:= ((9 + 9)/9) \times (9 \times ((9 + 9)/9)^9 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9239 &:= ((11 + (11 - 1))^{1+1+1}) - 11 - 11 \\
&:= ((22 - 2/2)^{2/2+2}) - 22 \\
&:= 33/3 + (((3 \times (3 + 3)) + 3)^3) - 33 \\
&:= ((4 + 4) \times (4444/4 + 44)) - 4/4 \\
&:= 5^5 + ((5/5 + 5) \times ((5 - 5/5)^5 - 5)) \\
&:= ((666 - 6) \times ((6 + 6)/6 + 6 + 6)) - 6/6 \\
&:= ((77 + 7) \times (777 - 7)/7) - 7/7 \\
&:= 88 + ((88 \times (88 + 8 + 8)) - 8/8) \\
&:= 9 \times 9 \times 99 + (((99 \times 999/9) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9240 &:= 11 \times (111 + (11 - 1 - 1)^{1+1+1}) \\
&:= (2 - 22) \times (22 - 22^2) \\
&:= (3^3 + 3/3) \times (333 - 3) \\
&:= (4 + 4) \times (4444/4 + 44) \\
&:= (5 + 5 + 5) \times ((5^5 + 5)/5 - (5 + 5)) \\
&:= (666 - 6) \times ((6 + 6)/6 + 6 + 6) \\
&:= (77 + 7) \times (777 - 7)/7 \\
&:= 88 + (88 \times (88 + 8 + 8)) \\
&:= 99/9 \times (999/9 + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9241 &:= 1 + (11 \times (111 + (11 - 1 - 1)^{1+1+1})) \\
&:= 2 + (((22 - 2/2)^{2/2+2}) - 22) \\
&:= 3/3 + ((3^3 + 3/3) \times (333 - 3)) \\
&:= 4 \times 4 + ((4/4 + 4 + 4) \times (4 \times 4^4 + 4/4)) \\
&:= 5 \times 5 + ((5 - 5/5 + 5) \times (5 - 5/5)^5) \\
&:= 6/6 + ((666 - 6) \times ((6 + 6)/6 + 6 + 6)) \\
&:= 7/7 + ((77 + 7) \times (777 - 7)/7) \\
&:= 8/8 + ((88 \times (88 + 8 + 8)) + 88) \\
&:= 9 + ((9 \times ((999 + 9 + 9) + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9242 &:= ((11 - 1 - 1) \times (1 + 1 + 1 + (1 + 1)^{11-1})) - 1 \\
&:= 2 + ((2 - 22) \times (22 - 22^2)) \\
&:= (((3 \times (3 + 3)) + 3)^3) - ((3 \times (3 + 3)) + 3/3) \\
&:= 4 + (((4/4 + 4 + 4) \times ((4 + 4)/4 + 4 \times 4^4)) + 4) \\
&:= 5 \times 5 + (((5 - 5/5 + 5) \times (5 - 5/5)^5) + 5/5) \\
&:= (6 + 6)/6 + ((666 - 6) \times ((6 + 6)/6 + 6 + 6)) \\
&:= (7 + 7)/7 + ((77 + 7) \times (777 - 7)/7) \\
&:= 8 + ((8/8 + 8) \times (8 \times 8 \times (8 + 8) + ((8 + 8)/8))) \\
&:= 9 + ((9 \times ((999 + 9 + 9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9243 &:= (11 - 1 - 1) \times (1 + 1 + 1 + (1 + 1)^{11-1}) \\
&:= 2 + (((22 - 2/2)^{2/2+2}) - 22) + 2 \\
&:= (((3 \times (3 + 3)) + 3)^3) - (3 \times (3 + 3)) \\
&:= (4/4 + 4 + 4) \times ((4 \times 4^4 - 4/4) + 4) \\
&:= (5 - (5 + 5)/5) \times ((55/5 - 55) + 5^5) \\
&:= (666/6 + 6) \times (66 + 6/6 + 6 + 6) \\
&:= ((7 + 7 + 7)/7)^7 + ((77 + 7)^{(7+7)/7}) \\
&:= 8 + (((8 \times (8 + 8)) \times (8 \times 8 + 8)) + (88/8)) + 8 \\
&:= 9 + (9 \times ((999 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9244 &:= 1 + ((11 - 1 - 1) \times (1 + 1 + 1 + (1 + 1)^{11-1})) \\
&:= 2 \times (((2^{2+2+2} + 2) + 2)^2) - 2 \\
&:= 3/3 + (((3 \times (3 + 3)) + 3)^3) - (3 \times (3 + 3)) \\
&:= 4 + ((4 + 4) \times (4444/4 + 44)) \\
&:= 5 + (((5/5 + 5) \times ((5 - 5/5)^5 - 5)) + 5^5) \\
&:= (((6 + 6)/6)^{6+6}) + 66 \times (66 + 6 + 6) \\
&:= (77/7 \times (((77 \times 77 + 7)/7) - 7)) - 7 \\
&:= 8888 + ((8 \times 88 + 8)/(8 + 8)/8) \\
&:= 9 + (9 \times ((999 + 9 + 9) + 9)) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9245 &:= 11 + ((11 - 1 - 1) \times (1 + 1 + (1 + 1)^{11-1})) \\
&:= (2/2 + 2 + 2) \times (((2 \times 22) - 2/2)^2) \\
&:= 33/3 + (3^3 \times (333 + 3 \times 3)) \\
&:= (4/4 + 4) \times ((44 - 4/4)^{(4+4)/4}) \\
&:= ((5 + 5 + 5) \times (5^5/5 - 5)) - 55 \\
&:= (6 \times 6 + 6/6 + 6) \times (6 \times 6 \times 6 - 6/6) \\
&:= 7 \times 7 + ((7/7 - 77) \times (7 - ((7 + 7)/7)^7)) \\
&:= (88/8 \times (888 - 8/8)) - 8 \times 8 \times 8 \\
&:= 99/9 + (9 \times ((999 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9246 &:= (1 + 1) \times (((1 + 1) \times (1 + 11 \times (1 + 1 + 1)))^{1+1}) - 1 \\
&:= (22 + 2/2) \times ((22 - 2)^2 + 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) - (3 \times (3 + 3)) \\
&:= 4/4 + ((4/4 + 4) \times ((44 - 4/4)^{(4+4)/4})) \\
&:= 5 + (((5 - 5/5 + 5) \times (5 - 5/5)^5) + 5 \times 5) \\
&:= (6 \times 66 + 6) \times ((66/6 + 6) + 6) \\
&:= 7 + (((77 + 7) \times (777 - 7)/7) - 7/7) \\
&:= 8 + (((88 \times (88 + 8 + 8)) - ((8 + 8)/8)) + 88) \\
&:= 99 \times 99 + ((9 - 9999)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9247 &:= ((11 + (11 - 1))^{1+1+1}) - 1 - 1 - 1 - 11 \\
&:= (2 \times (((2^{2+2+2} + 2) + 2)^2)) - 2/2 \\
&:= (((3 \times (3 + 3)) + 3)^3) - (33/3 + 3) \\
&:= 4^4 + ((4 - 4/4)^4 \times 444/4) \\
&:= ((5 - (5 + 5)/5) \times (5^5 - 5/5)) - 5 \times 5 \times 5 \\
&:= 6/6 + ((6 \times 66 + 6) \times ((66/6 + 6) + 6)) \\
&:= 7 + ((77 + 7) \times (777 - 7)/7) \\
&:= 8 + (((88 \times (88 + 8 + 8)) - 8/8) + 88) \\
&:= 9 \times 999 + (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9248 &:= (1 + 1) \times (((1 + 1) \times (1 + 11 \times (1 + 1 + 1)))^{1+1}) \\
&:= 2 \times (((2^{2+2+2} + 2) + 2)^2) \\
&:= ((3 - 33)/3) + (((3 \times (3 + 3)) + 3)^3) - 3 \\
&:= 4 \times (((4^4 \times (4 + 4) + 4^4) + 4) + 4) \\
&:= ((5 + 5)/5)^5 \times (5 \times (55 + 5) - (55/5)) \\
&:= ((6 + 6)/6) \times (((6 + 6)/6 + 66)^{(6+6)/6}) \\
&:= 7 + (((77 + 7) \times (777 - 7)/7) + 7/7) \\
&:= 8 + ((88 \times (88 + 8 + 8)) + 88) \\
&:= ((9 - 9/9) + 9) \times (99 \times 99 - 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9249 &:= ((11 + (11 - 1))^{1+1+1}) - 1 - 11 \\
&:= 2/2 + (2 \times (((2^{2+2+2} + 2) + 2)^2)) \\
&:= (((3 \times (3 + 3)) + 3)^3) - (3 \times 3 + 3) \\
&:= 4 + ((4/4 + 4) \times ((44 - 4/4)^{(4+4)/4})) \\
&:= (5 \times (5 \times ((5 \times (5 \times (5 + 5 + 5))) - 5))) - 5/5 \\
&:= 6 + ((666/6 + 6) \times (66 + 6/6 + 6 + 6)) \\
&:= (7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - (77 + 7)/7 \\
&:= 8 + (((88 \times (88 + 8 + 8)) + 88) + 8/8) \\
&:= 9 + ((99/9) \times (999/9 + 9 \times 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9250 &:= ((11 + (11 - 1))^{1+1+1}) - 11 \\
&:= 2 + (2 \times (((2^{2+2+2} + 2) + 2)^2)) \\
&:= (((3 \times (3 + 3)) + 3)^3) - 33/3 \\
&:= ((4/4 + 4 + 4) \times (4 \times 4^4 + 4)) - (4 + 4)/4 \\
&:= 5 \times (5 \times ((5 \times (5 \times (5 + 5 + 5))) - 5)) \\
&:= (6 \times 6 + 6/6) \times (6 \times (6 \times 6 + 6) - ((6 + 6)/6)) \\
&:= (7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - 77/7 \\
&:= 8 + (((8/8 + 8) \times (8 \times 8 \times (8 + 8) + ((8 + 8)/8))) + 8) \\
&:= 99 + ((9 \times (999 + 9 + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9251 &:= 1 + (((11 + (11 - 1))^{1+1+1}) - 11) \\
&:= 2 + ((2 \times (((2^{2+2+2} + 2) + 2)^2)) + 2/2) \\
&:= ((3 - 33)/3) + (((3 \times (3 + 3)) + 3)^3) \\
&:= ((4/4 + 4 + 4) \times (4 \times 4^4 + 4)) - 4/4 \\
&:= 5/5 + (5 \times (5 \times ((5 \times (5 \times (5 + 5 + 5))) - 5))) \\
&:= 6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) - 6) - 6/6 \\
&:= 77/7 \times (((77 \times 77 + 7)/7) - 7) \\
&:= 88 + ((88 \times (88 + 8 + 8)) + (88/8)) \\
&:= 99 + ((9 \times (999 + 9 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9252 &:= 1 + (1 + (((11 + (11 - 1))^{1+1+1}) - 11)) \\
&:= 2 \times (((2^{2+2+2} + 2) + 2)^2) + 2 \\
&:= (((3 \times (3 + 3)) + 3)^3) - 3 \times 3 \\
&:= (4/4 + 4 + 4) \times (4 \times 4^4 + 4) \\
&:= 5^5 + (55/5 \times (555 + (5 + 5)/5)) \\
&:= 6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) - 6) \\
&:= (77 + 7)/7 \times ((777 - 7) + 7/7) \\
&:= (8/8 + 8) \times (8 \times 8 \times (8 + 8) + 8 \times 8/(8 + 8)) \\
&:= 99 + (9 \times (999 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9253 &:= 1 + (1 + (1 + ((11 + (11 - 1))^{1+1+1}) - 11))) \\
&:= ((22 - 2/2)^{2/2+2}) - 2 \times (2 + 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) - 33/3 \\
&:= 4/4 + ((4/4 + 4 + 4) \times (4 \times 4^4 + 4)) \\
&:= ((5 - (5 + 5)/5) \times (5^5 + 5/5)) - 5 \times 5 \times 5 \\
&:= 6/6 + 6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) - 6) \\
&:= (7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - (7/7 + 7) \\
&:= (((88 + 8 + 8)/8 + 8)^{88/8-8}) - 8 \\
&:= 9/9 + ((9 \times (999 + 9 + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9254 &:= 1 + (1 + (1 + (1 + ((11 + (11 - 1))^{1+1+1}) - 11)))) \\
&:= 2 + (2 \times (((2^{2+2+2} + 2) + 2)^2) + 2) \\
&:= (((3 \times (3 + 3)) + 3)^3) - (3/3 + 3 + 3) \\
&:= (4 + 4)/4 + ((4/4 + 4 + 4) \times (4 \times 4^4 + 4)) \\
&:= 5 + ((5 \times (5 \times ((5 \times (5 \times (5 + 5 + 5))) - 5))) - 5/5) \\
&:= (6 + 6)/6 + 6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) - 6) \\
&:= (7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - 7 \\
&:= ((8/8 + 88) \times (88 + 8 + 8)) - (8 + 8)/8 \\
&:= 9 + ((9 \times (999 + 9 + 9) + 9)) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9255 &:= ((11 + (11 - 1))^{1+1+1}) - ((1 + 1) \times (1 + 1 + 1)) \\
&:= ((22 - 2/2)^{2/2+2}) - 2 - 2 - 2 \\
&:= (((3 \times (3 + 3)) + 3)^3) - 3 - 3 \\
&:= (44/4 + 4) \times ((4/4 + 4)^4 - (4 + 4)) \\
&:= 5 + (5 \times (5 \times ((5 \times (5 \times (5 + 5 + 5))) - 5))) \\
&:= (((6 \times 6 + 6)/(6 + 6)/6)^{6 \times 6/(6+6)}) - 6 \\
&:= 7/7 + ((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - 7) \\
&:= ((8/8 + 88) \times (88 + 8 + 8)) - 8/8 \\
&:= 999/9 + ((9 \times (999 + 9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9256 &:= ((11 + (11 - 1))^{1+1+1}) - 1 - 1 - 1 - 1 - 1 \\
&:= 2 \times (((2^{2+2+2} + 2) + 2)^2) + 2 \\
&:= 3/3 + (((3 \times (3 + 3)) + 3)^3) - (3 + 3) \\
&:= 4 + ((4/4 + 4 + 4) \times (4 \times 4^4 + 4)) \\
&:= ((5 - 5/5 + 5) \times ((5 - 5/5)^5 + 5)) - 5 \\
&:= 6 + ((6 \times 6 + 6/6) \times (6 \times (6 \times 6 + 6) - ((6 + 6)/6))) \\
&:= (7 + 7)/7 + ((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - 7) \\
&:= (8/8 + 88) \times (88 + 8 + 8) \\
&:= 9 + (((9 + 9)/9)^{9-9/9}) + 9 \times 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9257 &:= ((11 + (11 - 1))^{1+1+1}) - 1 - 1 - 1 - 1 \\
&:= ((22 - 2/2)^{2/2+2}) - 2 - 2 \\
&:= (((3 \times (3 + 3)) + 3)^3) - (3/3 + 3) \\
&:= (((4 \times 4 + 4/4) + 4)^{4-4/4}) - 4 \\
&:= 5 + ((55/5 \times (555 + (5 + 5)/5)) + 5^5) \\
&:= 6 + (6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) - 6) - 6/6) \\
&:= 7 + ((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - (77/7)) \\
&:= 8/8 + ((8/8 + 88) \times (88 + 8 + 8)) \\
&:= 99 \times 99 + ((9 - 99 \times 99)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9258 &:= ((11 + (11 - 1))^{1+1+1}) - 1 - 1 - 1 \\
&:= 2 \times 22 + ((2 \times 2 \times (22 + 2))^2 - 2) \\
&:= (((3 \times (3 + 3)) + 3)^3) - 3 \\
&:= 44 + ((4^4 \times (4 \times (4 + 4) + 4)) - (4 + 4)/4) \\
&:= 5 + (((5 - (5 + 5)/5) \times (5^5 + 5/5)) - 5 \times 5 \times 5) \\
&:= 6 + 6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) - 6) \\
&:= 7 + (77/7 \times (((77 \times 77 + 7)/7) - 7)) \\
&:= (8 + 8)/8 + ((8/8 + 88) \times (88 + 8 + 8)) \\
&:= 9999 - ((99 + 9)/9 + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9259 &:= ((11 + (11 - 1))^{1+1+1}) - 1 - 1 \\
&:= ((22 - 2/2)^{2/2+2}) - 2 \\
&:= 3/3 + (((3 \times (3 + 3)) + 3)^3) - 3 \\
&:= 44 + ((4^4 \times (4 \times (4 + 4) + 4)) - 4/4) \\
&:= 5^5 + ((5^5 - (555/5 + 5)) + 5^5) \\
&:= 6 + (6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) - 6) + 6/6) \\
&:= (7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - (7 + 7)/7 \\
&:= 8 + (((88 \times (88 + 8 + 8)) + (88/8)) + 88) \\
&:= 9999 - (9 \times 9 \times 9 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9260 &:= ((11 + (11 - 1))^{1+1+1}) - 1 \\
&:= 2 \times ((2 \times ((2 \times (22 + 2))^2)) + 22) \\
&:= (((3 \times (3 + 3)) + 3)^3) - 3/3 \\
&:= 44 + (4^4 \times (4 \times (4 + 4) + 4)) \\
&:= 5 + ((5 \times (5 \times ((5 \times (5 \times (5 + 5 + 5))) - 5))) + 5) \\
&:= (6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) - ((6 + 6)/6)^6 \\
&:= (7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - 7/7 \\
&:= (88/((8 + 8)/8)) + (8 \times (8 + 8) \times (8 \times 8 + 8)) \\
&:= (((9 + 9)/9)^9) + 9 \times 9 \times (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9261 &:= (11 + (11 - 1))^{1+1+1} \\
&:= (22 - 2/2)^{2/2+2} \\
&:= ((3 \times (3 + 3)) + 3)^3 \\
&:= ((4 \times 4 + 4/4) + 4)^{4-4/4} \\
&:= (5 - 5/5 + 5) \times ((5 - 5/5)^5 + 5) \\
&:= ((6 \times 6 + 6)/((6 + 6)/6))^{6 \times 6/(6+6)} \\
&:= 7 \times (7 \times ((7 + 7) \times (7 + 7) - 7)) \\
&:= ((88 + 8 + 8)/8 + 8)^{88/8-8} \\
&:= 9999 - (9 \times 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9262 &:= 1 + ((11 + (11 - 1))^{1+1+1}) \\
&:= 2/2 + ((22 - 2/2)^{2/2+2}) \\
&:= 3/3 + (((3 \times (3 + 3)) + 3)^3) \\
&:= 4/4 + (((4 \times 4 + 4/4) + 4)^{4-4/4}) \\
&:= 5/5 + ((5 - 5/5 + 5) \times ((5 - 5/5)^5 + 5)) \\
&:= 6/6 + (((6 \times 6 + 6)/((6 + 6)/6))^{6 \times 6/(6+6)}) \\
&:= 7/7 + (7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) \\
&:= (888 - 8)/8 + (88 \times (88 + 8 + 8)) \\
&:= 9/9 + (9999 - (9 \times 9 \times 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9263 &:= 1 + (1 + ((11 + (11 - 1))^{1+1+1})) \\
&:= 2 + ((22 - 2/2)^{2/2+2}) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) - 3/3 \\
&:= (44 \times (4^4 - 44)) - (4^4 + 4)/4 \\
&:= 5^5 + ((5^5 - (555 + 5)/5) + 5^5) \\
&:= 66/6 + 6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) - 6) \\
&:= (7 + 7)/7 + (7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) \\
&:= 888/8 + (88 \times (88 + 8 + 8)) \\
&:= 99 + ((9 \times (999 + 9 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9264 &:= 1 + (1 + (1 + ((11 + (11 - 1))^{1+1+1}))) \\
&:= 2 + (((22 - 2/2)^{2/2+2}) + 2/2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) \\
&:= 4 + ((4^4 \times (4 \times (4 + 4) + 4)) + 44) \\
&:= 5^5 + ((5^5 - 555/5) + 5^5) \\
&:= 6 + (6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) - 6) + 6) \\
&:= (7 + 7 + 7)/7 + (7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) \\
&:= 8 + ((8/8 + 88) \times (88 + 8 + 8)) \\
&:= 999/9 + (9 \times (999 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9265 &:= 1 + (1 + (1 + (1 + ((11 + (11 - 1))^{1+1+1})))) \\
&:= 2 + (((22 - 2/2)^{2/2+2}) + 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) + 3/3 \\
&:= 4 + (((4 \times 4 + 4/4) + 4)^{4-4/4}) \\
&:= 5^5 + ((5 + 5) \times ((5^5 - 55)/5)) \\
&:= 6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) - 6) + 6/6) + 6) \\
&:= 7 \times 7 + ((7 \times (7 + 7) - ((7 + 7)/7))^{(7+7)/7}) \\
&:= 8 + (((8/8 + 88) \times (88 + 8 + 8)) + 8/8) \\
&:= 9 \times 9 + ((9/9 + 9 \times 9) \times ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9266 &:= (1 + 1 + 111) \times (1 + (11 - 1 - 1)^{1+1}) \\
&:= 2 + (((22 - 2/2)^{2/2+2}) + 2/2) + 2 \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) - 3/3 + 3 \\
&:= 4 + (((4 \times 4 + 4/4) + 4)^{4-4/4}) + 4/4 \\
&:= 5 + ((5 - 5/5 + 5) \times ((5 - 5/5)^5 + 5)) \\
&:= 6 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) - ((6 + 6)/6)^6) \\
&:= 7 + ((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - ((7 + 7)/7)) \\
&:= 8 + (((8/8 + 88) \times (88 + 8 + 8)) + ((8 + 8)/8)) \\
&:= (9/9 + 9 \times 9) \times ((999 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9267 &:= 1 + ((1 + 1 + 111) \times (1 + (11 - 1 - 1)^{1+1})) \\
&:= 2 + (((22 - 2/2)^{2/2+2}) + 2) + 2 \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) + 3 \\
&:= 4 + ((44 \times (4^4 - 44)) - (4^4 + 4)/4) \\
&:= 5^5 + ((5 + 5)/5 \times ((5^5 - 55) + 5/5)) \\
&:= 6 + (((6 \times 6 + 6)/((6 + 6)/6))^{6 \times 6/(6+6)}) \\
&:= 7 + ((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - 7/7) \\
&:= 88/8 + ((8/8 + 88) \times (88 + 8 + 8)) \\
&:= 9999 - (((9 + 9 + 9)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9268 &:= 1 + (1 + ((1 + 1 + 111) \times (1 + (11 - 1 - 1)^{1+1}))) \\
&:= 2 \times ((2 \times (((2 \times (22 + 2))^2) + 2)) + 22) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) + 3/3 + 3 \\
&:= 4 + (((4^4 \times (4 \times (4 + 4) + 4)) + 44) + 4) \\
&:= 5^5 + (((5/5 + 5) \times (5 - 5/5)^5) - 5/5) \\
&:= (6/6 + 6) \times ((6 \times (6 \times 6 \times 6 - 6)) + ((6 + 6)/6)^6) \\
&:= 7 + (7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) \\
&:= (8 \times ((8 + 8) \times (8 \times 8 + 8) + 8)) - (88 + 8)/8 \\
&:= 9999 - (9 \times 9 \times 9 + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9269 &:= 11 + (((11 + (11 - 1))^{1+1+1}) - (1 + 1 + 1)) \\
&:= 2 \times (2 + 2) + ((22 - 2/2)^{2/2+2}) \\
&:= 3 \times 3 + (((3 \times (3 + 3)) + 3)^3) - 3/3 \\
&:= 4 + (((4 \times 4 + 4/4) + 4)^{4-4/4}) + 4 \\
&:= 5^5 + ((5/5 + 5) \times (5 - 5/5)^5) \\
&:= ((66/6 + 6) + 6) \times ((6 \times 66 + 6/6) + 6) \\
&:= 7 + ((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) + 7/7) \\
&:= (8 \times ((8 + 8) \times (8 \times 8 + 8) + 8)) - 88/8 \\
&:= 9999 - (9 \times 9 \times 9 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9270 &:= 11 + (((11 + (11 - 1))^{1+1+1}) - (1 + 1)) \\
&:= 22 + (2 \times (((2^{2+2+2} + 2) + 2)^2)) \\
&:= 3 \times 3 + (((3 \times (3 + 3)) + 3)^3) \\
&:= (4/4 + 4 + 4) \times (((4 + 4)/4 + 4 \times 4^4) + 4) \\
&:= 5^5 + ((55 \times 55 - 5) + 5^5) \\
&:= 6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - 6 - 6 - 6 \\
&:= 7 + ((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) + ((7 + 7)/7)) \\
&:= ((8 + 8)/8 + 88) \times (888/8 - 8) \\
&:= 9999 - 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9271 &:= 11 + (((11 + (11 - 1))^{1+1+1}) - 1) \\
&:= 2 + (((22 - 2/2)^{2/2+2}) + 2 \times (2 + 2)) \\
&:= 3 \times 3 + (((3 \times (3 + 3)) + 3)^3) + 3/3 \\
&:= 44 + ((4^4 \times (4 \times (4 + 4) + 4)) + 44/4) \\
&:= 55 + ((5 - 5/5 + 5) \times (5 - 5/5)^5) \\
&:= 6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - (66/6 + 6) \\
&:= ((77 - 7)/7) + (7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) \\
&:= ((8/8 + 8 \times 8) + 8) \times (8 \times (8 + 8) - 8/8) \\
&:= 9/9 + (9999 - 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9272 &:= 11 + ((11 + (11 - 1))^{1+1+1}) \\
&:= 22/2 + ((22 - 2/2)^{2/2+2}) \\
&:= 33/3 + (((3 \times (3 + 3)) + 3)^3) \\
&:= (4 + 4) \times ((4444/4 + 44) + 4) \\
&:= 5 + (((5 + 5)/5 \times ((5^5 - 55) + 5/5)) + 5^5) \\
&:= (6 - 66)/6 + (6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - 6) \\
&:= 77/7 + (7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) \\
&:= (8 \times ((8 + 8) \times (8 \times 8 + 8) + 8)) - 8 \\
&:= (9 + 9)/9 + (9999 - 9 \times 9 \times 9)
\end{aligned}$$

- 9273 := $1 + (11 + ((11 + (11 - 1))^{1+1+1}))$
:= $(2 \times (2 + 2 + 2)) + ((22 - 2/2)^{2/2+2})$
:= $3 + (((3 \times (3 + 3)) + 3)^3) + 3 \times 3$
:= $4 + (((4 \times 4 + 4/4) + 4)^{4-4/4}) + 4 + 4$
:= $5^5 + ((55 \times 55 - ((5 + 5)/5)) + 5^5)$
:= $6 + (((6 \times 6 + 6)/(6 + 6/6))^{6 \times 6/(6+6)} + 6)$
:= $77 + ((7/7 - 77) \times (7 - ((7 + 7)/7)^7))$
:= $8/8 + ((8 \times ((8 + 8) \times (8 \times 8 + 8) + 8)) - 8)$
:= $9 + ((9 \times (999 + 9 + 9)) + 999/9)$
- 9274 := $1 + (1 + (11 + ((11 + (11 - 1))^{1+1+1})))$
:= $2 + (((22 - 2/2)^{2/2+2}) + 22/2)$
:= $3 + (((3 \times (3 + 3)) + 3)^3) + 3/3 + 3 \times 3$
:= $4 + ((4/4 + 4 + 4) \times (((4 + 4)/4 + 4 \times 4^4) + 4))$
:= $5 + (((5/5 + 5) \times (5 - 5/5)^5) + 5^5)$
:= $((6 + 6/6)^6 \times ((6 + 6) \times (6 + 6) + 6/6)) - 6$
:= $7 + (((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) - 7/7) + 7)$
:= $(8 + 8)/8 + ((8 \times ((8 + 8) \times (8 \times 8 + 8) + 8)) - 8)$
:= $9 + (((9/9 + 9 \times 9) \times ((999 + 9)/9)) + 9 \times 9)$
- 9275 := $1 + (1 + (1 + (11 + ((11 + (11 - 1))^{1+1+1}))))$
:= $2^{2+2} + (((22 - 2/2)^{2/2+2}) - 2)$
:= $3 + (((3 \times (3 + 3)) + 3)^3) + 33/3$
:= $(4^4 - 44)/4 \times (4 \times 44 - 4/4)$
:= $5^5 + (55 \times 55 + 5^5)$
:= $(6/6 + 6) \times ((6 \times (6 \times 6 \times 6 + 6)) - (6/6 + 6))$
:= $7 + ((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) + 7)$
:= $(8 \times 8 - 88/8) \times (888/8 + 8 \times 8)$
:= $9 + ((9/9 + 9 \times 9) \times ((999 + 9 + 9)/9))$
- 9276 := $1 + (1 + (1 + (1 + (11 + ((11 + (11 - 1))^{1+1+1}))))$
:= $2 \times ((2 \times (((2 \times (22 + 2))^2) + 2) + 2)) + 22$
:= $3 + (((3 \times (3 + 3)) + 3)^3) + 3 \times 3 + 3$
:= $(4 \times (4 \times (4 \times 4^4 - 444))) - 4$
:= $(5/5 + 5)^5 + (5 \times 5 \times (55 + 5))$
:= $6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - 6 - 6$
:= $7 + (((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) + 7/7) + 7)$
:= $(8 \times ((8 + 8) \times (8 \times 8 + 8) + 8)) - 8 \times 8/(8 + 8)$
:= $9 + (9999 - (((9 + 9 + 9)/9) + 9 \times 9 \times 9))$
- 9277 := $11 + ((1 + 1 + 111) \times (1 + (11 - 1 - 1)^{1+1}))$
:= $2^{2+2} + ((22 - 2/2)^{2/2+2})$
:= $3^3 + (((3 \times (3 + 3)) + 3)^3) - 33/3$
:= $4 \times 4 + (((4 \times 4 + 4/4) + 4)^{4-4/4})$
:= $5^5 + ((55 \times 55 + ((5 + 5)/5)) + 5^5)$
:= $6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - 66/6$
:= $7 + (((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) + ((7 + 7)/7)) + 7)$
:= $8 + ((8 \times ((8 + 8) \times (8 \times 8 + 8) + 8)) - (88/8))$
:= $9 + (9999 - (9 \times 9 \times 9 + (9 + 9)/9))$
- 9278 := $1 + (11 + ((1 + 1 + 111) \times (1 + (11 - 1 - 1)^{1+1})))$
:= $2222 + ((2 \times ((2 \times 22) - 2))^2)$
:= $3 + (((3 \times (3 + 3)) + 3)^3) + 33/3 + 3$
:= $(4^4 - 4 - 4)/4 + (4^4 \times (4 \times (4 + 4) + 4))$
:= $5 + (((55 \times 55 - ((5 + 5)/5)) + 5^5) + 5^5)$
:= $(6 - 66)/6 + 6 \times 6 \times (6 \times (6 \times 6 + 6) + 6)$
:= $7 + ((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) + ((77 - 7)/7))$
:= $(8 \times ((8 + 8) \times (8 \times 8 + 8) + 8)) - (8 + 8)/8$
:= $9 + (9999 - (9 \times 9 \times 9 + 9/9))$
- 9279 := $1111 + ((1 + 1) \times (((1 + 1)^{1+1+1}) - (1 + 1)))$
:= $2 + (((22 - 2/2)^{2/2+2}) + 2^{2+2})$
:= $(3 \times (3 + 3)) + (((3 \times (3 + 3)) + 3)^3)$
:= $((4^4 - 4)/4) + (4^4 \times (4 \times (4 + 4) + 4))$
:= $(5 - (5 + 5)/5) \times (5^5 - ((5 + 5)/5)^5)$
:= $66 + (666/6 \times (66/6 + 66 + 6))$
:= $7 + ((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) + (77/7))$
:= $(8 \times ((8 + 8) \times (8 \times 8 + 8) + 8)) - 8/8$
:= $9 + (9999 - 9 \times 9 \times 9)$
- 9280 := $(1 + (1 + 11)^{1+1}) \times ((1 + 1)^{(1+1) \times (1+1+1)})$
:= $(2 - 22) \times (22 - (22^2 + 2))$
:= $3/3 + (((3 \times (3 + 3)) + 3)^3) + (3 \times (3 + 3))$
:= $4 \times (4 \times (4 \times 4^4 - 444))$
:= $5 + ((55 \times 55 + 5^5) + 5^5)$
:= $((6 + 6/6)^6 \times ((6 + 6) \times (6 + 6) + 6/6))$
:= $(7/7 + 7) \times (7777/7 + 7 \times 7)$
:= $8 \times ((8 + 8) \times (8 \times 8 + 8) + 8)$
:= $99 \times 99 - (((9 + 9)/9)^9 + 9)$
- 9281 := $1111 + ((1 + 1) \times (((1 + 1)^{1+1+1}) - 11))$
:= $22 + (((22 - 2/2)^{2/2+2}) - 2)$
:= $3 \times 3 + (((3 \times (3 + 3)) + 3)^3) + 33/3$
:= $4/4 + (4 \times (4 \times (4 \times 4^4 - 444)))$
:= $5 + ((5 \times 5 \times (55 + 5)) + (5/5 + 5)^5)$
:= $6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - 6/6 - 6$
:= $77 + ((7/7 + 77) \times (777/7 + 7))$
:= $8/8 + (8 \times ((8 + 8) \times (8 \times 8 + 8) + 8))$
:= $99/9 + (9999 - 9 \times 9 \times 9)$
- 9282 := $11 + (11 + (((11 + (11 - 1))^{1+1+1}) - 1))$
:= $((2 \times 22) - 2) \times (222 - 2/2)$
:= $3 + (((3 \times (3 + 3)) + 3)^3) + (3 \times (3 + 3))$
:= $(4 + 4)/4 + (4 \times (4 \times (4 \times 4^4 - 444)))$
:= $(5 + 5)/5 \times ((5/5 + 5)^5 - (5^5 + 5 + 5))$
:= $6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - 6$
:= $(7 \times 77 + 7) \times ((77 - 7)/7 + 7)$
:= $(8 + 8)/8 + (8 \times ((8 + 8) \times (8 \times 8 + 8) + 8))$
:= $((9/9 + 9 \times 9) + 9) \times (999/9 - 9)$
- 9283 := $11 + (11 + ((11 + (11 - 1))^{1+1+1}))$
:= $22 + ((22 - 2/2)^{2/2+2})$
:= $33 + (((3 \times (3 + 3)) + 3)^3) - 33/3$
:= $(44 \times (4^4 - 44)) - (44 + 4/4)$
:= $((5 + 5 + 5) \times ((5^5 - 5)/5 - 5)) - (5 + 5)/5$
:= $6/6 + (6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - 6)$
:= $7/7 + ((7 \times 77 + 7) \times ((77 - 7)/7 + 7))$
:= $88/8 + ((8 \times ((8 + 8) \times (8 \times 8 + 8) + 8)) - 8)$
:= $99 + ((9/9 + 9 \times 9) \times ((999 + 9)/9))$
- 9284 := $1 + (11 + (11 + ((11 + (11 - 1))^{1+1+1})))$
:= $22 \times ((22 - 2)^2 + 22)$
:= $3^3 + (((3 \times (3 + 3)) + 3)^3) - (3/3 + 3)$
:= $44 \times (4^4 - (44 + 4/4))$
:= $((5 + 5 + 5) \times ((5^5 - 5)/5 - 5)) - 5/5$
:= $(6 + 6)/6 + (6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - 6)$
:= $77/7 \times ((77 \times 77 - (7 + 7 + 7))/7)$
:= $88/8 \times (888 - (88/(8 + 8)/8))$
:= $9 + (((9/9 + 9 \times 9) \times ((999 + 9 + 9)/9)) + 9)$
- 9285 := $((1 + 1) \times (1 + 11)) + ((11 + (11 - 1))^{1+1+1})$
:= $2 + (((22 - 2/2)^{2/2+2}) + 22)$
:= $3^3 + (((3 \times (3 + 3)) + 3)^3) - 3$
:= $4/4 + (44 \times (4^4 - (44 + 4/4)))$
:= $(5 + 5 + 5) \times ((5^5 - 5)/5 - 5)$
:= $6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - 6 \times 6/(6 + 6)$
:= $(77/7 \times ((77 \times 77 - 7)/7)) - (7 + 7 + 7)$
:= $8 + (((8 \times ((8 + 8) \times (8 \times 8 + 8) + 8)) - (88/8)) + 8)$
:= $(9 \times (9 \times (99 + 9 + 9)) - 9) - 999/9$
- 9286 := $((1 + 1 + 1)^{11-1-1}) - 1111/(1 + 1)$
:= $2 + (22 \times ((22 - 2)^2 + 22))$
:= $3^3 + (((3 \times (3 + 3)) + 3)^3) - 3 + 3/3$
:= $(4 + 4)/4 + (44 \times (4^4 - (44 + 4/4)))$
:= $5/5 + ((5 + 5 + 5) \times ((5^5 - 5)/5 - 5))$
:= $6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - (6 + 6)/6$
:= $7 + (((7 \times (7 \times ((7 + 7) \times (7 + 7) - 7))) + (77/7)) + 7)$
:= $8 + ((8 \times ((8 + 8) \times (8 \times 8 + 8) + 8)) - ((8 + 8)/8))$
:= $9 \times 9 + (((9 + 9) \times ((9 + 9)/9)^9) - (99/9))$
- 9287 := $1 + (((1 + 1 + 1)^{11-1-1}) - 1111)/(1 + 1)$
:= $2 + (((22 - 2/2)^{2/2+2}) + 22) + 2$
:= $3^3 + (((3 \times (3 + 3)) + 3)^3) - 3/3$
:= $4 + (44 \times (4^4 - 44)) - (44 + 4/4)$
:= $(5 + 5)/5 + ((5 + 5 + 5) \times ((5^5 - 5)/5 - 5))$
:= $6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - 6/6$
:= $7 + ((7/7 + 7) \times (7777/7 + 7 \times 7))$
:= $8 + ((8 \times ((8 + 8) \times (8 \times 8 + 8) + 8)) - 8/8)$
:= $9 + (9999 - (9 \times 9 \times 9 + 9/9)) + 9$

- 9288 := $(1+1) \times ((1+1) \times (1+(11 \times ((1+1) \times 111 - 11))))$ ► 9293 := $1 + (1111 + (((1+1)^{1+1+11}) - 11))$ ► 9298 := $((111 - (1 + (1 + 1 + 11)))^{1+1}) - 111$
- := $(2+2+2)^2 \times (2^{2 \times (2+2)} + 2)$:= $(2 \times 2^{2+2}) + ((22 - 2/2)^{2/2+2})$:= $2 + (2 \times (2 \times (((2 \times (22 + 2))^2) - 2) + 22))$
- := $3^3 + (((3 \times (3+3)) + 3)^3)$:= $33 + (((3 \times (3+3)) + 3)^3) - 3/3$:= $3 + (((3 \times (3+3)) + 3)^3) + 3/3 + 33$
- := $4 + (44 \times (4^4 - (44 + 4/4)))$:= $4/4 + ((4 \times (4 \times ((4/4 + 4)^4 - 44))) - 4)$:= $(4+4)/4 + (4 \times (4 \times ((4/4 + 4)^4 - 44)))$
- := $(5 - (5+5)/5) \times ((5/5 - (5 \times 5 + 5)) + 5^5)$:= $((5+5+5) \times (5^5/5 - 5)) - ((5+5)/5 + 5)$:= $((5+5+5) \times (5^5/5 - 5)) - (5+5)/5$
- := $6 \times 6 \times (6 \times (6 \times 6 + 6) + 6)$:= $6 + (6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - 6/6)$:= $((66 - 6)/6) + 6 \times 6 \times (6 \times (6 \times 6 + 6) + 6)$
- := $77 + ((7 \times (7 \times 77 + 777)) - 7/7)$:= $77 + ((7 \times (7+7) - ((7+7)/7))^{(7+7)/7})$:= $((77+7)/7 \times (777 - 7/7)) - (7+7)$
- := $8 + (8 \times ((8+8) \times (8 \times 8 + 8) + 8))$:= $88 + ((8 \times (8+8) \times (8 \times 8 + 8)) - (88/8))$:= $8 + (((8 \times ((8+8) \times (8 \times 8 + 8) + 8)) + ((8+8)/8)) + 8)$
- := $9 + ((9999 - 9 \times 9 \times 9) + 9)$:= $9/9 + (((99/9) + 9 \times 9) \times ((9+9)/9 + 99))$:= $9 + (99 \times 99 - ((9+9)/9)^9)$
- 9289 := $((11 \times (11 - 1 - 1))^{1+1}) - (1+1)^{11-1-1}$ ► 9294 := $(11 \times (1 + 1 + 1)) + ((11 + (11 - 1))^{1+1+1})$ ► 9299 := $1111 + ((1+1) \times ((1+1) \times ((1+1)^{11} - 1)))$
- := $2/2 + ((2+2+2)^2 \times (2^{2 \times (2+2)} + 2))$:= $2 + (2 \times (((2^{2+2+2} + 2) + 2)^2) + 22)$:= $2 + (((22 - 2/2)^{2/2+2}) + (2+2+2)^2)$
- := $3^3 + (((3 \times (3+3)) + 3)^3) + 3/3$:= $33 + (((3 \times (3+3)) + 3)^3)$:= $3 + ((3/3 + 3 + 3) \times ((33/3)^3 - 3))$
- := $4 + ((44 \times (4^4 - (44 + 4/4))) + 4/4)$:= $(4 \times (4 \times ((4/4 + 4)^4 - 44))) - (4+4)/4$:= $4 + ((4 \times (4 \times ((4/4 + 4)^4 - 44))) - 4/4)$
- := $((5+5+5) \times (5^5/5 - 5)) - 55/5$:= $((5+5+5) \times (5^5/5 - 5)) - (5/5 + 5)$:= $((5+5+5) \times (5^5/5 - 5)) - 5/5$
- := $6/6 + 6 \times 6 \times (6 \times (6 \times 6 + 6) + 6)$:= $6 + 6 \times 6 \times (6 \times (6 \times 6 + 6) + 6)$:= $66/6 + 6 \times 6 \times (6 \times (6 \times 6 + 6) + 6)$
- := $77 + (7 \times (7 \times 77 + 777))$:= $7 + (((7/7 + 7) \times (7777/7 + 7 \times 7)) + 7)$:= $(77/7 \times ((77 \times 77 - 7)/7)) - 7$
- := $8 + ((8 \times ((8+8) \times (8 \times 8 + 8) + 8)) + 8/8)$:= $8 + (((8 \times ((8+8) \times (8 \times 8 + 8) + 8)) - ((8+8)/8)) + 8)$:= $8 + ((8 \times ((8+8) \times (8 \times 8 + 8) + 8)) + (88/8))$
- := $99 \times 99 - ((9+9)/9)^9$:= $9 \times 9 + (999/9 \times (((9+9)/9) + 9 \times 9))$:= $9 + ((99 \times 99 - ((9+9)/9)^9) + 9/9)$
- 9290 := $(11 - 1) \times (((11 \times (1 + 1 + 11))^{1+1}) - 1)/(1+1)$ ► 9295 := $(111 - 1)/(1+1) \times (1 + 1 + 11)^{1+1}$ ► 9300 := $1111 + (((1+1)^{1+1+11}) - (1+1+1))$
- := $2 + ((2+2+2)^2 \times (2^{2 \times (2+2)} + 2))$:= $22/2 + (22 \times ((22 - 2)^2 + 22))$:= $2 \times (2 \times (((2 \times (22 + 2))^2) + 22)) - 2$
- := $3 + (((3 \times (3+3)) + 3)^3) - 3/3 + 3^3$:= $3/3 + (((3 \times (3+3)) + 3)^3) + 33$:= $3 + (((3 \times (3+3)) + 3)^3) + 33 + 3$
- := $4 + ((44 \times (4^4 - (44 + 4/4))) + (4+4)/4)$:= $(4 \times (4 \times ((4/4 + 4)^4 - 44))) - 4/4$:= $4 + (4 \times (4 \times ((4/4 + 4)^4 - 44)))$
- := $5 + ((5+5+5) \times ((5^5 - 5)/5 - 5))$:= $((5+5+5) \times (5^5/5 - 5)) - 5$:= $(5+5+5) \times (5^5/5 - 5)$
- := $(6+6)/6 + 6 \times 6 \times (6 \times (6 \times 6 + 6) + 6)$:= $6 + (6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) + 6/6)$:= $6 + (6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) + 6)$
- := $7/7 + ((7 \times (7 \times 77 + 777)) + 77)$:= $77/7 \times ((77 \times 77 - (7+7)/7)/7)$:= $(77+7)/7 \times (777 - ((7+7)/7))$
- := $8 + ((8 \times ((8+8) \times (8 \times 8 + 8) + 8)) + ((8+8)/8))$:= $8 + (((8 \times ((8+8) \times (8 \times 8 + 8) + 8)) - 8/8) + 8)$:= $((88+8)/8) \times ((8 \times (88+8) - 8/8) + 8)$
- := $9/9 + (99 \times 99 - ((9+9)/9)^9)$:= $9 \times 9 + (((9+9) \times ((9+9)/9)^9) - ((9+9)/9))$:= $(9/9 + 99) \times ((99+9)/9 + 9 \times 9)$
- 9291 := $1111 + (((1+1)^{1+1+11}) - (1+11))$ ► 9296 := $(1+111) \times (1 + (1 + (11 - 1 - 1))^{1+1})$ ► 9301 := $1111 + ((1+1) \times ((1+1)^{1+11}) - 1)$
- := $2 + (((2+2+2)^2 \times (2^{2 \times (2+2)} + 2)) + 2/2)$:= $2 \times (2 \times (((2 \times (22 + 2))^2) - 2) + 22)$:= $2 \times (22 - 2) + ((22 - 2/2)^{2/2+2})$
- := $3 + (((3 \times (3+3)) + 3)^3) + 3^3$:= $(3/3 + 3 + 3) \times ((33/3)^3 - 3)$:= $3 + (((3 \times (3+3)) + 3)^3) + 3/3 + 33 + 3$
- := $44/4 + (4 \times (4 \times (4 \times 4^4 - 444)))$:= $4 \times (4 \times ((4/4 + 4)^4 - 44))$:= $4 + ((4 \times (4 \times ((4/4 + 4)^4 - 44))) + 4/4)$
- := $5 + (((5+5+5) \times ((5^5 - 5)/5 - 5)) + 5/5)$:= $5/5 + (((5+5+5) \times (5^5/5 - 5)) - 5)$:= $5/5 + ((5+5+5) \times (5^5/5 - 5))$
- := $(6 \times 6)/(6+6) + 6 \times 6 \times (6 \times (6 \times 6 + 6) + 6)$:= $6 + (6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) + ((6+6)/6))$:= $6 + ((6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) + 6/6) + 6)$
- := $((7+7)/7)^7 + (77 \times ((7 \times 7 - 7) + 77))$:= $7 + ((7 \times (7 \times 77 + 777)) + 77)$:= $7/7 + ((77+7)/7 \times (777 - ((7+7)/7)))$
- := $88/8 + (8 \times ((8+8) \times (8 \times 8 + 8) + 8))$:= $8 + ((8 \times ((8+8) \times (8 \times 8 + 8) + 8)) + 8)$:= $((88+8) \times ((8/8 + 88) + 8)) - 88/8$
- := $9 + (((9/9 + 9 \times 9) + 9) \times (999/9 - 9))$:= $9 \times 9 + (((9+9) \times ((9+9)/9)^9) - 9/9)$:= $9 + (((99/9) + 9 \times 9) \times ((9+9)/9 + 99))$
- 9292 := $1111 + (((1+1)^{1+1+11}) - 11)$ ► 9297 := $1 + ((1+111) \times (1 + (1 + (11 - 1 - 1))^{1+1}))$ ► 9302 := $1111 + (((1+1)^{1+1+11}) - 1)$
- := $2 \times (((2^{2+2+2} + 2) + 2)^2) + 22$:= $(2+2+2)^2 + ((22 - 2/2)^{2/2+2})$:= $(222 \times ((2 \times 22) - 2)) - 22$
- := $3 + (((3 \times (3+3)) + 3)^3) + 3/3 + 3^3$:= $3 + (((3 \times (3+3)) + 3)^3) + 33$:= $3 + (((3/3 + 3 + 3) \times ((33/3)^3 - 3)) + 3)$
- := $(4 \times (4 \times ((4/4 + 4)^4 - 44))) - 4$:= $4/4 + (4 \times (4 \times ((4/4 + 4)^4 - 44)))$:= $(4 \times 4^4 \times (4+4)) + (4444 - 4)/4$
- := $(5+5)/5 \times ((5/5 + 5)^5 - (5^5 + 5))$:= $(5 - (5+5)/5) \times (5^5 - (5 \times 5 + 5/5))$:= $(5+5)/5 \times ((5/5 + 5)^5 - 5^5)$
- := $6 + (6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - ((6+6)/6))$:= $6 + (6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) + (6 \times 6)/(6+6))$:= $6 + ((6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) + ((6+6)/6)) + 6)$
- := $(77/7 \times ((77 \times 77 - 7)/7)) - (7+7)$:= $7 + (((7 \times (7 \times 77 + 777)) + 77) + 7/7)$:= $7 + (77/7 \times ((77 \times 77 - (7+7)/7))$
- := $((88+8)/8) + (8 \times ((8+8) \times (8 \times 8 + 8) + 8))$:= $(8/8 + 8) \times ((8 \times 8 \times (8+8) + 8/8) + 8)$:= $88 + ((8 \times (8+8) \times (8 \times 8 + 8)) - ((8+8)/8))$
- := $(99/9) + 9 \times 9 \times ((9+9)/9 + 99)$:= $9 \times (((9+9)/9)^{9/9+9}) + 9$:= $99 \times 99 + ((9 - 9 \times 999)/(9+9))$

$$\begin{aligned}
\blacktriangleright 9303 &:= 1111 + ((1+1)^{1+1+11}) \\
&:= (2/2 - 22) \times (2/2 - 2 \times 222) \\
&:= 3 \times 3 + (((3 \times (3+3)) + 3)^3) + 33 \\
&:= (4 \times 4^4 \times (4+4)) + 4444/4 \\
&:= (5 - (5+5)/5) \times ((5/5 - 5 \times 5) + 5^5) \\
&:= (6/6 + 6) \times ((66 \times 6/(6+6)) + 6 \times 6 \times 6 \times 6) \\
&:= (77 \times (((7+7)/7)^7 - 7)) - (7+7) \\
&:= 88 + ((8 \times (8+8) \times (8 \times 8 + 8)) - 8/8) \\
&:= 9 + ((999/9 \times ((9+9)/9) + 9 \times 9)) + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9304 &:= 1 + (1111 + ((1+1)^{1+1+11})) \\
&:= 2 \times (2 \times (((2 \times (22+2))^2) + 22)) \\
&:= 3 \times 3 + (((3 \times (3+3)) + 3)^3) + 3/3 + 33 \\
&:= 4 + ((4 \times (4 \times ((4/4 + 4)^4 - 44))) + 4) \\
&:= 5 + (((5+5+5) \times (5^5/5 - 5)) - 5/5) \\
&:= (((6+6)/6 + 6 + 6) \times (666 - 6/6)) - 6 \\
&:= 7/7 + ((77 \times (((7+7)/7)^7 - 7)) - (7+7)) \\
&:= 88 + (8 \times (8+8) \times (8 \times 8 + 8)) \\
&:= 99 + (((9+9) \times ((9+9)/9)^9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9305 &:= 1 + (1 + (1111 + ((1+1)^{1+1+11}))) \\
&:= 2 \times 22 + ((22 - 2/2)^{2/2+2}) \\
&:= 33 + (((3 \times (3+3)) + 3)^3) + 33/3 \\
&:= 44 + (((4 \times 4 + 4/4) + 4)^{4-4/4}) \\
&:= 5 + ((5+5+5) \times (5^5/5 - 5)) \\
&:= 6 + (6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) + (66/6)) \\
&:= ((77+7)/7 \times (777 - 7/7)) - 7 \\
&:= 8/8 + ((8 \times (8+8) \times (8 \times 8 + 8)) + 88) \\
&:= 9 + (((9+9) \times ((9+9)/9)^9) - 9/9) + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9306 &:= (11 - 1 - 1) \times (11 + ((1+1)^{11-1} - 1)) \\
&:= 2 + (2 \times (2 \times (((2 \times (22+2))^2) + 22))) \\
&:= 33 \times ((3 \times (3 \times (3^3 + 3) + 3)) + 3) \\
&:= 44/4 \times (4 \times (4^4 - 44) - (4+4)/4) \\
&:= 5 + (((5+5+5) \times (5^5/5 - 5)) + 5/5) \\
&:= 66 \times ((666/6 - 6) + 6 \times 6) \\
&:= 77/7 \times ((77 \times 77 - 7)/7) \\
&:= 88 + ((8 \times (8+8) \times (8 \times 8 + 8)) + ((8+8)/8)) \\
&:= 9 + (((9+9) \times ((9+9)/9)^9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9307 &:= 1 + ((11 - 1 - 1) \times (11 + ((1+1)^{11-1} - 1))) \\
&:= 2 + (((22 - 2/2)^{2/2+2}) + 2 \times 22) \\
&:= 3/3 + (33 \times ((3 \times (3 \times (3^3 + 3) + 3)) + 3)) \\
&:= 4 + ((4 \times 4^4 \times (4+4)) + 4444/4) \\
&:= 5 + ((5+5)/5 \times ((5/5 + 5)^5 - 5^5)) \\
&:= 6/6 + (66 \times ((666/6 - 6) + 6 \times 6)) \\
&:= 7 + ((77+7)/7 \times (777 - ((7+7)/7))) \\
&:= ((8/8 + 8) \times (8 \times 8 \times (8+8) + (88/8))) - 8 \\
&:= 9 + (99 \times 99 - ((9+9)/9)^9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9308 &:= 1 + (1 + ((11 - 1 - 1) \times (11 + ((1+1)^{11-1} - 1)))) \\
&:= 2 \times (2 \times (((2 \times (22+2))^2) + 22)) + 2 \\
&:= ((3/3 + 3 + 3) \times (33/3)^3) - 3 \times 3 \\
&:= (44 \times (4^4 - 44)) - 4 \times 4 - 4 \\
&:= 5 + ((5 - (5+5)/5) \times ((5/5 - 5 \times 5) + 5^5)) \\
&:= (6+6)/6 + (66 \times ((666/6 - 6) + 6 \times 6)) \\
&:= (77 \times (((7+7)/7)^7 - 7)) - ((7+7)/7 + 7) \\
&:= 8 + (((88+8)/8) \times ((8 \times (88+8) - 8/8) + 8)) \\
&:= 9 \times 9 + (((9+9) \times ((9+9)/9)^9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9309 &:= (((1+1)^{11-1} \times (11 - 1)^{1+1}) - 1)/11 \\
&:= (2 \times (22+2)) + ((22 - 2/2)^{2/2+2}) \\
&:= 3 + (33 \times ((3 \times (3 \times (3^3 + 3) + 3)) + 3)) \\
&:= 4 + (((4 \times 4 + 4/4) + 4)^{4-4/4}) + 44 \\
&:= 5 + (((5+5+5) \times (5^5/5 - 5)) - 5/5) + 5 \\
&:= (666666/66) - 66 \times (6+6) \\
&:= (77 \times (((7+7)/7)^7 - 7)) - (7/7 + 7) \\
&:= (88 - 8/8) \times ((88/8 + 88) + 8) \\
&:= 9 + ((9/9 + 99) \times ((99+9)/9 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9310 &:= (11^{1+1+1} - 1) \times (1 + ((1+1) \times (1+1+1))) \\
&:= 2 + (2 \times (2 \times (((2 \times (22+2))^2) + 22)) + 2) \\
&:= (3/3 + 3 + 3) \times ((33/3)^3 - 3/3) \\
&:= (4^4 - 44/4) \times (44 - ((4+4)/4 + 4)) \\
&:= 5 + (((5+5+5) \times (5^5/5 - 5)) + 5) \\
&:= ((6+6)/6 + 6 + 6) \times (666 - 6/6) \\
&:= 7 \times ((7 \times ((7+7) \times (7+7) - 7)) + 7) \\
&:= (88 - 8/8 + 8) \times (((8+8)/8 + 88) + 8) \\
&:= ((99 - ((9+9)/9))^{(9+9)/9}) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9311 &:= 1 + ((11^{1+1+1} - 1) \times (1 + ((1+1) \times (1+1+1)))) \\
&:= (222 \times ((2 \times 22) - 2)) - (22/2 + 2) \\
&:= ((3/3 + 3 + 3) \times (33/3)^3) - 3 - 3 \\
&:= (44 \times (4^4 - 44)) - (4 \times 4 + 4/4) \\
&:= 55/5 + ((5+5+5) \times (5^5/5 - 5)) \\
&:= (6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) - (6/6 + 6 + 6) \\
&:= 7/7 + (7 \times ((7 \times ((7+7) \times (7+7) - 7)) + 7)) \\
&:= ((88+8) \times ((8/8 + 88) + 8)) - 8/8 \\
&:= 9 + (((9 - 9 \times 999)/(9+9)) + 99 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9312 &:= (1+11) \times ((111 \times (1 + ((1+1) \times (1+1+1)))) - 1) \\
&:= 2 \times (2 \times (((2 \times (22+2))^2) + 22)) + 2) \\
&:= (3^3 \times ((333 + 3 \times 3) + 3)) - 3 \\
&:= (44 \times (4^4 - 44)) - 4 \times 4 \\
&:= (5+5)/5 \times (((5/5 + 5)^5 - 5^5) + 5) \\
&:= (6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) - 6 - 6 \\
&:= (77+7)/7 \times (777 - 7/7) \\
&:= (88+8) \times ((8/8 + 88) + 8) \\
&:= 99 + (999/9 \times ((9+9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9313 &:= 11 + (1111 + (((1+1)^{1+1+11}) - 1)) \\
&:= (222 \times ((2 \times 22) - 2)) - 22/2 \\
&:= (333 \times (3^3 + 3/3)) - 33/3 \\
&:= 4/4 + ((44 \times (4^4 - 44)) - 4 \times 4) \\
&:= ((5+5+5) \times ((5^5 + 5)/5 - 5)) - (5+5)/5 \\
&:= (6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) - 66/6 \\
&:= 7 + (77/7 \times ((77 \times 77 - 7)/7)) \\
&:= 8/8 + ((88+8) \times ((8/8 + 88) + 8)) \\
&:= 99 + (((9+9) \times ((9+9)/9)^9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9314 &:= 11 + (1111 + ((1+1)^{1+1+11})) \\
&:= 2 + (2 \times (2 \times (((2 \times (22+2))^2) + 22) + 2)) \\
&:= ((3/3 + 3 + 3) \times (33/3)^3) - 3 \\
&:= (4+4)/4 + ((44 \times (4^4 - 44)) - 4 \times 4) \\
&:= ((5+5+5) \times ((5^5 + 5)/5 - 5)) - 5/5 \\
&:= (6 - 66)/6 + (6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) \\
&:= ((7 - 77)/7) + (777 \times (77 + 7)/7) \\
&:= (8+8)/8 + ((88+8) \times ((8/8 + 88) + 8)) \\
&:= 99 + (((9+9) \times ((9+9)/9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9315 &:= (11 - 1 - 1) \times (11 + (1+1)^{11-1}) \\
&:= 2 + ((222 \times ((2 \times 22) - 2)) - 22/2) \\
&:= 3^3 \times ((333 + 3 \times 3) + 3) \\
&:= (44/4 + 4) \times ((4/4 + 4)^4 - 4) \\
&:= (5+5+5) \times ((5^5 + 5)/5 - 5) \\
&:= 6 \times 6 \times 6 \times 6 + ((66/6) \times ((6 \times 6/(6+6))^6)) \\
&:= (77 - (7/7 + 7)) \times (((7+7)/7)^7 + 7) \\
&:= (8/8 + 8) \times (8 \times 8 \times (8+8) + (88/8)) \\
&:= 9 \times (((999 + 9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9316 &:= 1 + ((11 - 1 - 1) \times (11 + (1+1)^{11-1})) \\
&:= 2 \times ((222 \times (22 - 2/2)) - (2+2)) \\
&:= 3/3 + (3^3 \times ((333 + 3 \times 3) + 3)) \\
&:= 4 + ((44 \times (4^4 - 44)) - 4 \times 4) \\
&:= 5/5 + ((5+5+5) \times ((5^5 + 5)/5 - 5)) \\
&:= 6 + (((6+6)/6 + 6 + 6) \times (666 - 6/6)) \\
&:= (77 \times (((7+7)/7)^7 - 7)) - 7/7 \\
&:= (888/8 \times (88 - 8 \times 8/(8+8))) - 8 \\
&:= 9/9 + (((9+9) \times ((9+9)/9)^9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9317 &:= 11^{1+1+1} \times (1 + ((1+1) \times (1+1+1))) \\
&:= (((22/2)^2 - 22)^2) - 22^2 \\
&:= (3/3 + 3 + 3) \times (33/3)^3 \\
&:= (44 \times (4^4 - 44)) - 44/4 \\
&:= ((5 - (5+5)/5) \times (5^5 - 5/5)) - 55 \\
&:= (6/6 + 6) \times ((66/6)^{6 \times 6/(6+6)}) \\
&:= 77 \times (((7+7)/7)^7 - 7) \\
&:= (8 - 8/8) \times ((88/8)^{88/8-8}) \\
&:= 99 + (((9+9) \times ((9+9)/9)^9) + ((9+9)/9))
\end{aligned}$$

- 9318 := $1 + (11^{1+1+1} \times (1 + ((1+1) \times (1+1+1))))$
:= $(222 \times ((2 \times 22) - 2)) - 2 - 2 - 2$
:= $3 + (3^3 \times ((333 + 3 \times 3) + 3))$
:= $(4 - 44)/4 + (44 \times (4^4 - 44))$
:= $5^5 + ((5^5 - ((5+5)/5 + 55)) + 5^5)$
:= $(6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) - 6$
:= $7/7 + (77 \times (((7+7)/7)^7 - 7))$
:= $8 + ((88 - 8/8 + 8) \times (((8+8)/8 + 88) + 8))$
:= $999/9 + (((9+9) \times ((9+9)/9)^9) - 9)$
- 9319 := $1 + (1 + (11^{1+1+1} \times (1 + ((1+1) \times (1+1+1))))$
:= $2 + (((22/2)^2 - 22)^2) - 22^2$
:= $3 + ((3^3 \times ((333 + 3 \times 3) + 3)) + 3/3)$
:= $4 + ((44/4 + 4) \times ((4/4 + 4)^4 - 4))$
:= $5^5 + ((5^5 - (55 + 5/5)) + 5^5)$
:= $6/6 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) - 6)$
:= $7 + ((77 + 7)/7 \times (777 - 7/7))$
:= $8 + (((88 + 8) \times ((8/8 + 88) + 8)) - 8/8)$
:= $9 + (((99 - ((9+9)/9))^{(9+9)/9}) - 99)$
- 9320 := $(1+1) \times ((1+1) \times ((111 \times (11 + (11-1))) - 1))$
:= $2 \times ((222 \times (22 - 2/2)) - 2)$
:= $3 + ((3/3 + 3 + 3) \times (33/3)^3)$
:= $(44 \times (4^4 - 44)) - 4 - 4$
:= $5^5 + ((5^5 - 55) + 5^5)$
:= $(6+6)/6 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) - 6)$
:= $7 + ((77/7 \times ((77 \times 77 - 7)/7)) + 7)$
:= $8 + ((88 + 8) \times ((8/8 + 88) + 8))$
:= $(99999/9) - ((9+9) \times 99 + 9)$
- 9321 := $(1+1+11) \times ((1+1)^{11} - 11^{1+1+1})$
:= $(222 \times ((2 \times 22) - 2)) - 2/2 - 2$
:= $(333 \times (3^3 + 3/3)) - 3$
:= $4 + ((44 \times (4^4 - 44)) - 44/4)$
:= $5^5 + (((5^5 - 55) + 5/5) + 5^5)$
:= $(6/6 + 6 + 6) \times (((6 \times 6/(6+6))^6) - (6+6))$
:= $(77/7 \times ((77 \times 77 + 7)/7)) - 7$
:= $((8/8 + 88) + 8)^{(8+8)/8} - 88$
:= $9 + ((999/9 \times (((9+9)/9) + 9 \times 9)) + 99)$
- 9322 := $(1+1) \times (((1+1) \times (111 \times (11 + (11-1)))) - 1)$
:= $(222 \times ((2 \times 22) - 2)) - 2$
:= $3/3 + ((333 \times (3^3 + 3/3)) - 3)$
:= $(44 \times (4^4 - 44)) - ((4+4)/4 + 4)$
:= $5 + (((5 - (5+5)/5) \times (5^5 - 5/5)) - 55)$
:= $(6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) - (6+6)/6$
:= $((7+7)/7 + 77) \times (777/7 + 7)$
:= $((8/8 - 88) + 8) \times (((8 - 888)/8) - 8)$
:= $(9 \times 9 - ((9+9)/9)) \times ((9/9 + 99 + 9) + 9)$
- 9323 := $((1+1) \times ((1+1) \times (111 \times (11 + (11-1)))) - 1)$
:= $(222 \times ((2 \times 22) - 2)) - 2/2$
:= $(333 \times (3^3 + 3/3)) - 3/3$
:= $(44 \times (4^4 - 44)) - 4/4 - 4$
:= $((5 - (5+5)/5) \times (5^5 + 5/5)) - 55$
:= $(6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) - 6/6$
:= $(777 \times (77 + 7)/7) - 7/7$
:= $8 + ((8/8 + 8) \times (8 \times 8 \times (8+8) + (88/8)))$
:= $9 + (((9+9) \times ((9+9)/9)^9) - 9/9 + 99)$
- 9324 := $(1+1) \times ((1+1) \times (111 \times (11 + (11-1))))$
:= $222 \times ((2 \times 22) - 2)$
:= $333 \times (3^3 + 3/3)$
:= $(44 \times (4^4 - 44)) - 4$
:= $5^5 + (((5+5) \times (5^5/5 - 5)) - 5/5)$
:= $(6 \times 6 + 6) \times (6 \times 6 \times 6 + 6)$
:= $777 \times (77 + 7)/7$
:= $888/8 \times (88 - 8 \times 8/(8+8))$
:= $9 + (((9+9) \times ((9+9)/9)^9) + 99)$
- 9325 := $1 + ((1+1) \times ((1+1) \times (111 \times (11 + (11-1))))$
:= $2/2 + (222 \times ((2 \times 22) - 2))$
:= $3/3 + (333 \times (3^3 + 3/3))$
:= $4/4 + ((44 \times (4^4 - 44)) - 4)$
:= $5^5 + ((5+5) \times (5^5/5 - 5))$
:= $6/6 + (6 \times 6 + 6) \times (6 \times 6 \times 6 + 6)$
:= $7/7 + (777 \times (77 + 7)/7)$
:= $8 + ((8 - 8/8) \times ((88/8)^{88/8-8}))$
:= $9 + (((9+9) \times ((9+9)/9)^9) + 9/9 + 99)$
- 9326 := $11 + ((11-1-1) \times (11 + (1+1)^{11-1}))$
:= $2 + (222 \times ((2 \times 22) - 2))$
:= $3 + ((333 \times (3^3 + 3/3)) - 3/3)$
:= $(44 \times (4^4 - 44)) - (4+4)/4$
:= $5^5 + (((5+5) \times (5^5/5 - 5)) + 5/5)$
:= $(6+6)/6 + (6 \times 6 + 6) \times (6 \times 6 \times 6 + 6)$
:= $(7+7)/7 + (777 \times (77 + 7)/7)$
:= $(888 - 8)/8 + (8 \times (8+8) \times (8 \times 8 + 8))$
:= $99 + (((9+9) \times ((9+9)/9)^9) + (99/9))$
- 9327 := $111 + ((11-1-1) \times (1+1)^{11-1})$
:= $2 + ((222 \times ((2 \times 22) - 2)) + 2/2)$
:= $3 + (333 \times (3^3 + 3/3))$
:= $(44 \times (4^4 - 44)) - 4/4$
:= $(5 - (5+5)/5) \times (5^5 - (55/5 + 5))$
:= $(6 \times 6/(6+6)) + (6 \times 6 + 6) \times (6 \times 6 \times 6 + 6)$
:= $((77 - 7)/7) + (77 \times (((7+7)/7)^7 - 7))$
:= $888/8 + (8 \times (8+8) \times (8 \times 8 + 8))$
:= $999/9 + ((9+9) \times ((9+9)/9)^9)$
- 9328 := $1 + (111 + ((11-1-1) \times (1+1)^{11-1}))$
:= $2 + ((222 \times ((2 \times 22) - 2)) + 2)$
:= $3 + ((333 \times (3^3 + 3/3)) + 3/3)$
:= $44 \times (4^4 - 44)$
:= $5 + (((5 - (5+5)/5) \times (5^5 + 5/5)) - 55)$
:= $6 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) - ((6+6)/6))$
:= $77/7 \times ((77 \times 77 + 7)/7)$
:= $88 \times (((8+8)/8 + 88) + 8) + 8$
:= $((99 - ((9+9)/9))^{(9+9)/9}) - 9 \times 9$
- 9329 := $1 + (1 + (111 + ((11-1-1) \times (1+1)^{11-1})))$
:= $2 + (((222 \times ((2 \times 22) - 2)) + 2/2) + 2)$
:= $3 + (((333 \times (3^3 + 3/3)) - 3/3) + 3)$
:= $4/4 + (44 \times (4^4 - 44))$
:= $5 + (((5+5) \times (5^5/5 - 5)) - 5/5) + 5^5$
:= $6 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) - 6/6)$
:= $((77 + 7)/7 \times (777 + 7/7)) - 7$
:= $8 + (((8/8 + 88) + 8)^{(8+8)/8}) - 88$
:= $(99999/9) - (9+9) \times 99$
- 9330 := $(1+1) \times (1 + ((1+1) \times (1 + (111 \times (11 + (11-1))))))$
:= $2 + (((222 \times ((2 \times 22) - 2)) + 2) + 2)$
:= $3 + ((333 \times (3^3 + 3/3)) + 3)$
:= $(4+4)/4 + (44 \times (4^4 - 44))$
:= $5 + (((5+5) \times (5^5/5 - 5)) + 5^5)$
:= $6 + (6 \times 6 + 6) \times (6 \times 6 \times 6 + 6)$
:= $7 + ((777 \times (77 + 7)/7) - 7/7)$
:= $8 + (((8/8 - 88) + 8) \times (((8 - 888)/8) - 8))$
:= $9/9 + ((99999/9) - (9+9) \times 99)$
- 9331 := $11^{1+1+1} + (((1+1) \times (11-1))^{1+1+1})$
:= $(2 \times ((2 \times 2222) + 222)) - 2/2$
:= $(33/3)^3 + ((33/3 + 3 \times 3)^3)$
:= $4 + ((44 \times (4^4 - 44)) - 4/4)$
:= $5 + (((5+5) \times (5^5/5 - 5)) + 5^5) + 5/5$
:= $6 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) + 6/6)$
:= $7 + (777 \times (77 + 7)/7)$
:= $8 + (((8/8 + 8) \times (8 \times 8 \times (8+8) + (88/8))) + 8)$
:= $9 + ((9 \times 9 - ((9+9)/9)) \times ((9/9 + 99 + 9) + 9))$
- 9332 := $(1+1) \times ((1+1) \times (111 + ((1+1) \times 1111)))$
:= $2 \times ((2 \times 2222) + 222)$
:= $((3 \times (3+3) + 3)^3) + (((3+3)^3 - 3)/3)$
:= $4 + (44 \times (4^4 - 44))$
:= $5 + ((5 - (5+5)/5) \times (5^5 - (55/5 + 5)))$
:= $6 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) + ((6+6)/6))$
:= $7 + ((777 \times (77 + 7)/7) + 7/7)$
:= $8888 + 888/((8+8)/8)$
:= $99 + ((9 \times ((999 + 9 + 9) + 9)) - 9/9)$

- 9333 := $(11 - 1 - 1) \times (1 + (1 + 11 + (1 + 1)^{11-1}))$
:= $2/2 + (2 \times ((2 \times 2222) + 222))$
:= $3 \times 3 + (333 \times (3^3 + 3/3))$
:= $4 + ((44 \times (4^4 - 44)) + 4/4)$
:= $(5 - (5 + 5)/5) \times ((5/5 - (5 + 5 + 5)) + 5^5)$
:= $6 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) + (6 \times 6/(6 + 6)))$
:= $7 + ((777 \times (77 + 7)/7) + ((7 + 7)/7))$
:= $((8 + 8) \times (8 \times (8 \times 8 + 8) + 8)) - 88/8$
:= $99 + (9 \times ((999 + 9 + 9) + 9))$
- 9334 := $(1 + 1 + 11) \times ((11 - 1 - 1)^{1+1+1} - 11)$
:= $2 + (2 \times ((2 \times 2222) + 222))$
:= $((3/3 + 3 + 3)^3) + (3^3 \times 333)$
:= $4 + ((44 \times (4^4 - 44)) + (4 + 4)/4)$
:= $5^5 + (((5 + 5) \times ((5^5 + 5)/5 - 5)) - 5/5)$
:= $((66 - 6)/6) + (6 \times 6 + 6) \times (6 \times 6 \times 6 + 6)$
:= $((77 - 7)/7) + (777 \times (77 + 7)/7)$
:= $888 + (88 \times (88 + 8) - ((8 + 8)/8))$
:= $9/9 + ((9 \times ((999 + 9 + 9) + 9)) + 99)$
- 9335 := $(11 \times 11 \times 111) - ((1 + 1)^{1+11})$
:= $22/2 + (222 \times ((2 \times 22) - 2))$
:= $33/3 + (333 \times (3^3 + 3/3))$
:= $4 + (((44 \times (4^4 - 44)) - 4/4) + 4)$
:= $5^5 + ((5 + 5) \times ((5^5 + 5)/5 - 5))$
:= $66/6 + (6 \times 6 + 6) \times (6 \times 6 \times 6 + 6)$
:= $7 + (77/7 \times ((77 \times 77 + 7)/7))$
:= $888 + (88 \times (88 + 8) - 8/8)$
:= $9 + (((9 + 9) \times ((9 + 9)/9)^9) + (99/9)) + 99$
- 9336 := $1 + ((11 \times 11 \times 111) - ((1 + 1)^{1+11}))$
:= $2 \times (((2 \times 2222) + 222) + 2)$
:= $3 + ((333 \times (3^3 + 3/3)) + 3 \times 3)$
:= $4 + ((44 \times (4^4 - 44)) + 4)$
:= $(5/5 + 5)^5 + (5 \times (5^5 - 5)/(5 + 5))$
:= $6 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) + 6)$
:= $(77 + 7)/7 \times (777 + 7/7)$
:= $888 + 88 \times (88 + 8)$
:= $9 + (((9 + 9) \times ((9 + 9)/9)^9) + 999/9)$
- 9337 := $11^{1+1} + ((11 - 1 - 1) \times (1 + 1)^{11-1})$
:= $(22/2)^2 + (2 \times 2 \times (22 + 2))^2$
:= $3 + (((3/3 + 3 + 3)^3) + (3^3 \times 333))$
:= $4 + (((44 \times (4^4 - 44)) + 4/4) + 4)$
:= $((5 - (5 + 5)/5) \times (5^5 - (55/5))) - 5$
:= $6 + (((6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) + 6/6) + 6)$
:= $7 + (((777 \times (77 + 7)/7) - 7/7) + 7)$
:= $8/8 + (88 \times (88 + 8) + 888)$
:= $9 + (((99 - ((9 + 9)/9))^{(9+9)/9}) - 9 \times 9)$
- 9338 := $((11 \times (1 + 1 + 11))^{1+1}) - 11111$
:= $2 + (2 \times (((2 \times 2222) + 222) + 2))$
:= $(3/3 + 3 + 3) \times ((33/3)^3 + 3)$
:= $(44 - 4)/4 + (44 \times (4^4 - 44))$
:= $5^5 + ((5^5 - (((5 + 5)/5)^5 + 5)) + 5^5)$
:= $((6 + 6)/6 + 6 + 6) \times (666 + 6/6)$
:= $7 + ((777 \times (77 + 7)/7) + 7)$
:= $888 + (88 \times (88 + 8) + ((8 + 8)/8))$
:= $9 + ((99999/9) - (9 + 9) \times 99)$
- 9339 := $11 \times ((1 + 1)^{11} - (11 \times (111 - 1 - 1)))$
:= $2 + ((2 \times 2 \times (22 + 2))^2 + (22/2)^2)$
:= $3 \times 3^3 + (((3 \times (3 + 3) + 3)^3) - 3)$
:= $44/4 + (44 \times (4^4 - 44))$
:= $(5 - (5 + 5)/5) \times (5^5 - ((55 + 5)/5))$
:= $6/6 + (((6 + 6)/6 + 6 + 6) \times (666 + 6/6))$
:= $77/7 \times (((77 \times 77 + 7) + 7)/7)$
:= $888 + ((88 \times (88 + 8) - 8) + (88/8))$
:= $99/9 \times ((999/9 + 9 \times 9 \times 9) + 9)$
- 9340 := $1 + (11 \times ((1 + 1)^{11} - (11 \times (111 - 1 - 1))))$
:= $2 \times (2 \times (2222 + 2) + 222)$
:= $3/3 + (((((3 \times (3 + 3) + 3)^3) - 3) + 3 \times 3^3))$
:= $4 + (((44 \times (4^4 - 44)) + 4) + 4)$
:= $((5 + 5 + 5) \times (5^5 - 5 - 5)/5) - 5$
:= $6 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) + ((66 - 6)/6))$
:= $((7 + 7)/7)^7 + (7 \times (7 \times 77 + 777))$
:= $8 + (888/((8 + 8)/8) + 8888)$
:= $(9 \times (9 - 9 \times 9)) + (9999 - (99/9))$
- 9341 := $1 + (1 + (11 \times ((1 + 1)^{11} - (11 \times (111 - 1 - 1))))$
:= $2 + (((2 \times 2 \times (22 + 2))^2 + (22/2)^2) + 2)$
:= $3 + ((3/3 + 3 + 3) \times ((33/3)^3 + 3))$
:= $4 + (((44 \times (4^4 - 44)) + 4/4) + 4) + 4$
:= $5^5 + ((55 + 5/5) \times 555/5)$
:= $6 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) + (66/6))$
:= $((77 + 7)/7 \times (((7 + 7)/7) + 777)) - 7$
:= $8 + (((8 + 8) \times (8 \times (8 \times 8 + 8) + 8)) - (88/8))$
:= $((9 + 9)/9)^9 + (9 \times (9 \times (99 + 9) + 9))$
- 9342 := $(11 - 1 - 1) \times (1 + (1 + (1 + 11 + (1 + 1)^{11-1})))$
:= $2 + ((22 \times ((2 \times 22) - 2)) + 2^{2+2})$
:= $3^3 \times (((3/3 + 3 + 3)^3) + 3)$
:= $4 + ((44 \times (4^4 - 44)) + (44 - 4)/4)$
:= $(5 - (5 + 5)/5) \times (5^5 - (55/5))$
:= $6 + (((6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) + 6) + 6)$
:= $7 + ((77/7 \times ((77 \times 77 + 7)/7)) + 7)$
:= $((8 + 8) \times (8 \times (8 \times 8 + 8) + 8)) - (8 + 8)/8$
:= $(9 \times (9 - 9 \times 9)) + (9999 - 9)$
- 9343 := $((((1 + 11)^{1+1+1+1}) - (1 + 1)^{11})/(1 + 1)) - 1$
:= $((22 - 2/2) \times (2 \times 222 + 2/2)) - 2$
:= $3/3 + (((3 \times (3 + 3) + 3)^3) + 3 \times 3^3)$
:= $4 + ((44 \times (4^4 - 44)) + 44/4)$
:= $5^5 + ((5^5 - ((5 + 5)/5)^5) + 5^5)$
:= $6 + (((6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) + 6/6) + 6) + 6$
:= $7 + ((77 + 7)/7 \times (777 + 7/7))$
:= $((8 + 8) \times (8 \times (8 \times 8 + 8) + 8)) - 8/8$
:= $9/9 + (((9 \times (9 - 9 \times 9)) - 9) + 9999)$
- 9344 := $((((1 + 11)^{1+1+1+1}) - (1 + 1)^{11})/(1 + 1))$
:= $2 \times (2^{2 \times (2+2+2)} + ((22 + 2)^2))$
:= $3^3 + ((3/3 + 3 + 3) \times (33/3)^3)$
:= $4 \times ((4 + 4) \times (4^4 + 4) + 4^4)$
:= $((5 + 5 + 5) \times (5^5 - 5 - 5)/5) - 5/5$
:= $6 + (((6 + 6)/6 + 6 + 6) \times (666 + 6/6))$
:= $((7 + 7)/7)^7 \times ((77 - 77/7) + 7)$
:= $(8 + 8) \times (8 \times (8 \times 8 + 8) + 8)$
:= $99 + ((9 \times ((999 + 9 + 9) + 9)) + (99/9))$
- 9345 := $(11 + (11 - 1)) \times (1 + ((1 + 1) \times (1 + 1) \times 111))$
:= $(22 - 2/2) \times (2 \times 222 + 2/2)$
:= $3 + (((3 \times (3 + 3) + 3)^3) + 3 \times 3^3)$
:= $4 \times 4 + ((44 \times (4^4 - 44)) + 4/4)$
:= $(5 + 5 + 5) \times (5^5 - 5 - 5)/5$
:= $(6 - 6/6) \times (66 \times (6 \times 6 - 6) - 666/6)$
:= $7 + (((777 \times (77 + 7)/7) + 7) + 7)$
:= $8/8 + ((8 + 8) \times (8 \times (8 \times 8 + 8) + 8))$
:= $999/9 + (9 \times ((999 + 9 + 9) + 9))$
- 9346 := $(11 \times (1 + 11 \times 111)) - ((1 + 1)^{1+11})$
:= $22 + (222 \times ((2 \times 22) - 2))$
:= $3 + (((3 \times (3 + 3) + 3)^3) + 3 \times 3^3) + 3/3$
:= $4 \times 4 + ((44 \times (4^4 - 44)) + (4 + 4)/4)$
:= $5/5 + ((5 + 5 + 5) \times (5^5 - 5 - 5)/5)$
:= $6 \times 6 + (((6 + 6)/6 + 6 + 6) \times (666 - 6/6))$
:= $7 + (77/7 \times (((77 \times 77 + 7) + 7)/7))$
:= $(8 + 8)/8 + ((8 + 8) \times (8 \times (8 \times 8 + 8) + 8))$
:= $9 + (((99 - ((9 + 9)/9))^{(9+9)/9}) - 9 \times 9) + 9$
- 9347 := $1 + ((11 \times (1 + 11 \times 111)) - ((1 + 1)^{1+11}))$
:= $2 + ((22 - 2/2) \times (2 \times 222 + 2/2))$
:= $3 + (((3/3 + 3 + 3) \times (33/3)^3) + 3^3)$
:= $(4 \times (((4 - 4/4) + 4)^4)) - (4/4 + 4^4)$
:= $5 + ((5 - (5 + 5)/5) \times (5^5 - (55/5)))$
:= $(6/6 + 6 + 6) \times ((6 + 6) \times (66 - 6) - 6/6)$
:= $7 + ((7 \times (7 \times 77 + 777)) + ((7 + 7)/7)^7)$
:= $888 + (88 \times (88 + 8) + (88/8))$
:= $((99 + 9 + 9)/9) \times (9 \times 9 \times 9 - (9/9 + 9))$

- 9348 := $(1+1+1+111) \times (1+(11-1-1)^{1+1})$
:= $2 + ((222 \times ((2 \times 22) - 2)) + 22)$
:= $(3 \times (3333 - (3+3)^3)) - 3$
:= $(4 \times (((4-4/4) + 4)^4)) - 4^4$
:= $(5 - (5+5)/5) \times ((5/5 - 5 - 5) + 5^5)$
:= $66 + (6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - 6)$
:= $(77 + 7)/7 \times (((7+7)/7) + 777)$
:= $8 \times 8/(8+8) + ((8+8) \times (8 \times (8 \times 8 + 8) + 8))$
:= $(9/9 + 9 \times 9) \times (((999 + 9 + 9) + 9)/9)$
- 9349 := $1 + ((1+1+1+111) \times (1+(11-1-1)^{1+1}))$
:= $2 \times 2 \times 22 + ((22 - 2/2)^{2/2+2})$
:= $((3^3 + 3/3) \times (333 + 3/3)) - 3$
:= $4/4 + ((4 \times (((4-4/4) + 4)^4)) - 4^4)$
:= $5^5 + ((5^5 - (5 \times 5 + 5/5)) + 5^5)$
:= $((6+6) \times ((6+6) \times (66 - 6/6))) - 66/6$
:= $7 + (((77/7 \times ((77 \times 77 + 7)/7)) + 7) + 7)$
:= $8 + (((8+8) \times (8 \times (8 \times 8 + 8) + 8)) - (88/8) + 8)$
:= $(9 \times (9 - 9 \times 9)) + (9999 - (9+9)/9)$
- 9350 := $11 \times (11^{1+1} + (11-1-1)^{1+1+1})$
:= $22 \times (((22 - 2/2)^2) - 2^{2+2})$
:= $33 + ((3/3 + 3 + 3) \times (33/3)^3)$
:= $((4-4/4)^4 + 4) \times (444 - 4)/4$
:= $5 \times ((5 \times (5 \times (5 \times (5+5+5)))) - 5)$
:= $6 + (((6+6)/6 + 6 + 6) \times (666 + 6/6)) + 6)$
:= $(7/7 + 77 + 7) \times (777 - 7)/7$
:= $8 + (((8+8) \times (8 \times (8 \times 8 + 8) + 8)) - ((8+8)/8))$
:= $(9 \times (9 - 9 \times 9)) + (9999 - 9/9)$
- 9351 := $1 + (11 \times (11^{1+1} + (11-1-1)^{1+1+1}))$
:= $2 + (((22 - 2/2)^{2/2+2}) + 2 \times 2 \times 22)$
:= $3 \times (3333 - (3+3)^3)$
:= $(4/4 + 4 + 4) \times (4 \times (4^4 + 4) - 4/4)$
:= $5^5 + (((5/5 - 5 \times 5) + 5^5) + 5^5)$
:= $((6 \times 6/(6+6)) \times (((6-6/6)^{6-6/6} - 6)) - 6)$
:= $7 + (((7+7)/7)^7 \times ((77 - 77/7) + 7))$
:= $8 + (((8+8) \times (8 \times (8 \times 8 + 8) + 8)) - 8/8)$
:= $(9 \times (9 - 9 \times 9)) + 9999$
- 9352 := $(1+1) \times (1+1+1+11) \times (1+(1+1+1) \times 111)$
:= $2 \times (2 \times ((2 \times 22 + 2)^2 + 222))$
:= $(3^3 + 3/3) \times (333 + 3/3)$
:= $4 + ((4 \times (((4-4/4) + 4)^4)) - 4^4)$
:= $((5 - (5+5)/5) \times (5^5 - (5/5 + 5))) - 5$
:= $((6+6)/6)^6 + 6 \times 6 \times (6 \times (6 \times 6 + 6) + 6)$
:= $(7/7 + 7) \times ((7+7) \times (77 + 7) - 7)$
:= $8 + ((8+8) \times (8 \times (8 \times 8 + 8) + 8))$
:= $9/9 + ((9 \times (9 - 9 \times 9)) + 9999)$
- 9353 := $1 + ((1+1) \times (1+1+1+11) \times (1+(1+1+1) \times 111))$
:= $2/2 + (2 \times (2 \times ((2 \times 22 + 2)^2 + 222)))$
:= $3 + (((3/3 + 3 + 3) \times (33/3)^3) + 33)$
:= $4 + (((4 \times (((4-4/4) + 4)^4)) - 4^4) + 4/4)$
:= $5^5 + ((5+5)/5 \times (5^5 - (55/5)))$
:= $66 + (6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) - 6/6)$
:= $7/7 + ((7/7 + 7) \times ((7+7) \times (77 + 7) - 7))$
:= $8 + (((8+8) \times (8 \times (8 \times 8 + 8) + 8)) + 8/8)$
:= $(9+9)/9 + ((9 \times (9 - 9 \times 9)) + 9999)$
- 9354 := $(1+1) \times (1+(1+1+1+11) \times (1+(1+1+1) \times 111))$
:= $2 + (2 \times (2 \times ((2 \times 22 + 2)^2 + 222)))$
:= $3 + (3 \times (3333 - (3+3)^3))$
:= $4 + (((4-4/4)^4 + 4) \times (444 - 4)/4)$
:= $(5 - (5+5)/5) \times (5^5 - ((5+5)/5 + 5))$
:= $66 + 6 \times 6 \times (6 \times (6 \times 6 + 6) + 6)$
:= $7 \times 7 + (((77 + 7)/7 \times (777 - 7/7)) - 7)$
:= $8 + (((8+8) \times (8 \times (8 \times 8 + 8) + 8)) + ((8+8)/8))$
:= $9 \times 999 + (99 \times 99/(9+9+9))$
- 9355 := $11 + (((1+11)^{1+1+1+1}) - (1+1)^{11})/(1+1)$
:= $(2/2 + 2 + 2) \times (((2 \times 22) - 2/2)^2 + 22)$
:= $3 + ((3^3 + 3/3) \times (333 + 3/3))$
:= $((4^4 + 4) \times (4 \times (4+4) + 4)) - 4/4 - 4$
:= $((5+5+5) \times (5^5 - 5)/5) - 5$
:= $66 + (6 \times 6 \times (6 \times (6 \times 6 + 6) + 6) + 6/6)$
:= $7 + ((77 + 7)/7 \times (((7+7)/7) + 777))$
:= $88/8 + ((8+8) \times (8 \times (8 \times 8 + 8) + 8))$
:= $9 \times 99 + (((99/9) + 9 \times 9)^{(9+9)/9})$
- 9356 := $((111-1)^{1+1}) - (1+1+1+11)^{1+1+1}$
:= $2 \times ((2 \times ((2 \times 22 + 2)^2 + 222)) + 2)$
:= $33 + ((333 \times (3^3 + 3/3)) - 3/3)$
:= $((4^4 + 4) \times (4 \times (4+4) + 4)) - 4$
:= $5/5 + (((5+5+5) \times (5^5 - 5)/5) - 5)$
:= $(6 - ((6+6)/6)) \times (6 \times (6 \times 66 - 6) - 6/6)$
:= $(77/7 \times (((77 \times 77 + 7)/7) + 7)) - 7 \times 7$
:= $((88 + 8)/8) + ((8+8) \times (8 \times (8 \times 8 + 8) + 8))$
:= $99 \times 99 + ((9 - 9 \times 9 \times 99)/(9+9))$
- 9357 := $(11 \times (1 + (1 + 11 \times 111))) - ((1+1)^{1+1+1})$
:= $((22/2)^2 - 22)^2 - 2 \times 222$
:= $33 + (333 \times (3^3 + 3/3))$
:= $4/4 + (((4^4 + 4) \times (4 \times (4+4) + 4)) - 4)$
:= $(5 - (5+5)/5) \times (5^5 - (5/5 + 5))$
:= $(6 \times 6/(6+6)) \times (((6-6/6)^{6-6/6} - 6))$
:= $7 + ((7/7 + 77 + 7) \times (777 - 7)/7)$
:= $88 + ((8 \times ((8+8) \times (8 \times 8 + 8) + 8)) - (88/8))$
:= $(9 \times (9 \times (99 + 9 + 9))) - (999/9 + 9)$
- 9358 := $((11-1) \times (1+1)^{11}) - (11+11111)$
:= $((2-22) \times (2^{2+2} - 22^2)) - 2$
:= $3 + (((3^3 + 3/3) \times (333 + 3/3)) + 3)$
:= $((4^4 + 4) \times (4 \times (4+4) + 4)) - (4+4)/4$
:= $((5+5+5) \times (5^5 - 5)/5) - (5+5)/5$
:= $((6+6)/6) \times (((6+6) \times (6 \times 66 - 6)) - 6/6)$
:= $77 \times 77 + (7 \times 7 \times (77 - 7) - 7/7)$
:= $8 + (((8+8) \times (8 \times (8 \times 8 + 8) + 8)) - ((8+8)/8) + 8)$
:= $((9+9) \times (((9+9)/9)^9 + 9)) - (99/9 + 9)$
- 9359 := $((11-1) \times ((1+1)^{11} - 1)) - 11111$
:= $((2-22) \times (2^{2+2} - 22^2)) - 2/2$
:= $3 \times 33 + (((3 \times (3+3)) + 3)^3) - 3/3$
:= $((4^4 + 4) \times (4 \times (4+4) + 4)) - 4/4$
:= $((5+5+5) \times (5^5 - 5)/5) - 5/5$
:= $((6+6) \times ((6+6) \times (66 - 6/6))) - 6/6$
:= $7 \times (((7 \times ((7+7) \times (7+7) - 7)) + 7) + 7)$
:= $8 + (((8+8) \times (8 \times (8 \times 8 + 8) + 8)) - 8/8 + 8)$
:= $((99 + 9 + 9) \times (9 \times 9 - 9/9)) - 9/9$
- 9360 := $(11-1) \times ((1+1)^{11} - (1+1111))$
:= $(2-22) \times (2^{2+2} - 22^2)$
:= $3 \times 33 + (((3 \times (3+3)) + 3)^3)$
:= $(4^4 + 4) \times (4 \times (4+4) + 4)$
:= $(5+5+5) \times (5^5 - 5)/5$
:= $(6+6) \times ((6+6) \times (66 - 6/6))$
:= $(7 \times 7 - 7/7) \times ((7+7) \times (7+7) - 7/7)$
:= $8 + (((8+8) \times (8 \times (8 \times 8 + 8) + 8)) + 8)$
:= $(99 + 9 + 9) \times (9 \times 9 - 9/9)$
- 9361 := $1 + ((11-1) \times ((1+1)^{11} - (1+1111)))$
:= $2/2 + ((2-22) \times (2^{2+2} - 22^2))$
:= $3/3 + (((3 \times (3+3)) + 3)^3) + 3 \times 33$
:= $4/4 + ((4^4 + 4) \times (4 \times (4+4) + 4))$
:= $5/5 + ((5+5+5) \times (5^5 - 5)/5)$
:= $6/6 + ((6+6) \times ((6+6) \times (66 - 6/6)))$
:= $7 \times 7 + ((77 + 7)/7 \times (777 - 7/7))$
:= $8 + (((8+8) \times (8 \times (8 \times 8 + 8) + 8)) + 8/8 + 8)$
:= $9/9 + ((99 + 9 + 9) \times (9 \times 9 - 9/9))$
- 9362 := $1 + (1 + ((11-1) \times ((1+1)^{11} - (1+1111))))$
:= $2 + ((2-22) \times (2^{2+2} - 22^2))$
:= $3 + (((3 \times (3+3)) + 3)^3) - 3/3 + 3 \times 33$
:= $(4+4)/4 + ((4^4 + 4) \times (4 \times (4+4) + 4))$
:= $5 + ((5 - (5+5)/5) \times (5^5 - (5/5 + 5)))$
:= $(6+6)/6 + ((6+6) \times ((6+6) \times (66 - 6/6)))$
:= $7 + (((77 + 7)/7 \times ((7+7)/7) + 777)) + 7$
:= $(8 \times 8 - ((8+8)/8)) \times ((88 - 8/8) + 8 \times 8)$
:= $(9+9)/9 + ((99 + 9 + 9) \times (9 \times 9 - 9/9))$

- 9363 := $(1+1)^{11} + (11 \times ((11^{1+1+1} - 1)/(1+1)))$
:= $2 + (((2-22) \times (2^{2+2} - 22^2)) + 2/2)$
:= $3 + (((3 \times (3+3) + 3)^3) + 3 \times 33)$
:= $4 + (((4^4 + 4) \times (4 \times (4+4) + 4)) - 4/4)$
:= $(5 - (5+5)/5) \times ((5/5 - 5) + 5^5)$
:= $6 + ((6 \times 6/(6+6)) \times (((6-6/6)^{6-6/6}) - 6))$
:= $77/7 + ((7/7 + 7) \times ((7+7) \times (77+7) - 7))$
:= $8 + (((8+8) \times (8 \times (8 \times 8 + 8) + 8)) + (88/8))$
:= $9 + ((99 \times 99/(9+9+9)) + 9 \times 999)$
- 9364 := $(1+1) \times (((11 + (11-1)) \times (1 + (1+1) \times 111)) - 1)$
:= $22^2 + (2 \times (2 \times (2222 - 2)))$
:= $3 + (((3 \times (3+3) + 3)^3) + 3 \times 33) + 3/3$
:= $4 + ((4^4 + 4) \times (4 \times (4+4) + 4))$
:= $5^5 + ((5^5 - (55/5)) + 5^5)$
:= $(6 - ((6+6)/6)) \times (6 \times (6 \times 66 - 6) + 6/6)$
:= $7 + (((7/7 + 77 + 7) \times (777 - 7)/7) + 7)$
:= $8888 + (88 \times 88/(8+8) - 8)$
:= $9 + (((99/9) + 9 \times 9)^{(9+9)/9}) + 9 \times 99$
- 9365 := $((1+1) \times ((11 + (11-1)) \times (1 + (1+1) \times 111))) - 1$
:= $((2 \times 2 \times (22 + 2) + 2/2)^2) - (2 \times 22)$
:= $3^3 + ((3/3 + 3 + 3) \times ((33/3)^3 + 3))$
:= $4 + (((4^4 + 4) \times (4 \times (4+4) + 4)) + 4/4)$
:= $5 + ((5+5+5) \times (5^5 - 5)/5)$
:= $6 + (((6+6) \times ((6+6) \times (66 - 6/6))) - 6/6)$
:= $7 \times 7 + ((77 \times ((7+7)/7)^7 - 7) - 7/7)$
:= $8888 + ((8/8 + 8) \times (8 \times 8 - 88/8))$
:= $(9 \times (9 \times (99 + 9 + 9))) - ((999 + 9)/9)$
- 9366 := $(1+1) \times ((11 + (11-1)) \times (1 + (1+1) \times 111))$
:= $((2 \times 22) - 2) \times (222 + 2/2)$
:= $3 + (((3 \times (3+3) + 3)^3) + 3 \times 33) + 3$
:= $4 + (((4^4 + 4) \times (4 \times (4+4) + 4)) + (4+4)/4)$
:= $5 + (((5+5+5) \times (5^5 - 5)/5) + 5/5)$
:= $6 + ((6+6) \times ((6+6) \times (66 - 6/6)))$
:= $7 \times ((77/7)^{(7+7)/7} + 7)$
:= $88 + ((8 \times ((8+8) \times (8 \times 8 + 8) + 8)) - ((8+8)/8))$
:= $(9 \times (9 \times (99 + 9 + 9))) - 999/9$
- 9367 := $1 + ((1+1) \times ((11 + (11-1)) \times (1 + (1+1) \times 111)))$
:= $2/2 + (((2 \times 22) - 2) \times (222 + 2/2))$
:= $3 + (((3 \times (3+3) + 3)^3) + 3 \times 33) + 3/3 + 3$
:= $((44/4 + 4) \times (4/4 + 4)^4) - 4 - 4$
:= $((5 - (5+5)/5) \times (5^5 - 5/5)) - 5$
:= $6 + (((6+6) \times ((6+6) \times (66 - 6/6))) + 6/6)$
:= $7 + ((7 \times 7 - 7/7) \times ((7+7) \times (7+7) - 7/7))$
:= $88 + ((8 \times ((8+8) \times (8 \times 8 + 8) + 8)) - 8/8)$
:= $((9+9) \times (((9+9)/9)^9 + 9)) - 99/9$
- 9368 := $(1+1)^{11} + (((11^{1+1+1+1} - 1)/(1+1))$
:= $2 + (((2 \times 22) - 2) \times (222 + 2/2))$
:= $(3/3 + 3) \times (((33 \times ((3+3)^3 - 3) - 3)/3)$
:= $4 + (((4^4 + 4) \times (4 \times (4+4) + 4)) + 4)$
:= $5 + ((5 - (5+5)/5) \times ((5/5 - 5) + 5^5))$
:= $((6+6) \times (66 \times (6+6) - 6)) - ((6+6)/6)^6$
:= $7 + (((77 + 7)/7 \times (777 - 7/7)) + 7 \times 7)$
:= $88 + (8 \times ((8+8) \times (8 \times 8 + 8) + 8))$
:= $((9+9) \times (((9+9)/9)^9 + 9)) - 9/9 - 9$
- 9369 := $((11-1) \times (1+1)^{11}) - 11111$
:= $2 + (((2 \times 22) - 2) \times (222 + 2/2)) + 2/2$
:= $3 \times (3 \times (3 \times (333 + 3) + 33))$
:= $(4/4 + 4 + 4) \times (4 \times (4^4 + 4) + 4/4)$
:= $5^5 + ((5^5 - (5/5 + 5)) + 5^5)$
:= $((6 \times 6/(6+6)) \times ((6-6/6)^{6-6/6}) - 6)$
:= $((7+7)/7 + 7) \times ((7777/7 - 77) + 7)$
:= $8/8 + ((8 \times ((8+8) \times (8 \times 8 + 8) + 8)) + 88)$
:= $((9+9) \times (((9+9)/9)^9 + 9)) - 9$
- 9370 := $(11-1) \times ((1+1)^{11} - 1111)$
:= $22^2 + ((2 \times (2 \times 2222)) - 2)$
:= $3/3 + (((3 \times (3+3) + 3)^3) + (3 \times (33 + 3)))$
:= $44 + ((44 \times (4^4 - 44)) - (4+4)/4)$
:= $5^5 + (5^5 - 5 + 5^5)$
:= $6 + ((6 - ((6+6)/6)) \times (6 \times (6 \times 66 - 6) + 6/6))$
:= $7 \times 7 + ((77/7 \times ((77 \times 77 + 7)/7)) - 7)$
:= $8 + ((8 \times 8 - ((8+8)/8)) \times ((88 - 8/8) + 8 \times 8))$
:= $9/9 + (((9+9) \times (((9+9)/9)^9 + 9)) - 9)$
- 9371 := $1 + ((11-1) \times ((1+1)^{11} - 1111))$
:= $22^2 + ((2 \times (2 \times 2222)) - 2/2)$
:= $((333 - 3)/3) + (((3 \times (3+3) + 3)^3)$
:= $((44/4 + 4) \times (4/4 + 4)^4) - 4$
:= $5^5 + ((5^5 - 5 + 5^5) + 5/5)$
:= $66/6 + ((6+6) \times ((6+6) \times (66 - 6/6)))$
:= $7 \times 7 + (((7+7)/7 + 77) \times (777/7 + 7))$
:= $8 + (((8+8) \times (8 \times (8 \times 8 + 8) + 8)) + (88/8) + 8)$
:= $(9+9)/9 + (((9+9) \times (((9+9)/9)^9 + 9)) - 9)$
- 9372 := $111 + ((11 + (11-1))^{1+1+1})$
:= $22 \times ((2 \times (222 + 2)) - 22)$
:= $333/3 + (((3 \times (3+3) + 3)^3)$
:= $44 + (44 \times (4^4 - 44))$
:= $(5 - (5+5)/5) \times (5^5 - 5/5)$
:= $66 \times ((6+6) \times (6+6) - ((6+6)/6))$
:= $7 \times 7 + ((777 \times (77 + 7)/7) - 7/7)$
:= $8888 + 88 \times 88/(8+8)$
:= $(999999/99) - 9 \times 9 \times 9$
- 9373 := $1 + (111 + ((11 + (11-1))^{1+1+1}))$
:= $2/2 + ((2 \times (2 \times 2222)) + 22^2)$
:= $((333 + 3)/3) + (((3 \times (3+3) + 3)^3)$
:= $44 + ((44 \times (4^4 - 44)) + 4/4)$
:= $5^5 + ((5^5 - ((5+5)/5)) + 5^5)$
:= $6/6 + (66 \times ((6+6) \times (6+6) - ((6+6)/6)))$
:= $7 \times 7 + (777 \times (77 + 7)/7)$
:= $(8 - 8/8) \times (((88/8)^{88/8-8}) + 8)$
:= $9999/9 + 9 \times (999 - 9 \times 9)$
- 9374 := $1 + (1 + (111 + ((11 + (11-1))^{1+1+1})))$
:= $2 + ((2 \times (2 \times 2222)) + 22^2)$
:= $3 + (((333 - 3)/3) + (((3 \times (3+3) + 3)^3))$
:= $((44/4 + 4) \times (4/4 + 4)^4) - 4/4$
:= $5^5 + ((5^5 - 5/5) + 5^5)$
:= $(6 \times 6 + 6/6 + 6) \times (6 \times 6 \times 6 + (6+6)/6)$
:= $7/7 + ((777 \times (77 + 7)/7) + 7 \times 7)$
:= $(88 - ((8+8)/8)) \times ((888 - 8 - 8)/8)$
:= $9 + ((9 \times (9 \times (99 + 9 + 9))) - ((999 + 9)/9))$
- 9375 := $(1+1+1) \times ((1 + (1+1+1+1))^{1+1+1+1+1})$
:= $(2/2 + 2) \times ((2/2 + 2 + 2)^{2/2+2+2})$
:= $3 \times ((3 - 3/3 + 3)^{3-3/3+3})$
:= $(44/4 + 4) \times (4/4 + 4)^4$
:= $5^5 + (5^5 + 5^5)$
:= $(6 \times 6/(6+6)) \times ((6-6/6)^{6-6/6})$
:= $(77 - (7+7)/7) \times (777/7 + 7 + 7)$
:= $8 + (((8 \times ((8+8) \times (8 \times 8 + 8) + 8)) - 8/8) + 88)$
:= $9 + ((9 \times (9 \times (99 + 9 + 9))) - 999/9)$
- 9376 := $1 + ((1+1+1) \times ((1 + (1+1+1+1))^{1+1+1+1+1}))$
:= $22^2 + (2 \times ((2 \times 2222) + 2))$
:= $3 + (((333 + 3)/3) + (((3 \times (3+3) + 3)^3))$
:= $4 + ((44 \times (4^4 - 44)) + 44)$
:= $5^5 + ((5^5 + 5^5) + 5/5)$
:= $66 + (((6+6)/6 + 6 + 6) \times (666 - 6/6))$
:= $(77/7 \times ((77 \times 77 - 7)/7) + 7) - 7$
:= $8 + ((8 \times ((8+8) \times (8 \times 8 + 8) + 8)) + 88)$
:= $((9+9) \times (((9+9)/9)^9 + 9)) - (9+9)/9$
- 9377 := $((111 \times (1+1+1))^{1+1} - 1)/(1+1) - 1 - 1$
:= $2 + ((2/2 + 2) \times ((2/2 + 2 + 2)^{2/2+2+2}))$
:= $(33/3)^3 + (3 \times (3 \times ((33 \times 3^3) + 3)))$
:= $((4 - 4/4)^{4+4}) + (4 \times 4 \times 4 \times 44)$
:= $5 + ((5 - (5+5)/5) \times (5^5 - 5/5))$
:= $666 + (66 \times (66 + 66) - 6/6)$
:= $7 \times 7 + (77/7 \times ((77 \times 77 + 7)/7))$
:= $(88/8 - 8)^8 + (88 \times ((8+8+8) + 8))$
:= $((9+9) \times (((9+9)/9)^9 + 9)) - 9/9$

$$\begin{aligned}
\blacktriangleright 9378 &:= (((111 \times (1 + 1 + 11)^{1+1}) - 1) / (1 + 1)) - 1 \\
&:= ((22 + 2) \times (22 - 2)^2) - 222 \\
&:= 3 + (3 \times ((3 - 3/3 + 3)^{3-3/3+3})) \\
&:= 4 + (((44/4 + 4) \times (4/4 + 4)^4) - 4/4) \\
&:= (5 - (5 + 5)/5) \times (5^5 + 5/5) \\
&:= 666 + 66 \times (66 + 66) \\
&:= (77/7 + 7) \times (7 \times 77 - (77/7 + 7)) \\
&:= (((8 + 8)/8) + 8) \times ((8 \times 8 + 8 + 8/8) + 8) \\
&:= (9 + 9) \times (((9 + 9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9379 &:= ((111 \times (1 + 1 + 11)^{1+1}) - 1) / (1 + 1) \\
&:= (222/2 + 2) \times ((2/2 + 2)^{2+2} + 2) \\
&:= 3^3 + ((3^3 + 3/3) \times (333 + 3/3)) \\
&:= 4 + ((44/4 + 4) \times (4/4 + 4)^4) \\
&:= 5 + (((5^5 - 5/5) + 5^5) + 5^5) \\
&:= 6/6 + (66 \times (66 + 66) + 666) \\
&:= (77 - 7/7 + 7) \times (777 + 7 + 7/7) \\
&:= 8 \times 8 + ((8/8 + 8) \times (8 \times 8 + (8 + 8) + (88/8))) \\
&:= 9/9 + ((9 + 9) \times (((9 + 9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9380 &:= (11 - 1) \times (1 + ((1 + 1)^{11} - 1111)) \\
&:= 22^2 + (2 \times 2 \times (2222 + 2)) \\
&:= (3/3 + 3 + 3) \times ((33/3)^3 + 3 \times 3) \\
&:= 4 + (((44 \times (4^4 - 44)) + 44) + 4) \\
&:= 5 + ((5^5 + 5^5) + 5^5) \\
&:= 6 + ((6 \times 6 + 6/6 + 6) \times (6 \times 6 \times 6 + (6 + 6)/6)) \\
&:= 7 + ((777 \times (77 + 7)/7) + 7 \times 7) \\
&:= 8 + (88 \times 88 / (8 + 8) + 8888) \\
&:= (9 + 9)/9 + ((9 + 9) \times (((9 + 9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9381 &:= 1 + ((11 - 1) \times (1 + ((1 + 1)^{11} - 1111))) \\
&:= 2 + ((222/2 + 2) \times ((2/2 + 2)^{2+2} + 2)) \\
&:= ((3^3 + 3/3) \times (333 + 3)) - 3^3 \\
&:= (4^4 - 44)/4 \times (4 \times 44 + 4/4) \\
&:= 5 + (((5^5 + 5^5) + 5^5) + 5/5) \\
&:= 6 + ((6 \times 6 / (6 + 6)) \times ((6 - 6/6)^{6-6/6})) \\
&:= 7 + (((777 \times (77 + 7)/7) + 7 \times 7) + 7/7) \\
&:= 8 \times 8 + (8888 - (88/8 + 8)) \\
&:= 999/9 + (9999 - 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9382 &:= 11^{1+1} + ((11 + (11 - 1))^{1+1+1}) \\
&:= ((2 \times 2 \times (22 + 2) + 2)^2) - 222 \\
&:= (((3 \times (3 + 3)) + 3)^3) + ((33/3)^{3-3/3}) \\
&:= 4 + (((44/4 + 4) \times (4/4 + 4)^4) - 4/4) + 4 \\
&:= 5 + (((5 - (5 + 5)/5) \times (5^5 - 5/5)) + 5) \\
&:= ((6 + 6)/6) \times (((6 + 6) \times (6 \times 66 - 6)) + (66/6)) \\
&:= 7 + ((77 - (7 + 7)/7) \times (777/7 + 7 + 7)) \\
&:= 8 + ((88 - ((8 + 8)/8)) \times ((888 - 8 - 8/8) + 8)) \\
&:= ((99 - ((9 + 9)/9))^{(9+9)/9}) - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9383 &:= 11111 - ((1 + 11)^{1+1+1}) \\
&:= 2/2 + (((2 \times 2 \times (22 + 2) + 2)^2) - 222) \\
&:= 33333/3 - (3 \times 3 + 3)^3 \\
&:= 4 + (((44/4 + 4) \times (4/4 + 4)^4) + 4) \\
&:= 5 + ((5 - (5 + 5)/5) \times (5^5 + 5/5)) \\
&:= 66/6 \times ((6 \times (6 + 6) \times (6 + 6)) - (66/6)) \\
&:= 77/7 \times (((77 \times 77 - 7)/7) + 7) \\
&:= 8 \times 8 \times 8 + (8888 - (8/8 + 8 + 8)) \\
&:= 99/9 \times (9 \times 99 - ((99/9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9384 &:= 1 + (11111 - ((1 + 11)^{1+1+1})) \\
&:= (2 + 2 + 2) \times (2^{22/2} - 22^2) \\
&:= 3 \times (((3 - 3/3 + 3)^{3-3/3+3}) + 3) \\
&:= (4 \times (((4 - 4/4) + 4)^4) - 44) - 44 \\
&:= 5 + (((5^5 - 5/5) + 5^5) + 5^5) + 5 \\
&:= 6 + (66 \times (66 + 66) + 666) \\
&:= (77 + 7)/7 \times ((777 - ((7 + 7)/7)) + 7) \\
&:= 8 \times 8 \times 8 + (8888 - (8 + 8)) \\
&:= ((99/9) + 9 \times 9) \times (999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9385 &:= 1 + (1 + (11111 - ((1 + 11)^{1+1+1}))) \\
&:= ((22/2 + 2)^2) + (2 \times 2 \times (22 + 2))^2 \\
&:= 33 + ((3^3 + 3/3) \times (333 + 3/3)) \\
&:= 4 + ((4^4 - 44)/4 \times (4 \times 44 + 4/4)) \\
&:= 5 + (((5^5 + 5^5) + 5^5) + 5) \\
&:= 6 + ((66 \times (66 + 66) + 666) + 6/6) \\
&:= 7 \times 7 + ((77 + 7)/7 \times (777 + 7/7)) \\
&:= 8/8 + ((8888 - (8 + 8)) + 8 \times 8 \times 8) \\
&:= (9 \times ((9 \times (99 + 9 + 9)) - 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9386 &:= 1 + (1 + (1 + (11111 - ((1 + 11)^{1+1+1})))) \\
&:= (22 + 2 + 2) \times ((22 - (2/2 + 2))^2) \\
&:= (3 - 3/3 + 3)^3 + (((3 \times (3 + 3)) + 3)^3) \\
&:= 44/4 + ((44/4 + 4) \times (4/4 + 4)^4) \\
&:= 5^5 + ((55/5 + 5^5) + 5^5) \\
&:= (6/6 + 6 + 6) \times ((6 + 6) \times (66 - 6) + ((6 + 6)/6)) \\
&:= (77 \times (777 + 77)/7) - (7/7 + 7) \\
&:= 8 + (((8 + 8)/8) + 8) \times ((8 \times 8 \times 8 + 8/8) + 8) \\
&:= 9 + (((9 + 9) \times (((9 + 9)/9)^9 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9387 &:= (11 + (11 - 1)) \times (1 + ((1 + 1) \times (1 + (1 + 1) \times 111))) \\
&:= ((2 \times 2 \times (22 + 2) + 2/2)^2) - 22 \\
&:= 3 \times ((3 \times (3 \times 333 + 33)) + 33) \\
&:= (4 - 4/4) \times (((4/4 + 4)^{4+4/4}) + 4) \\
&:= (5 - (5 + 5)/5) \times ((5^5 - 5/5) + 5) \\
&:= 66 \times (6 + 6) \times (6 + 6) - (666/6 + 6) \\
&:= (77 \times (777 + 77)/7) - 7 \\
&:= (8/8 + 8) \times ((8 \times 8 \times (8 + 8) + (88/8)) + 8) \\
&:= 9 + ((9 + 9) \times (((9 + 9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9388 &:= 1 + ((11 + (11 - 1)) \times (1 + ((1 + 1) \times (1 + (1 + 1) \times 111)))) \\
&:= 2 + ((22 + 2 + 2) \times ((22 - (2/2 + 2))^2)) \\
&:= ((3/3 + 3)^3) + (333 \times (3^3 + 3/3)) \\
&:= 4 \times 4 + ((44 \times (4^4 - 44)) + 44) \\
&:= 5 + (((5 - (5 + 5)/5) \times (5^5 + 5/5)) + 5) \\
&:= ((6 + 6)/6)^6 + (6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) \\
&:= 7/7 + ((77 \times (777 + 77)/7) - 7) \\
&:= 8 \times 8 \times 8 + (8888 - ((88 + 8)/8)) \\
&:= 9 + (((9 + 9) \times (((9 + 9)/9)^9 + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9389 &:= ((11 - 1) \times (1 + (1 + (1 + 1)^{11}))) - 11111 \\
&:= 2 + (((2 \times 2 \times (22 + 2) + 2/2)^2) - 22) \\
&:= 3 + ((3 - 3/3 + 3)^3 + (((3 \times (3 + 3)) + 3)^3)) \\
&:= (4^4 + 4)/4 + ((44 \times (4^4 - 44)) - 4) \\
&:= ((5 + 5 + 5) \times (5^5 + 5/5)) - 5/5 \\
&:= 66 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) - 6/6) \\
&:= 77 + ((77 + 7)/7 \times (777 - 7/7)) \\
&:= 8 \times 8 \times 8 + (8888 - (88/8)) \\
&:= 99/9 + ((9 + 9) \times (((9 + 9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9390 &:= (11 - 1) \times (1 + (1 + ((1 + 1)^{11} - 1111))) \\
&:= (2 \times (2 \times (((2 \times (22 + 2))^2) + 2 \times 22))) - 2 \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) + 3 \times 33 + 3^3 \\
&:= (44/4 + 4) \times ((4/4 + 4)^4 + 4/4) \\
&:= (5 + 5 + 5) \times (5^5 + 5/5) / 5 \\
&:= 66 + (6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) \\
&:= 7 + (77/7 \times ((77 \times 77 - 7)/7) + 7) \\
&:= 8 \times 8 \times 8 + ((8 - 88)/8 + 8888) \\
&:= (99 + 9)/9 + ((9 + 9) \times (((9 + 9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9391 &:= ((1 + 1)^{1+1+1+1}) + (11 \times (111 - 1 - 1)) \\
&:= 2 + (((2 \times 2 \times (22 + 2) + 2/2)^2) - 22) + 2 \\
&:= 3 + ((333 \times (3^3 + 3/3)) + ((3/3 + 3)^3)) \\
&:= 4 \times 4 + ((44/4 + 4) \times (4/4 + 4)^4) \\
&:= 5/5 + ((5 + 5 + 5) \times (5^5 + 5/5) / 5) \\
&:= 66 + ((6 \times 6 + 6) \times (6 \times 6 \times 6 + 6) + 6/6) \\
&:= 7 + ((77 + 7)/7 \times ((777 - ((7 + 7)/7)) + 7)) \\
&:= 8 \times 8 \times 8 + (8888 - (8/8 + 8)) \\
&:= ((99 - ((9 + 9)/9))^{(9+9)/9}) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9392 &:= 1 + (((1 + 1)^{1+1+1+1}) + (11 \times (111 - 1 - 1))) \\
&:= 2 \times (2 \times (((2 \times (22 + 2))^2) + 2 \times 22)) \\
&:= 3 + (((3 - 3/3 + 3)^3 + (((3 \times (3 + 3)) + 3)^3)) + 3) \\
&:= 4 \times ((4^4 \times (4 + 4) + 4^4) + 44) \\
&:= 5 + ((5 - (5 + 5)/5) \times ((5^5 - 5/5) + 5)) \\
&:= 66 \times (6 + 6) \times (6 + 6) - (666 + 6)/6 \\
&:= (7/7 + 7) \times ((7 + 7) \times (77 + 7) - ((7 + 7)/7)) \\
&:= 8 \times 8 \times 8 + (8888 - 8) \\
&:= 9/9 + (((99 - ((9 + 9)/9))^{(9+9)/9}) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9393 &:= (11 \times (1 + 11)) + ((11 + (11 - 1))^{1+1+1}) \\
&:= ((2 \times 2 \times (22 + 2) + 2/2)^2) - 2^{2+2} \\
&:= 33 + (((3 \times (3 + 3)) + 3)^3) + 3 \times 33 \\
&:= (4^4 + 4)/4 + (44 \times (4^4 - 44)) \\
&:= (5 - (5 + 5)/5) \times ((5^5 + 5/5) + 5) \\
&:= 66 \times (6 + 6) \times (6 + 6) - 666/6 \\
&:= (77 \times (777 + 77)/7) - 7/7 \\
&:= 8/8 + ((8888 - 8) + 8 \times 8 \times 8) \\
&:= 9 + (((99/9) + 9 \times 9) \times (999/9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9394 &:= 11 + (11111 - ((1 + 11)^{1+1+1})) \\
&:= 2 + (2 \times (2 \times ((2 \times (22 + 2))^2) + 2 \times 22)) \\
&:= 33/3 \times ((3 - 3/3 + 3)^3 + 3^{3+3}) \\
&:= 4 + ((44/4 + 4) \times ((4/4 + 4)^4 + 4/4)) \\
&:= 5 + (((5 + 5 + 5) \times (5^5 + 5/5) - 5/5) \\
&:= ((6 - 666)/6) + 66 \times (6 + 6) \times (6 + 6) \\
&:= 77 \times (777 + 77)/7 \\
&:= 8 \times 8 \times 8 + ((8888 - 8) + ((8 + 8)/8)) \\
&:= (9 \times ((9 \times (99 + 9 + 9)) - 9)) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9395 &:= 1 + (11 + (11111 - ((1 + 11)^{1+1+1}))) \\
&:= 2 + (((2 \times 2 \times (22 + 2) + 2/2)^2) - 2^{2+2}) \\
&:= (33/3)^3 + ((3^3 - 3) \times (333 + 3)) \\
&:= 4 + (((44/4 + 4) \times (4/4 + 4)^4) + 4 \times 4) \\
&:= 5 + ((5 + 5 + 5) \times (5^5 + 5/5)) \\
&:= ((6 + 6) \times (66 \times (6 + 6) - 6)) - (6 \times 6 + 6/6) \\
&:= 7/7 + (77 \times (777 + 77)/7) \\
&:= 8 + ((8/8 + 8) \times ((8 \times 8 \times (8 + 8) + (88/8)) + 8)) \\
&:= (9 \times ((9 \times (99 + 9 + 9)) - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9396 &:= (1 + 11) \times (((1 + (1 + 1 + 1))^{1+1+1})^{1+1}) - 1 \\
&:= 2 \times ((2 \times ((2 \times (22 + 2))^2) + 2 \times 22)) + 2 \\
&:= 3 \times ((33 + 3) \times (3 \times 3^3 + 3 + 3)) \\
&:= (4/4 + 4 + 4) \times (4 \times (4^4 + 4) + 4) \\
&:= 5 + (((5 + 5 + 5) \times (5^5 + 5/5) + 5/5) \\
&:= (66 - 6 - 6) \times (6 \times (6 \times 6 - 6) - 6) \\
&:= (77 + 7)/7 \times ((777 - 7/7) + 7) \\
&:= 8 \times 8 \times 8 + (8888 - 8 \times 8/(8 + 8)) \\
&:= 9 \times ((9 \times (99 + 9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9397 &:= ((111 - (1 + (1 + 1 + 11)))^{1+1}) - 1 - 11 \\
&:= (((2 \times 22) - 2) \times (222 + 2)) - 22/2 \\
&:= 3/3 + (3 \times ((33 + 3) \times (3 \times 3^3 + 3 + 3))) \\
&:= 4 + ((44 \times (4^4 - 44)) + (4^4 + 4)/4) \\
&:= 5 \times 5 + ((5 - (5 + 5)/5) \times (5^5 - 5/5)) \\
&:= 6/6 + ((66 - 6 - 6) \times (6 \times (6 \times 6 - 6) - 6)) \\
&:= ((7 + 7) \times ((7 + 7) \times (7 \times 7 - 7/7))) - 77/7 \\
&:= 8 + ((8888 - (88/8)) + 8 \times 8 \times 8) \\
&:= 9/9 + (9 \times ((9 \times (99 + 9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9398 &:= ((111 - (1 + (1 + 1 + 11)))^{1+1}) - 11 \\
&:= (2^{2 \times (2+2)} - 2) \times ((2 + 2 + 2)^2 + 2/2) \\
&:= 3 \times 3^3 + ((3/3 + 3 + 3) \times (33/3)^3) \\
&:= (4 + 4)/4 \times ((4444 - 4/4) + 4^4) \\
&:= 5 + ((5 - (5 + 5)/5) \times ((5^5 + 5/5) + 5)) \\
&:= (6 \times 6 + 6/6) \times (6 \times (6 \times 6 + 6) + ((6 + 6)/6)) \\
&:= ((7 \times (7 + 7) - 7/7)^{(7+7)/7}) - 77/7 \\
&:= 8 \times 8 \times 8 + (8888 - ((8 + 8)/8)) \\
&:= (9 + 9)/9 + (9 \times ((9 \times (99 + 9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9399 &:= 1 + (((111 - (1 + (1 + 1 + 11)))^{1+1}) - 11) \\
&:= (22^2 - 2)/2 \times (2 \times (22 - 2) - 2/2) \\
&:= 3 + (3 \times ((33 + 3) \times (3 \times 3^3 + 3 + 3))) \\
&:= (4 - 4/4) \times (((4/4 + 4)^4 + 4/4) + 4) + 4 \\
&:= 5 \times 5 + (((5^5 - 5/5) + 5^5) + 5^5) \\
&:= (6/6 + 6 + 6) \times (((6 \times 6/(6 + 6))^6) - 6) \\
&:= 7 + ((7/7 + 7) \times ((7 + 7) \times (77 + 7) - ((7 + 7)/7))) \\
&:= 8 \times 8 \times 8 + (8888 - 8/8) \\
&:= ((9 + 9 + 9)/9) + (9 \times ((9 \times (99 + 9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9400 &:= 1 + (1 + (((111 - (1 + (1 + 1 + 11)))^{1+1}) - 11)) \\
&:= 2 \times ((2 \times 2222) + 2^{2 \times (2+2)}) \\
&:= (((3/3 + 3)^3) + 33)^{3-3/3} - 3 \times 3 \\
&:= (4 + 4) \times ((4444 + 4^4)/4) \\
&:= 5 \times ((5 \times (5 \times (5 \times (5 + 5 + 5)))) + 5) \\
&:= 6 + (66 \times (6 + 6) \times (6 + 6) + ((6 - 666)/6)) \\
&:= (7/7 + 7) \times ((7 + 7) \times (77 + 7) - 7/7) \\
&:= 8 \times 8 \times 8 + 8888 \\
&:= ((99 - (9 + 9)/9)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9401 &:= (11 \times (111 - 1)) + (((1 + 1)^{1+1+11}) - 1) \\
&:= ((22/2)^2 - 2) \times ((2/2 + 2)^{2+2} - 2) \\
&:= (3/3 + 3 + 3) \times (((33/3)^3 + 3 \times 3) + 3) \\
&:= 4/4 + ((4 + 4) \times ((4444 + 4^4)/4)) \\
&:= 5 \times 5 + (((5^5 + 5^5) + 5^5) + 5/5) \\
&:= (6/6 + 6) \times ((6 \times (6 \times 6 + 6) + (66/6)) \\
&:= 7 + (77 \times (777 + 77)/7) \\
&:= 8/8 + (8888 + 8 \times 8 \times 8) \\
&:= 9/9 + (((99 - ((9 + 9)/9))^{(9+9)/9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9402 &:= 11 \times (111 - 1) + (1 + 1)^{1+1+11} \\
&:= 2 + (2 \times ((2 \times 2222) + 2^{2 \times (2+2)})) \\
&:= 33 \times (3 \times (3 \times 33 - 3) - 3) - 3 \\
&:= (4 + 4)/4 \times ((4444 + 4^4) + 4/4) \\
&:= (5 - (5 + 5)/5) \times (((5^5 - 5/5) + 5) + 5) \\
&:= 6 + ((66 - 6 - 6) \times (6 \times (6 \times 6 - 6) - 6)) \\
&:= ((7 \times (7 + 7) - 7/7)^{(7+7)/7}) - 7 \\
&:= 8 \times 8 \times 8 + (8888 + ((8 + 8)/8)) \\
&:= 9 + (((99/9) + 9 \times 9) \times (999/9 - 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9403 &:= 1 + 11 \times (111 - 1) + (1 + 1)^{1+1+11} \\
&:= ((2 \times 2 \times (22 + 2) + 2/2)^2) - 2 - 2 - 2 \\
&:= 33 \times (3 \times (3 \times 33 - 3) - 3) - 3 + 3/3 \\
&:= 44 + (((4^4 + 4) \times (4 \times (4 + 4) + 4)) - 4/4) \\
&:= 5 \times 5 + ((5 - (5 + 5)/5) \times (5^5 + 5/5)) \\
&:= (((66 - 6 + 6/6) + 6 \times 6)^{(6+6)/6}) - 6 \\
&:= 7 + ((77 + 7)/7 \times ((777 - 7/7) + 7)) \\
&:= 8 \times 8 \times 8 + ((8888 - 8) + (88/8)) \\
&:= 9 + ((9 \times ((9 \times (99 + 9 + 9)) - 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9404 &:= 1 + 1 + 11 \times (111 - 1) + (1 + 1)^{1+1+11} \\
&:= 2 \times (((22 + 2) \times ((2^{2+2} - 2)^2)) - 2) \\
&:= 33 \times (3 \times (3 \times 33 - 3) - 3) - 3/3 \\
&:= 44 + ((4^4 + 4) \times (4 \times (4 + 4) + 4)) \\
&:= ((5 + 5 + 5) \times (5^5 + 5 + 5)/5) - 5/5 \\
&:= 6 + ((6 \times 6 + 6/6) \times (6 \times (6 \times 6 + 6) + ((6 + 6)/6))) \\
&:= (77/7 - 7) \times (7 \times (7 \times 7 - 7) - 7/7) \\
&:= 8 \times 8 \times 8 + (8888 + 8 \times 8/(8 + 8)) \\
&:= 9 + ((9 \times ((9 \times (99 + 9 + 9)) - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9405 &:= 1 + 1 + 1 + 11 \times (111 - 1) + (1 + 1)^{1+1+11} \\
&:= ((2 \times 2 \times (22 + 2) + 2/2)^2) - 2 - 2 \\
&:= 33 \times (3 \times (3 \times 33 - 3) - 3) \\
&:= 44/4 \times (4444/4 - 4^4) \\
&:= (5 + 5 + 5) \times (5^5 + 5 + 5)/5 \\
&:= 6 + ((6/6 + 6 + 6) \times (((6 \times 6/(6 + 6))^6) - 6)) \\
&:= 77/7 \times (((77 \times 77 + 7)/7) + 7) \\
&:= (88 - 8/8 + 8) \times (88/8 + 88) \\
&:= 9 + (9 \times ((9 \times (99 + 9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9406 &:= (1 + 1 + 1) \times ((1 + 111)/(1 + 1))^{1+1} - 1 - 1 \\
&:= (((2 \times 22) - 2) \times (222 + 2)) - 2 \\
&:= 33 \times (3 \times (3 \times 33 - 3) - 3) + 3/3 \\
&:= ((44 + 4) \times ((4 \times (44 + 4)) + 4)) - (4 + 4)/4 \\
&:= 5/5 + ((5 + 5 + 5) \times (5^5 + 5 + 5)/5) \\
&:= ((6 + 6)/6) \times (((6/6 + 6) \times (666 + 6)) - 6/6) \\
&:= ((7 + 7)/7) \times (((7 + 7) \times (7 \times 7 - 7)) - 7/7) \\
&:= 8 + ((8888 - ((8 + 8)/8)) + 8 \times 8 \times 8) \\
&:= 9 + ((9 \times ((9 \times (99 + 9 + 9)) - 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9407 &:= ((111 - (1 + (1 + 1 + 11)))^{1+1}) - 1 - 1 \\
&:= ((2 \times 2 \times (22 + 2) + 2/2)^2) - 2 \\
&:= ((3^3 + 3/3) \times (333 + 3)) - 3/3 \\
&:= ((44 + 4) \times ((4 \times (44 + 4)) + 4)) - 4/4 \\
&:= 5^5 + (((5 + 5)/5)^5 + 5^5) + 5^5 \\
&:= ((666 + 6) \times ((6 + 6)/6 + 6 + 6)) - 6/6 \\
&:= ((7 + 7) \times ((7 + 7) \times (7 \times 7 - 7/7))) - 7/7 \\
&:= 8 + ((8888 - 8/8) + 8 \times 8 \times 8) \\
&:= 99/9 + (9 \times ((9 \times (99 + 9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9408 &:= (1+1+1) \times ((1+111)/(1+1))^{1+1} \\
&:= (2 \times 22) - 2 \times (222+2) \\
&:= (3^3+3/3) \times (333+3) \\
&:= (44+4) \times ((4 \times (44+4)) + 4) \\
&:= (5 - (5+5)/5) \times (55/5+5^5) \\
&:= (666+6) \times ((6+6)/6+6+6) \\
&:= (7+7) \times ((7+7) \times (7 \times 7 - 7/7)) \\
&:= 8 + (8888+8 \times 8 \times 8) \\
&:= (99-9/9) \times (99 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9409 &:= (111 - (1 + (1 + 1 + 11)))^{1+1} \\
&:= (2 \times 2 \times (22+2) + 2/2)^2 \\
&:= (((3/3+3)^3) + 33)^{3-3/3} \\
&:= ((4-4/4)^4 + 4 \times 4)^{(4+4)/4} \\
&:= 5 + (((5+5+5) \times (5^5+5+5)/5) - 5/5) \\
&:= ((66-6+6/6) + 6 \times 6)^{(6+6)/6} \\
&:= (7 \times (7+7) - 7/7)^{(7+7)/7} \\
&:= ((8/8+88) + 8)^{(8+8)/8} \\
&:= (99 - ((9+9)/9))^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9410 &:= 1 + ((111 - (1 + (1 + 1 + 11)))^{1+1}) \\
&:= 2 + (((2 \times 22) - 2) \times (222+2)) \\
&:= 3 + (((3^3+3/3) \times (333+3)) - 3/3) \\
&:= 4/4 + (((4-4/4)^4 + 4 \times 4)^{(4+4)/4}) \\
&:= 5 + ((5+5+5) \times (5^5+5+5)/5) \\
&:= 6/6 + (((66-6+6/6) + 6 \times 6)^{(6+6)/6}) \\
&:= 7/7 + ((7 \times (7+7) - 7/7)^{(7+7)/7}) \\
&:= 8/8 + (((8/8+88) + 8)^{(8+8)/8}) \\
&:= 9/9 + ((99 - ((9+9)/9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9411 &:= 1 + (1 + ((111 - (1 + (1 + 1 + 11)))^{1+1})) \\
&:= 2 + ((2 \times 2 \times (22+2) + 2/2)^2) \\
&:= 3 + ((3^3+3/3) \times (333+3)) \\
&:= 4 + (((44+4) \times ((4 \times (44+4)) + 4)) - 4/4) \\
&:= (5 - (5+5)/5) \times (((55+5)/5) + 5^5) \\
&:= ((6/6+6+6) \times ((6 \times 6/(6+6))^6)) - 66 \\
&:= (7+7)/7 + ((7 \times (7+7) - 7/7)^{(7+7)/7}) \\
&:= 8 \times 8 \times 8 + (8888 + (88/8)) \\
&:= (9+9)/9 + ((99 - ((9+9)/9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9412 &:= 11 \times 111 + (((1+1)^{1+1+11}) - 1) \\
&:= 2 + (((2 \times 22) - 2) \times (222+2)) + 2 \\
&:= 3 + (((3/3+3)^3) + 33)^{3-3/3} \\
&:= 4 + ((44+4) \times ((4 \times (44+4)) + 4)) \\
&:= 5 + (((((5+5)/5)^5 + 5^5) + 5^5) + 5^5) \\
&:= (6/6+6+6) \times ((66 \times 66 - 6 - 6)/6) \\
&:= 7 + (77/7 \times (((77 \times 77 + 7)/7) + 7)) \\
&:= 8 \times 8 \times 8 + (((88+8)/8) + 8888) \\
&:= 9 + (((9 \times (9 \times (99+9+9)) - 9)) - ((9+9)/9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9413 &:= 11 \times 111 + ((1+1)^{1+1+11}) \\
&:= 2 + (((2 \times 2 \times (22+2) + 2/2)^2) + 2) \\
&:= 3 + (((3^3+3/3) \times (333+3)) - 3/3) + 3 \\
&:= 4 + (((4-4/4)^4 + 4 \times 4)^{(4+4)/4}) \\
&:= 5 + ((5 - (5+5)/5) \times (55/5+5^5)) \\
&:= 6 + (((666+6) \times ((6+6)/6+6+6)) - 6/6) \\
&:= 77 + ((77+7)/7 \times (777+7/7)) \\
&:= 8 + ((88-8/8+8) \times (88/8+88)) \\
&:= (((9+9)/9)^9) + ((9 \times (999-9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9414 &:= 1 + (11 \times 111 + ((1+1)^{1+1+11})) \\
&:= (2 \times (22 \times (222 - 2 \times (2+2)))) - 2 \\
&:= 3 + (((3^3+3/3) \times (333+3)) + 3) \\
&:= 4 + (((4-4/4)^4 + 4 \times 4)^{(4+4)/4}) + 4/4 \\
&:= 5 \times 5 + (((5+5+5) \times (5^5+5)/5) - 5/5) \\
&:= 6 + ((666+6) \times ((6+6)/6+6+6)) \\
&:= 7 + (((7+7) \times ((7+7) \times (7 \times 7 - 7/7))) - 7/7) \\
&:= (8/8+8) \times ((8888-8)/8 - 8 \times 8) \\
&:= 9 + ((9 \times ((9 \times (99+9+9)) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9415 &:= 1 + (1 + (11 \times 111 + ((1+1)^{1+1+11}))) \\
&:= 2 + (((2 \times 2 \times (22+2) + 2/2)^2) + 2) + 2 \\
&:= 3 + (((((3/3+3)^3) + 33)^{3-3/3}) + 3) \\
&:= 44 + (((44/4+4) \times (4/4+4)^4) - 4) \\
&:= 5 \times 5 + ((5+5+5) \times (5^5+5)/5) \\
&:= 6 + (((66-6+6/6) + 6 \times 6)^{(6+6)/6}) \\
&:= 7 + ((7+7) \times ((7+7) \times (7 \times 7 - 7/7))) \\
&:= (88 \times ((88/8+88) + 8)) - 8/8 \\
&:= 9 + (((9 \times ((9 \times (99+9+9)) - 9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9416 &:= 11 \times ((11-1)^{1+1+1} - (1+11)^{1+1}) \\
&:= 2 \times (22 \times (222 - 2 \times (2+2))) \\
&:= 3 \times 33 + ((3/3+3+3) \times (33/3)^3) \\
&:= 44 \times (((4+4)/4 - 44) + 4^4) \\
&:= 5 + ((5 - (5+5)/5) \times (((55+5)/5) + 5^5)) \\
&:= 66/6 \times (66 \times (6+6) + ((6+6)/6)^6) \\
&:= 7 + ((7 \times (7+7) - 7/7)^{(7+7)/7}) \\
&:= 88 \times ((88/8+88) + 8) \\
&:= (99 - (99/9)) \times ((99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9417 &:= 1 + (11 \times ((11-1)^{1+1+1} - (1+11)^{1+1})) \\
&:= 2/2 + (2 \times (22 \times (222 - 2 \times (2+2)))) \\
&:= 3 \times 3 + ((3^3+3/3) \times (333+3)) \\
&:= 4 + (((4-4/4)^4 + 4 \times 4)^{(4+4)/4}) + 4 \\
&:= (5 - (5+5)/5) \times (((5^5-5/5) + 5) + 5) \\
&:= 6 + (((6/6+6+6) \times ((6 \times 6/(6+6))^6)) - 66) \\
&:= 7 + (((7 \times (7+7) - 7/7)^{(7+7)/7}) + 7/7) \\
&:= 8 + (((8/8+88) + 8)^{(8+8)/8}) \\
&:= 9 + ((99 - 9/9) \times (99 - ((9+9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9418 &:= 11 + (((111 - (1 + (1 + 1 + 11)))^{1+1}) - (1+1)) \\
&:= 2 + (2 \times (22 \times (222 - 2 \times (2+2)))) \\
&:= 3 \times 3 + (((3/3+3)^3) + 33)^{3-3/3} \\
&:= 44 + (((44/4+4) \times (4/4+4)^4) - 4/4) \\
&:= (((55+5)/5) + 5) \times (555 - 5/5) \\
&:= 6 + ((6/6+6+6) \times ((66 \times 66 - 6 - 6)/6)) \\
&:= 7 + (((7 \times (7+7) - 7/7)^{(7+7)/7}) + ((7+7)/7)) \\
&:= 8 + (((8/8+88) + 8)^{(8+8)/8}) + 8/8 \\
&:= 9 + ((99 - ((9+9)/9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9419 &:= 11 + (1 + 1 + 1) \times ((1+111)/(1+1))^{1+1} \\
&:= 22/2 + (((2 \times 22) - 2) \times (222+2)) \\
&:= 33/3 + ((3^3+3/3) \times (333+3)) \\
&:= 44 + ((44/4+4) \times (4/4+4)^4) \\
&:= 55 + (((5^5 - (55/5)) + 5^5) + 5^5) \\
&:= ((6+6) \times (66 \times (6+6) - 6)) - (6/6+6+6) \\
&:= 77/7 + ((7+7) \times ((7+7) \times (7 \times 7 - 7/7))) \\
&:= 8 + ((8888+8 \times 8 \times 8) + (88/8)) \\
&:= 9 + (((99 - ((9+9)/9))^{(9+9)/9}) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9420 &:= 11 + ((111 - (1 + (1 + 1 + 11)))^{1+1}) \\
&:= 2 \times ((22 \times (222 - 2 \times (2+2))) + 2) \\
&:= (3+3) \times 3^3 + (((3 \times (3+3)) + 3)^3) - 3 \\
&:= 4 + (44 \times (((4+4)/4 - 44) + 4^4)) \\
&:= 5^5 + (((5+5) \times (5^5/5+5)) - 5) \\
&:= (6+6) \times (66 \times (6+6) - (6/6+6)) \\
&:= (77+7)/7 \times ((777+7/7) + 7) \\
&:= 88/8 + (((8/8+88) + 8)^{(8+8)/8}) \\
&:= 99/9 + ((99 - ((9+9)/9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9421 &:= 1 + (11 + ((111 - (1 + (1 + 1 + 11)))^{1+1})) \\
&:= 2 + (((2 \times 22) - 2) \times (222+2)) + 22/2 \\
&:= 3 + (((((3/3+3)^3) + 33)^{3-3/3}) + 3 \times 3) \\
&:= ((4-4/4)^{4+4}) + (44 \times (4^4+4)/4) \\
&:= (5/5+5)^5 + ((55 \times (5 \times 5+5)) - 5) \\
&:= ((6+6) \times (66 \times (6+6) - 6)) - 66/6 \\
&:= (777/7 \times (7/7+77+7)) - (7+7) \\
&:= 8 + (((88-8/8+8) \times (88/8+88)) + 8) \\
&:= (((9+9)/9)^9) + ((9 \times (999-9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9422 &:= 1 + (1 + (11 + ((111 - (1 + (1 + 1 + 11)))^{1+1}))) \\
&:= 2 + (2 \times ((22 \times (222 - 2 \times (2+2))) + 2)) \\
&:= (3+3) \times 3^3 + (((3 \times (3+3)) + 3)^3) - 3/3 \\
&:= (4+4)^4 + (((4+4)+4) \times 444) - (4+4)/4 \\
&:= 55 + (((5 - (5+5)/5) \times (5^5 - 5/5)) - 5) \\
&:= (6-66)/6 + ((6+6) \times (66 \times (6+6) - 6)) \\
&:= 7 + (((7+7) \times ((7+7) \times (7 \times 7 - 7/7))) + 7) \\
&:= 8 + ((8/8+8) \times ((8888-8)/8 - 8 \times 8)) \\
&:= (((9+9)/9)^9) + (9 \times (999-9))
\end{aligned}$$

- 9423 := $(11 \times (1 + 111)) + (((1 + 1)^{1+1+11}) - 1)$
:= $2^{2+2} + ((2 \times 2 \times (22 + 2) + 2/2)^2) - 2$
:= $3 \times ((33 \times (3 \times 33 - 3)) - 3^3)$
:= $4 + (((44/4 + 4) \times (4/4 + 4)^4) + 44)$
:= $(5 - (5 + 5)/5) \times ((55/5 + 5^5) + 5)$
:= $((6 - 66) + 6)/6 + ((6 + 6) \times (66 \times (6 + 6) - 6))$
:= $7 + (((7 \times (7 + 7) - 7/7)^{(7+7)/7}) + 7)$
:= $(8/8 + 8) \times (8888/8 - 8 \times 8)$
:= $9 + (((9 \times (9 \times (99 + 9 + 9)) - 9)) + 9) + 9$
- 9424 := $(11 \times (1 + 111)) + ((1 + 1)^{1+1+11})$
:= $(2 \times (2 + 2) + 2)^{2+2} - ((22 + 2)^2)$
:= $3/3 + (((3 \times (3 + 3)) + 3)^3) + (3 + 3) \times 3^3$
:= $4 \times (((4 + 4) \times (44 + 4^4)) - 44)$
:= $5^5 + (((5 + 5) \times (5^5/5 + 5)) - 5/5)$
:= $((6 + 6) \times (66 \times (6 + 6) - 6)) - ((6 + 6)/6 + 6)$
:= $(7/7 + 7) \times ((7 + 7) \times (77 + 7) + ((7 + 7)/7))$
:= $8 + (88 \times ((88/8 + 88) + 8))$
:= $(9 - 9/9) \times (((99 \times (99 + 9)) - 9)/9) - 9$
- 9425 := $1 + ((11 \times (1 + 111)) + ((1 + 1)^{1+1+11}))$
:= $2^{2+2} + ((2 \times 2 \times (22 + 2) + 2/2)^2)$
:= $((3 \times 3 + 3/3) + 3) \times (3^{3+3} - (3/3 + 3))$
:= $(4^4 + 4)/4 \times (4^4 - 444/4)$
:= $5^5 + ((5 + 5) \times (5^5/5 + 5))$
:= $(6/6 + 6 + 6) \times ((66 \times 66 - 6)/6)$
:= $77 + ((77 + 7)/7 \times (((7 + 7)/7) + 777))$
:= $8 + (((8/8 + 88) + 8)^{(8+8)/8}) + 8$
:= $9 + ((99 - 99/9) \times ((99 - 9/9) + 9))$
- 9426 := $((11 + 11)^{1+1+11}) - (1 + 11 \times 111)$
:= $2 + ((2 \times (2 + 2) + 2)^{2+2} - ((22 + 2)^2))$
:= $3 + (((3 \times (3 + 3)) + 3)^3) + (3 + 3) \times 3^3$
:= $(4 \times (((4 - 4/4) + 4)^4) - 44) - (4 + 4)/4$
:= $(5/5 + 5)^5 + (55 \times (5 \times 5 + 5))$
:= $((6 + 6) \times (66 \times (6 + 6) - 6)) - 6$
:= $7 + (((7 + 7) \times ((7 + 7) \times (7 \times 7 - 7/7))) + (77/7))$
:= $8 + (((8/8 + 88) + 8)^{(8+8)/8}) + 8/8 + 8$
:= $9 + (((99 - 9/9) \times (99 - (9 + 9 + 9)/9)) + 9)$
- 9427 := $((11 + 11)^{1+1+11}) - 11 \times 111$
:= $22/2 \times (2 \times 22^2 - 222/2)$
:= $33/3 \times ((33 \times 3^3) - (3/3 + 33))$
:= $(4 \times (((4 - 4/4) + 4)^4) - 44) - 4/4$
:= $55 + ((5 - (5 + 5)/5) \times (5^5 - 5/5))$
:= $6/6 + (((6 + 6) \times (66 \times (6 + 6) - 6)) - 6)$
:= $7 + ((77 + 7)/7 \times ((777 + 7/7) + 7))$
:= $88/8 + (88 \times ((88/8 + 88) + 8))$
:= $9 + (((99 - (9 + 9)/9))^{(9+9)/9}) + 9$
- 9428 := $1 + (((11 + 11)^{1+1+11}) - 11 \times 111)$
:= $2 \times (((2 \times (2 \times 22 + 2)^2) - 2) + 22^2)$
:= $3 + (((3 \times 3 + 3/3) + 3) \times (3^{3+3} - (3/3 + 3)))$
:= $4 \times (((4 - 4/4) + 4)^4) - 44$
:= $5 + ((5 - (5 + 5)/5) \times ((55/5 + 5^5) + 5))$
:= $(6 + 6)/6 + (((6 + 6) \times (66 \times (6 + 6) - 6)) - 6)$
:= $(777/7 \times (7/7 + 77 + 7)) - 7$
:= $8 + (((8/8 + 88) + 8)^{(8+8)/8}) + (88/8)$
:= $9 + (((99 - ((9 + 9)/9))^{(9+9)/9}) + 9/9) + 9$
- 9429 := $1 + (1 + (((11 + 11)^{1+1+11}) - 11 \times 111))$
:= $22 + (((2 \times 2 \times (22 + 2) + 2/2)^2) - 2)$
:= $((3^3 - 3) \times ((33 \times (3 \times 3 + 3)) - 3)) - 3$
:= $4/4 + (4 \times (((4 - 4/4) + 4)^4) - 44)$
:= $55 + (((5^5 - 5/5) + 5^5) + 5^5)$
:= $((6 + 6) \times (66 \times (6 + 6) - 6)) - 6 \times 6/(6 + 6)$
:= $((7 + 7) \times ((7 \times 7 \times (7 + 7) - 7)) - 77)$
:= $(8 - 8/8) \times (((88/8)^{88/8-8}) + 8) + 8$
:= $9 + (((99 - ((9 + 9)/9))^{(9+9)/9}) + (99/9))$
- 9430 := $(11 - 1) \times (1 + (1111 - (1 + 1 + 11)^{1+1}))$
:= $22 + (((2 \times 22) - 2) \times (222 + 2))$
:= $(3 \times 3^3 + 3/3) \times (((333 + 3)/3) + 3)$
:= $(4 + 4)/4 + (4 \times (((4 - 4/4) + 4)^4) - 44)$
:= $55 + ((5^5 + 5^5) + 5^5)$
:= $((6 + 6) \times (66 \times (6 + 6) - 6)) - (6 + 6)/6$
:= $7 + (((7 \times (7 + 7) - 7/7)^{(7+7)/7}) + 7) + 7$
:= $88 + (((8 + 8) \times (8 \times (8 \times 8 + 8) + 8)) - ((8 + 8)/8))$
:= $(9/9 + 9) \times (((9 + 9)/9)^{9/9+9}) - 9 \times 9$
- 9431 := $11 + (11 + ((111 - (1 + (1 + 1 + 11)))^{1+1}))$
:= $22 + ((2 \times 2 \times (22 + 2) + 2/2)^2)$
:= $(33/3)^3 + (3^3 \times (3 \times 3 \times 33 + 3))$
:= $((44/4 + 4) \times ((4/4 + 4)^4 + 4)) - 4$
:= $5 + ((55 \times (5 \times 5 + 5)) + (5/5 + 5)^5)$
:= $((6 + 6) \times (66 \times (6 + 6) - 6)) - 6/6$
:= $((7/7 + 77) \times (((7 + 7)/7)^7 - 7)) - 7$
:= $8 + ((8/8 + 8) \times (8888/8 - 8 \times 8))$
:= $9 + ((9 \times (999 - 9)) + ((9 + 9)/9)^9)$
- 9432 := $((11 \times (1 + 11)) - 1) \times ((1 + 11)^{1+1}/(1 + 1))$
:= $2 \times ((2 \times (2 \times 22 + 2)^2) + 22^2)$
:= $(3^3 - 3) \times ((33 \times (3 \times 3 + 3)) - 3)$
:= $4 + (4 \times (((4 - 4/4) + 4)^4) - 44)$
:= $5 + (((5 - (5 + 5)/5) \times (5^5 - 5/5)) + 55)$
:= $(6 + 6) \times (66 \times (6 + 6) - 6)$
:= $(77 + 7)/7 \times (((7 + 7)/7) + 777) + 7$
:= $88 + ((8 + 8) \times (8 \times (8 \times 8 + 8) + 8))$
:= $9999 + (9 \times ((9 - 9 \times 9) + 9))$
- 9433 := $1 + (((11 \times (1 + 11)) - 1) \times ((1 + 11)^{1+1}/(1 + 1)))$
:= $2 + (((2 \times 2 \times (22 + 2) + 2/2)^2) + 22)$
:= $3/3 + ((3^3 - 3) \times ((33 \times (3 \times 3 + 3)) - 3))$
:= $4 + ((4 \times (((4 - 4/4) + 4)^4) - 44)) + 4/4$
:= $55 + ((5 - (5 + 5)/5) \times (5^5 + 5/5))$
:= $6/6 + ((6 + 6) \times (66 \times (6 + 6) - 6))$
:= $(777/7 \times (7/7 + 77 + 7)) - (7 + 7)/7$
:= $8 + (((8/8 + 88) + 8)^{(8+8)/8}) + 8 + 8$
:= $9/9 + ((9 \times ((9 - 9 \times 9) + 9)) + 9999)$
- 9434 := $(111 \times (111 - ((1 + 1) \times (1 + 1 + 11)))) - 1$
:= $2 + (((2 \times (2 \times 22 + 2))^2) + 2 \times 22^2)$
:= $3 + ((3^3 \times (3 \times 3 \times 33 + 3)) + (33/3)^3)$
:= $(4 + 4)/4 \times (((4/4 + 4)^4 - 4) + (4 + 4)^4)$
:= $((5 + 5 + 5) \times ((5^5 - 5)/5 + 5)) - 5/5$
:= $(6 + 6)/6 + ((6 + 6) \times (66 \times (6 + 6) - 6))$
:= $(777/7 \times (7/7 + 77 + 7)) - 7/7$
:= $(8/8 + 88) \times (((8 + 8)/8 + 88) + 8) + 8$
:= $((9 \times 9 - 9/9) + 9) \times ((99 - ((9 + 9)/9)) + 9)$
- 9435 := $111 \times (111 - ((1 + 1) \times (1 + 1 + 11)))$
:= $222/2 + (222 \times ((2 \times 22) - 2))$
:= $3 + ((3^3 - 3) \times ((33 \times (3 \times 3 + 3)) - 3))$
:= $(44/4 + 4) \times ((4/4 + 4)^4 + 4)$
:= $(5 + 5 + 5) \times ((5^5 - 5)/5 + 5)$
:= $(6 - 6/6) \times ((66/6 + 6) \times 666/6)$
:= $777/7 \times (7/7 + 77 + 7)$
:= $888/8 \times ((88 - 88/8) + 8)$
:= $((9 - 9/9) + 9) \times (9999 - 9)/(9 + 9)$
- 9436 := $1 + (111 \times (111 - ((1 + 1) \times (1 + 1 + 11))))$
:= $222 + ((2 \times 2 \times (22 + 2))^2 - 2)$
:= $(3^3 + 3/3) \times ((333 + 3/3) + 3)$
:= $((44 - 4) \times (4^4 - (4 \times 4 + 4))) - 4$
:= $5/5 + ((5 + 5 + 5) \times ((5^5 - 5)/5 + 5))$
:= $6 + (((6 + 6) \times (66 \times (6 + 6) - 6)) - ((6 + 6)/6))$
:= $7 + (((7 + 7) \times ((7 \times 7 \times (7 + 7) - 7)) - 77))$
:= $8/8 + (888/8 \times ((88 - 88/8) + 8))$
:= $9 + (((99 - ((9 + 9)/9))^{(9+9)/9}) + 9) + 9$
- 9437 := $(11 \times (11 \times (111 - (11 \times (1 + 1 + 1)))) - 1$
:= $222 + ((2 \times 2 \times (22 + 2))^2 - 2/2)$
:= $(33 \times 33/3 \times (3^3 - 3/3)) - 3/3$
:= $4/4 + (((44 - 4) \times (4^4 - (4 \times 4 + 4))) - 4)$
:= $(5 + 5)/5 + ((5 + 5 + 5) \times ((5^5 - 5)/5 + 5))$
:= $6 + (((6 + 6) \times (66 \times (6 + 6) - 6)) - 6/6)$
:= $((7/7 + 77) \times (((7 + 7)/7)^7 - 7)) - 7/7$
:= $((88/8 + 8 \times 8) \times (8 \times (8 + 8) - 8/8)) - 88$
:= $99 \times 99 + ((9 - 9 \times 9 \times 9)/(9 + 9))$

$$\begin{aligned}
\blacktriangleright 9438 &:= 11 \times (11 \times (111 - (11 \times (1 + 1 + 1)))) \\
&:= 222 + (2 \times 2 \times (22 + 2))^2 \\
&:= 33 \times 33/3 \times (3^3 - 3/3) \\
&:= (444 - 4)/4 + (44 \times (4^4 - 44)) \\
&:= 5 + (((5 - (5 + 5)/5) \times (5^5 + 5/5)) + 55) \\
&:= 6 + ((6 + 6) \times (66 \times (6 + 6) - 6)) \\
&:= (7/7 + 77) \times (((7 + 7)/7)^7 - 7) \\
&:= ((8 + 8)/8) \times (8 \times 8 \times (8 \times 8 + 8) + 888/8) \\
&:= 99 \times 99 - (99 \times 99/(9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9439 &:= 1 + (11 \times (11 \times (111 - (11 \times (1 + 1 + 1)))) \\
&:= 2/2 + ((2 \times 2 \times (22 + 2))^2 + 222) \\
&:= 3 + ((3^3 + 3/3) \times ((333 + 3/3) + 3)) \\
&:= 4 + ((44/4 + 4) \times ((4/4 + 4)^4 + 4)) \\
&:= ((5 + 5 + 5) \times (5^5/5 + 5)) - 55/5 \\
&:= 6 + (((6 + 6) \times (66 \times (6 + 6) - 6)) + 6/6) \\
&:= 7/7 + ((7/7 + 77) \times (((7 + 7)/7)^7 - 7)) \\
&:= ((88 - 8) \times ((888 - 8)/8 + 8)) - 8/8 \\
&:= 9 + ((9/9 + 9) \times (((9 + 9)/9)^{9/9+9} - 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9440 &:= 1 + (1 + (11 \times (11 \times (111 - (11 \times (1 + 1 + 1)))))) \\
&:= 2 + ((2 \times 2 \times (22 + 2))^2 + 222) \\
&:= (33 - 3/3) \times ((3 \times 3 \times 33 - 3) + 3/3) \\
&:= (44 - 4) \times (4^4 - (4 \times 4 + 4)) \\
&:= 5 + ((5 + 5 + 5) \times ((5^5 - 5)/5 + 5)) \\
&:= 66 \times (6 + 6) \times (6 + 6) - ((6 + 6)/6)^6 \\
&:= (777/7 + 7) \times ((7 + 7 + 7)/7 + 77) \\
&:= (88 - 8) \times ((888 - 8)/8 + 8) \\
&:= (9 \times 9 - 9/9) \times ((9/9 + 99 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9441 &:= (1 + 1 + 1) \times (11 + ((1 + 111)/(1 + 1))^{1+1}) \\
&:= 2 + (((2 \times 2 \times (22 + 2))^2 + 222) + 2/2) \\
&:= 3 + (33 \times 33/3 \times (3^3 - 3/3)) \\
&:= 4/4 + ((44 - 4) \times (4^4 - (4 \times 4 + 4))) \\
&:= (5 - 5/5 + 5) \times ((5 - 5/5)^5 + 5 \times 5) \\
&:= ((6 \times 6/(6 + 6))^6) + 66 \times (66 + 66) \\
&:= 7 + (((777/7 \times (7/7 + 77 + 7)) - 7/7) \\
&:= 8/8 + ((88 - 8) \times ((888 - 8)/8 + 8)) \\
&:= 9 + ((9 \times (9 - 9 \times 9) + 9)) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9442 &:= 1 + (1 + 1 + 1) \times (11 + ((1 + 111)/(1 + 1))^{1+1}) \\
&:= 2 + (((2 \times 2 \times (22 + 2))^2 + 222) + 2) \\
&:= 33 + (((3/3 + 3)^3) + 33)^{3-3/3} \\
&:= (4 + 4)/4 \times ((4/4 + 4)^4 + (4 + 4)^4) \\
&:= 55 + ((5 - (5 + 5)/5) \times ((5^5 - 5/5) + 5)) \\
&:= ((66 - 6)/6) + ((6 + 6) \times (66 \times (6 + 6) - 6)) \\
&:= 7 + (777/7 \times (7/7 + 77 + 7)) \\
&:= 8 + ((8/8 + 88) \times (((8 + 8)/8 + 88) + 8) + 8) \\
&:= ((99 - 9/9)^{9+9/9}) - 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9443 &:= ((11 \times ((1 + 11)^{1+1+1}) - 11) - 1)/(1 + 1) \\
&:= (22/2)^2 + ((222 \times ((2 \times 22) - 2)) - 2) \\
&:= (3/3 + 3 + 3) \times ((33/3)^3 + (3 \times (3 + 3))) \\
&:= 4 + (((44/4 + 4) \times ((4/4 + 4)^4 + 4)) + 4) \\
&:= 5^5 + ((5 \times 5 + 5/5) \times ((5 - (5 + 5)/5)^5)) \\
&:= 66/6 + ((6 + 6) \times (66 \times (6 + 6) - 6)) \\
&:= ((77 - 7) \times (((7 + 7)/7)^7 + 7)) - 7 \\
&:= 8 + (888/8 \times ((88 - 88/8) + 8)) \\
&:= 9999 - ((9999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9444 &:= (1 + 1 + 1) \times (1111 + ((1 + 1)^{11} - 11)) \\
&:= 2^{22/2} + ((2 \times 2 \times 22 - 2)^2) \\
&:= (3 + 3) \times (3 \times 3 \times 3^3 + (33/3)^3) \\
&:= 4 + ((44 - 4) \times (4^4 - (4 \times 4 + 4))) \\
&:= ((5 + 5)^{5-5/5}) - (555 + 5/5) \\
&:= 6 + (((6 + 6) \times (66 \times (6 + 6) - 6)) + 6) \\
&:= 7/7 + (((77 - 7) \times (((7 + 7)/7)^7 + 7)) - 7) \\
&:= 8888 + ((8888 + 8)/(8 + 8)) \\
&:= 9999 + ((9 - 9999)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9445 &:= 1 + ((1 + 1 + 1) \times (1111 + ((1 + 1)^{11} - 11))) \\
&:= (22/2)^2 + (222 \times ((2 \times 22) - 2)) \\
&:= 3 + (((3/3 + 3)^3) + 33)^{3-3/3} + 33 \\
&:= 4 + (((44 - 4) \times (4^4 - (4 \times 4 + 4))) + 4/4) \\
&:= ((5 + 5)^{5-5/5}) - 555 \\
&:= 6 + (((6 + 6) \times (66 \times (6 + 6) - 6)) + 6/6) + 6 \\
&:= 7 + ((7/7 + 77) \times (((7 + 7)/7)^7 - 7)) \\
&:= 8888 + (8 \times (8 \times 8 + 8) - (88/8 + 8)) \\
&:= 9 + (((99 - ((9 + 9)/9))^{(9+9)/9} + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9446 &:= (111 \times (1 + 11^{1+1})) - ((1 + 1)^{1+11}) \\
&:= 2 + (((2 \times 2 \times 22 - 2)^2) + 2^{22/2}) \\
&:= 3 + ((3/3 + 3 + 3) \times ((33/3)^3 + (3 \times (3 + 3)))) \\
&:= 4 + ((4 + 4)/4 \times ((4/4 + 4)^4 + (4 + 4)^4)) \\
&:= 5/5 + (((5 + 5)^{5-5/5}) - 555) \\
&:= 6 + (66 \times (6 + 6) \times (6 + 6) - ((6 + 6)/6)^6) \\
&:= 7 + (((7/7 + 77) \times (((7 + 7)/7)^7 - 7)) + 7/7) \\
&:= 8888 + ((8/8 + 8) \times (8 \times 8 - ((8 + 8)/8))) \\
&:= 9 + (((9 - 9 \times 9 \times 9)/9) + 99) + 99 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9447 &:= 1 + ((111 \times (1 + 11^{1+1})) - ((1 + 1)^{1+11})) \\
&:= 2 + ((222 \times ((2 \times 22) - 2)) + (22/2)^2) \\
&:= (3 \times (3 \times (3^3 \times (33 + 3 + 3) - 3))) - 3 \\
&:= 4 + (((44/4 + 4) \times ((4/4 + 4)^4 + 4)) + 4) + 4 \\
&:= (5 - (5 + 5)/5) \times ((5^5 - 5/5) + 5 \times 5) \\
&:= (66 + 6/6) \times ((666/6 - 6) + 6 \times 6) \\
&:= 7 + ((777/7 + 7) \times ((7 + 7 + 7)/7 + 77)) \\
&:= 8 + (((88 - 8) \times ((888 - 8)/8 + 8)) - 8/8) \\
&:= (9 \times ((9 \times (99 + 9 + 9)) + 9)) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9448 &:= ((11 \times ((1 + 11)^{1+1+1}) - (1 + 111))/(1 + 1) \\
&:= (((2 \times 22) - 2) \times ((222 + 2/2) + 2)) - 2 \\
&:= 3/3 + ((3 \times (3 \times (3^3 \times (33 + 3 + 3) - 3))) - 3) \\
&:= 4 + (((44 - 4) \times (4^4 - (4 \times 4 + 4))) + 4) \\
&:= ((5 + 5 + 5) \times (5^5/5 + 5)) - (5 + 5)/5 \\
&:= 6 + (((6 + 6) \times (66 \times (6 + 6) - 6)) + ((66 - 6)/6)) \\
&:= (7/7 + 7) \times (((777/7 - 7) + 77) \\
&:= 8 + ((88 - 8) \times ((888 - 8)/8 + 8)) \\
&:= (9 \times (9 \times (99 + 9 + 9))) - (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9449 &:= 11 \times (1 + (11 \times (111 - (11 \times (1 + 1 + 1)))) \\
&:= 222 + ((2 \times 2 \times (22 + 2))^2 + 22/2) \\
&:= 33/3 \times ((33 \times (3^3 - 3/3)) + 3/3) \\
&:= 44/4 \times ((4444/4 - 4^4) + 4) \\
&:= ((5 + 5 + 5) \times (5^5/5 + 5)) - 5/5 \\
&:= 6 + (((6 + 6) \times (66 \times (6 + 6) - 6)) + (66/6)) \\
&:= ((77 - 7) \times (((7 + 7)/7)^7 + 7)) - 7/7 \\
&:= (88 \times (8 \times (8 + 8) - 8)) - 8888/8 \\
&:= 9 + ((9 \times 9 - 9/9) \times ((9/9 + 99 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9450 &:= 1 + (11 \times (1 + (11 \times (111 - (11 \times (1 + 1 + 1)))))) \\
&:= ((2 \times 22) - 2) \times ((222 + 2/2) + 2) \\
&:= 3 \times (3 \times (3^3 \times (33 + 3 + 3) - 3)) \\
&:= (4 + 4)/4 \times (((4/4 + 4)^4 + (4 + 4)^4) + 4) \\
&:= (5 + 5 + 5) \times (5^5/5 + 5) \\
&:= 6 + (((6 + 6) \times (66 \times (6 + 6) - 6)) + 6) + 6 \\
&:= (77 - 7) \times (((7 + 7)/7)^7 + 7) \\
&:= (8/8 - 8 \times 8) \times (((8 + 8)/8) - (8 \times 8 + 88)) \\
&:= (9 \times (9 \times (99 + 9 + 9))) - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9451 &:= (1 + 1 + 11) \times ((11 - 1 - 1)^{1+1+1} - (1 + 1)) \\
&:= (22/2 + 2) \times (((2/2 + 2)^{2+2+2}) - 2) \\
&:= 3/3 + (3 \times (3 \times (3^3 \times (33 + 3 + 3) - 3))) \\
&:= 4 \times 4 + ((44/4 + 4) \times ((4/4 + 4)^4 + 4)) \\
&:= 5/5 + ((5 + 5 + 5) \times (5^5/5 + 5)) \\
&:= (6/6 + 6 + 6) \times ((66 \times 66 + 6)/6) \\
&:= 7/7 + ((77 - 7) \times (((7 + 7)/7)^7 + 7)) \\
&:= 8 + ((888/8 \times ((88 - 88/8) + 8)) + 8) \\
&:= 9 + (((99 - 9/9)^{9+9/9}) - 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9452 &:= 1 + ((1 + 1 + 11) \times ((11 - 1 - 1)^{1+1+1} - (1 + 1))) \\
&:= 2 + (((2 \times 22) - 2) \times ((222 + 2/2) + 2)) \\
&:= 3 + ((33 \times (3 \times 3 \times 3^3 + 3)) + (33/3)^3) \\
&:= 44 + ((44 + 4) \times ((4 \times (44 + 4)) + 4)) \\
&:= (5 + 5)/5 + ((5 + 5 + 5) \times (5^5/5 + 5)) \\
&:= (66/6 + 6) \times (6666 + 6)/(6 + 6) \\
&:= 7 + (((7/7 + 77) \times (((7 + 7)/7)^7 - 7)) + 7) \\
&:= (8/8 + 8 + 8) \times ((8888 + 8)/(8 + 8)) \\
&:= ((9 - 9/9) + 9) \times ((9999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9453 &:= (1 + (11 + 11)) \times (11 + ((1 + 1) \times (11 - 1))^{1+1}) \\
&:= 2 \times 22 + ((2 \times 2 \times (22 + 2) + 2/2)^2) \\
&:= 3 + (3 \times (3 \times (3^3 \times (33 + 3 + 3) - 3))) \\
&:= 44 + (((4 - 4/4)^4 + 4 \times 4)^{(4+4)/4}) \\
&:= (5 - (5 + 5)/5) \times ((5 \times 5 + 5^5) + 5/5) \\
&:= 6 + ((66 + 6/6) \times ((666/6 - 6) + 6 \times 6)) \\
&:= (7 + 7 + 7)/7 + ((77 - 7) \times (((7 + 7)/7)^7 + 7)) \\
&:= 8888 + (8 \times (8 \times 8 + 8) - 88/8) \\
&:= 9 + (((9 - 9999)/(9 + 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9454 &:= ((11 \times (1 + ((1 + 11)^{1+1+1}))) - 111)/(1 + 1) \\
&:= (22^2 \times (22 - 2)) - (222 + 2 + 2) \\
&:= 3 + ((3 \times (3 \times (3^3 \times (33 + 3 + 3) - 3))) + 3/3) \\
&:= 4 + ((4 + 4)/4 \times (((4/4 + 4)^4 + (4 + 4)^4) + 4)) \\
&:= 5 + (((5 + 5 + 5) \times (5^5/5 + 5)) - 5/5) \\
&:= ((6 + 6)/6) \times ((6 \times (66 \times (6 + 6) - 6)) + (66/6)) \\
&:= 7 \times 7 + (77/7 \times (((77 \times 77 + 7)/7) + 7)) \\
&:= (8 - 88)/8 + (8888 + 8 \times (8 \times 8 + 8)) \\
&:= 9999 - ((99 \times 99 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9455 &:= ((1 + 11^{1+1})/(1 + 1)) \times (11 + (1 + 11)^{1+1}) \\
&:= 2 + (((2 \times 2 \times (22 + 2) + 2/2)^2) + 2 \times 22) \\
&:= 33 \times (3 + 3) + (((3 \times (3 + 3)) + 3^3) - (3/3 + 3)) \\
&:= (44 - 4) \times (4^4 - 4) - (4/4 + 4)^4 \\
&:= 5 + ((5 + 5 + 5) \times (5^5/5 + 5)) \\
&:= 6 + (((6 + 6) \times (66 \times (6 + 6) - 6)) + (66/6) + 6) \\
&:= 7 + ((7/7 + 7) \times (((7777/7 - 7) + 77)) \\
&:= 888/8 + ((8 + 8) \times (8 \times (8 \times 8 + 8) + 8)) \\
&:= 9999 + ((9 - 99 \times 99)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9456 &:= (11 \times (11 \times (1 + 11))) - ((1 + 1)^{1+1+1}) \\
&:= (22 + 2) \times ((2 \times ((2^{2+2} - 2)^2)) + 2) \\
&:= 33 \times (3 + 3) + (((3 \times (3 + 3)) + 3^3) - 3) \\
&:= 4 \times ((44 \times (44 + 4) - 4) + 4^4) \\
&:= 5 + (((5 + 5 + 5) \times (5^5/5 + 5)) + 5/5) \\
&:= 6 \times (6 \times 6 \times (6 \times 6 + 6) + ((6 + 6)/6)^6) \\
&:= (77 + 7)/7 \times (77/7 + 777) \\
&:= 8888 + (8 \times (8 \times 8 + 8) - 8) \\
&:= (9 \times (9 \times (99 + 9 + 9))) - ((99 + 9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9457 &:= 1 + ((11 \times (11 \times (1 + 11))) - ((1 + 1)^{1+1+1})) \\
&:= (22^2 - 2)/2 + (2 \times 2 \times (22 + 2))^2 \\
&:= ((33/3 + 33) \times ((3 + 3)^3 - 3/3)) - 3 \\
&:= 4/4 + (4 \times ((44 \times (44 + 4) - 4) + 4^4)) \\
&:= 5 + (((5 + 5 + 5) \times (5^5/5 + 5)) + ((5 + 5)/5)) \\
&:= 6 + ((6/6 + 6 + 6) \times ((66 \times 66 + 6)/6)) \\
&:= 7 + ((77 - 7) \times (((7 + 7)/7)^7 + 7)) \\
&:= 8/8 + ((8888 - 8) + 8 \times (8 \times 8 + 8)) \\
&:= (9 \times (9 \times (99 + 9 + 9))) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9458 &:= (1 + 1) \times (((11 - 1) \times ((11 + 11)^{1+1})) - 111) \\
&:= (22^2 \times (22 - 2)) - 222 \\
&:= 33 \times (3 + 3) + (((3 \times (3 + 3)) + 3^3) - 3/3) \\
&:= 4 \times 4 + ((4 + 4)/4 \times ((4/4 + 4)^4 + (4 + 4)^4)) \\
&:= 5 + ((5 - (5 + 5)/5) \times ((5 \times 5 + 5^5) + 5/5)) \\
&:= 6 + ((66/6 + 6) \times (6666 + 6)/(6 + 6)) \\
&:= 7 \times 7 + ((7 \times (7 + 7) - 7/7)^{(7+7)/7}) \\
&:= (888/8 \times (88 - ((8 + 8)/8))) - 88 \\
&:= (9 \times (9 \times (99 + 9 + 9))) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9459 &:= ((1 + 1) \times (11 \times (((11 + (11 - 1))^{1+1}) - 11))) - 1 \\
&:= 2/2 + ((22^2 \times (22 - 2)) - 222) \\
&:= 33 \times (3 + 3) + (((3 \times (3 + 3)) + 3^3) \\
&:= 4 + ((44 - 4) \times (4^4 - 4) - (4/4 + 4)^4) \\
&:= 5 + (((5 + 5 + 5) \times (5^5/5 + 5)) - 5/5) + 5) \\
&:= 66 + (66 \times (6 + 6) \times (6 + 6) - 666/6) \\
&:= 7 + (((7/7 + 77) \times (((7 + 7)/7)^7 - 7)) + 7) + 7) \\
&:= (8/8 + 8) \times (((8 \times 8 \times (8 + 8) + (88/8)) + 8) + 8) \\
&:= (9 \times (9 \times (99 + 9 + 9))) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9460 &:= (1 + 1) \times (11 \times (((11 + (11 - 1))^{1+1}) - 11)) \\
&:= (2 - 22) \times (22/2 - 22^2) \\
&:= (33/3 + 33) \times ((3 + 3)^3 - 3/3) \\
&:= 44 \times ((4^4 - (44 + 4/4)) + 4) \\
&:= 5 + (((5 + 5 + 5) \times (5^5/5 + 5)) + 5) \\
&:= (6 - ((6 + 6)/6)) \times (6 \times 6 \times 66 - (66/6)) \\
&:= 77/7 \times (((77 \times 77 - 7)/7) + 7) + 7) \\
&:= (88 - ((8 + 8)/8)) \times (888 - 8)/8 \\
&:= 9/9 + ((9 \times (9 \times (99 + 9 + 9))) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9461 &:= ((111 \times (1 + 1)^{11-1})/(1 + 1)) - 11 \\
&:= 2/2 + ((2 - 22) \times (22/2 - 22^2)) \\
&:= ((3^3 - 3/3) \times ((33 \times 33 + 3)/3)) - 3 \\
&:= 4/4 + (44 \times ((4^4 - (44 + 4/4)) + 4)) \\
&:= 55/5 + ((5 + 5 + 5) \times (5^5/5 + 5)) \\
&:= 66 \times (6 + 6) \times (6 + 6) - (6 \times 6 + 6/6 + 6) \\
&:= 77/7 + ((77 - 7) \times (((7 + 7)/7)^7 + 7)) \\
&:= ((8 + 8) \times ((8 \times (8 \times 8 + 8) + 8) + 8)) - 88/8 \\
&:= (9 + 9)/9 + ((9 \times (9 \times (99 + 9 + 9))) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9462 &:= 1 + (((111 \times (1 + 1)^{11-1})/(1 + 1)) - 11) \\
&:= 2 + ((2 - 22) \times (22/2 - 22^2)) \\
&:= 3 + (((3 \times (3 + 3)) + 3^3) + 33 \times (3 + 3)) \\
&:= 4^4 + ((4^4 \times (4 \times (4 + 4) + 4)) + (4 - 44)/4) \\
&:= ((55 + 5)/5) + ((5 + 5 + 5) \times (5^5/5 + 5)) \\
&:= 66 \times (6 + 6) \times (6 + 6) - (6 \times 6 + 6) \\
&:= (77 - 7/7 + 7) \times (((7 + 7)/7)^7 - (7 + 7)) \\
&:= 8888 + (8 \times (8 \times 8 + 8) - (8 + 8)/8) \\
&:= (9 \times (9 - 9 \times 9)) + (999/9 + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9463 &:= ((1 + 1 + 11) \times ((11 - 1 - 1)^{1+1+1} - 1)) - 1 \\
&:= ((2^{2+2} - 2) \times ((22 + 2 + 2)^2)) - 2/2 \\
&:= 3 + ((33/3 + 33) \times ((3 + 3)^3 - 3/3)) \\
&:= 4^4 + ((4/4 + 4 + 4) \times (4 \times 4^4 - 4/4)) \\
&:= 55 + ((5 - (5 + 5)/5) \times (55/5 + 5^5)) \\
&:= 6/6 + (66 \times (6 + 6) \times (6 + 6) - (6 \times 6 + 6)) \\
&:= 7 + ((77 + 7)/7 \times (77/7 + 777)) \\
&:= 8888 + (8 \times (8 \times 8 + 8) - 8/8) \\
&:= 999 + (((99/9) + 9 \times 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9464 &:= (1 + 1 + 11) \times ((11 - 1 - 1)^{1+1+1} - 1) \\
&:= (2^{2+2} - 2) \times ((22 + 2 + 2)^2) \\
&:= (3^3 - 3/3) \times ((33 \times 33 + 3)/3) \\
&:= 4 + (44 \times ((4^4 - (44 + 4/4)) + 4)) \\
&:= ((5 + 5 + 5) \times ((5^5 + 5)/5 + 5)) - 5/5 \\
&:= (6/6 + 6 + 6) \times (((6 \times 6)/(6 + 6))^6 - 6/6) \\
&:= (7/7 + 7) \times ((7 + 7) \times (77 + 7) + 7) \\
&:= 8888 + 8 \times (8 \times 8 + 8) \\
&:= ((99 + 9 + 9)/9) \times (9 \times 9 \times 9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9465 &:= 1 + ((1 + 1 + 11) \times ((11 - 1 - 1)^{1+1+1} - 1)) \\
&:= 2/2 + ((2^{2+2} - 2) \times ((22 + 2 + 2)^2)) \\
&:= (3 \times (3 \times 33 \times 33)) - 333 - 3 \\
&:= (4/4 + 4) \times ((44 \times (44 - 4/4)) + 4/4) \\
&:= (5 + 5 + 5) \times ((5^5 + 5)/5 + 5) \\
&:= (6 + 6) \times (66 \times (6 + 6) + 6) - 666/6 \\
&:= 7 + (((7 \times (7 + 7) - 7/7)^{(7+7)/7}) + 7 \times 7) \\
&:= 8/8 + (8888 + 8 \times (8 \times 8 + 8)) \\
&:= (9 \times (9 \times (99 + 9 + 9))) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9466 &:= ((1 + 1 + 1) \times (1111 + (1 + 1)^{11})) - 11 \\
&:= 2 + ((2^{2+2} - 2) \times ((22 + 2 + 2)^2)) \\
&:= (3 + 3)^3 + (((3 \times (3 + 3)) + 3^3) - 33/3) \\
&:= 4^4 + ((4^4 \times (4 \times (4 + 4) + 4)) - ((4 + 4)/4 + 4)) \\
&:= 5/5 + ((5 + 5 + 5) \times ((5^5 + 5)/5 + 5)) \\
&:= 66 \times (6 + 6) \times (6 + 6) - ((6 + 6)/6 + 6 \times 6) \\
&:= (7 + 7)/7 + ((7/7 + 7) \times ((7 + 7) \times (77 + 7) + 7)) \\
&:= (8 + 8)/8 + (8888 + 8 \times (8 \times 8 + 8)) \\
&:= (9 \times (9 \times (99 + 9 + 9))) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9467 &:= 1 + (((1 + 1 + 1) \times (1111 + (1 + 1)^{11})) - 11) \\
&:= 2 + (((2^{2+2} - 2) \times ((22 + 2 + 2)^2)) + 2/2) \\
&:= 3 + ((3^3 - 3/3) \times ((33 \times 33 + 3)/3)) \\
&:= 4^4 + ((4^4 \times (4 \times (4 + 4) + 4)) - (4/4 + 4)) \\
&:= (5 + 5)/5 + ((5 + 5 + 5) \times ((5^5 + 5)/5 + 5)) \\
&:= 66 \times (6 + 6) \times (6 + 6) - (6 \times 6 + 6/6) \\
&:= 7 + (77/7 \times (((77 \times 77 - 7)/7) + 7) + 7) \\
&:= 88/8 + ((8888 - 8) + 8 \times (8 \times 8 + 8)) \\
&:= (9 \times (9 \times (99 + 9 + 9))) - 9/9 - 9
\end{aligned}$$

- 9468 := $(1+1+1) \times ((1+11) \times (((1+1) \times (11 \times (1+11)))) - 1)$
:= $(2+2+2) \times ((2 \times (22-2))^2 - 22)$
:= $3 \times (3 \times 3^3 \times (33+3+3)) - 3$
:= $4^4 + ((4^4 \times (4 \times (4+4) + 4)) - 4)$
:= $(5 - (5+5)/5) \times (((5 \times 5+5^5) + 5/5) + 5)$
:= $6 \times (6 \times 6 \times (6 \times 6+6) + 66)$
:= $(77+7)/7 \times ((77+7)/7 + 777)$
:= $8 + ((88 - ((8+8)/8)) \times (888 - 8)/8)$
:= $(9 \times (9 \times (99+9+9))) - 9$
- 9469 := $((111 \times (1+1)^{11-1}) / (1+11)) - 1 - 1 - 1$
:= $2/2 + ((2+2+2) \times ((2 \times (22-2))^2 - 22))$
:= $3/3 + (3 \times ((3 \times 3^3 \times (33+3+3)) - 3))$
:= $4/4 + (((4^4 \times (4 \times (4+4) + 4)) - 4) + 4^4)$
:= $5 + (((5+5+5) \times ((5^5+5)/5+5)) - 5/5)$
:= $6/6 + (6 \times (6 \times 6 \times (6 \times 6+6) + 66))$
:= $(7 \times (7 \times (7+7) \times (7+7))) - (((7+7)/7)^7 + 7)$
:= $8 + (((8+8) \times ((8 \times (8 \times 8+8) + 8) + 8)) - (88/8))$
:= $9/9 + ((9 \times (9 \times (99+9+9))) - 9)$
- 9470 := $((111 \times (1+1)^{11-1}) / (1+11)) - 1 - 1$
:= $2 + ((2+2+2) \times ((2 \times (22-2))^2 - 22))$
:= $3 \times (33 \times (3 \times 33 - 3)) - 3/3 - 33$
:= $4^4 + ((4^4 \times (4 \times (4+4) + 4)) - (4+4)/4)$
:= $5 + ((5+5+5) \times ((5^5+5)/5+5))$
:= $(6+6)/6 + (6 \times (6 \times 6 \times (6 \times 6+6) + 66))$
:= $(77 \times ((777+77+7)/7)) - 7/7$
:= $((8+8) \times ((8 \times (8 \times 8+8) + 8) + 8)) - (8+8)/8$
:= $(9+9)/9 + ((9 \times (9 \times (99+9+9))) - 9)$
- 9471 := $((111 \times (1+1)^{11-1}) / (1+11)) - 1$
:= $(22/2+22) \times (((22+2)^2) - 2)/2$
:= $33 \times (3 \times (3 \times 33 - 3) - 3/3)$
:= $4^4 + ((4^4 \times (4 \times (4+4) + 4)) - 4/4)$
:= $(5 - (5+5)/5) \times (((5+5)/5)^5 + 5^5)$
:= $((6/6+6+6) \times ((6 \times 6/(6+6))^6) - 6)$
:= $77 \times ((777+77+7)/7)$
:= $((8+8) \times ((8 \times (8 \times 8+8) + 8) + 8)) - 8/8$
:= $99/9 \times (9 \times (99+9) - 999/9)$
- 9472 := $(111 \times (1+1)^{11-1}) / (1+11)$
:= $2^{2+2} \times (((22+2)^2) + 2^{2+2})$
:= $(33 - 3/3) \times (3 \times 3 \times 33 - 3/3)$
:= $4 \times (44 \times (44+4) + 4^4)$
:= $((5+5)/5)^5 \times ((5 \times (55+5) - 5) + 5/5)$
:= $(6 \times 6+6/6) \times (((6+6)/6)^{6+(6+6)/6})$
:= $((7+7)/7)^7 \times (77 - ((7+7+7)/7))$
:= $(8+8) \times ((8 \times (8 \times 8+8) + 8) + 8)$
:= $((9 - 99)/(9+9)) + (9 \times (9 \times (99+9+9)))$
- 9473 := $1 + ((111 \times (1+1)^{11-1}) / (1+11))$
:= $2 + ((22/2+22) \times (((22+2)^2) - 2)/2)$
:= $(3+3)^3 + (((3 \times (3+3)) + 3)^3) - (3/3+3)$
:= $4/4 + ((4^4 \times (4 \times (4+4) + 4)) + 4^4)$
:= $5 + ((5 - (5+5)/5) \times (((5 \times 5+5^5) + 5/5) + 5))$
:= $6 + (66 \times (6+6) \times (6+6) - (6 \times 6+6/6))$
:= $7/7 + (((7+7)/7)^7 \times (77 - ((7+7+7)/7)))$
:= $8/8 + ((8+8) \times ((8 \times (8 \times 8+8) + 8) + 8))$
:= $9 + (((99+9+9)/9) \times (9 \times 9 \times 9 - 9/9))$
- 9474 := $(1+1+1) \times (1111 + ((1+1)^{11} - 1))$
:= $2 + ((2 \times 2 \times (22+2))^2 + 2^{2 \times (2+2)})$
:= $(3+3)^3 + (((3 \times (3+3)) + 3)^3) - 3$
:= $4^4 + ((4^4 \times (4 \times (4+4) + 4)) + (4+4)/4)$
:= $(5/5+5) \times ((5 - 5/5)^5 + 555)$
:= $6 + (6 \times (6 \times 6 \times (6 \times 6+6) + 66))$
:= $(7 - 7/7) \times (((7+7) \times (777+7)) + 77/7)$
:= $(8+8)/8 + ((8+8) \times ((8 \times (8 \times 8+8) + 8) + 8))$
:= $(9 \times (9 \times (99+9+9))) - (9+9+9)/9$
- 9475 := $1 + ((1+1+1) \times (1111 + ((1+1)^{11} - 1)))$
:= $((22/2+2) \times ((2/2+2)^{2+2+2}) - 2)$
:= $3 + ((33 - 3/3) \times (3 \times 3 \times 33 - 3/3))$
:= $4 + (((4^4 \times (4 \times (4+4) + 4)) - 4/4) + 4^4)$
:= $5 \times ((5 \times ((5 \times (5 \times (5+5+5))) + 5)) - 5)$
:= $6 + ((6 \times (6 \times 6 \times (6 \times 6+6) + 66)) + 6/6)$
:= $7 + ((77+7)/7 \times ((77+7)/7 + 777))$
:= $88/8 + (8888 + 8 \times (8 \times 8+8))$
:= $(9 \times (9 \times (99+9+9))) - (9+9)/9$
- 9476 := $((1+1+1) \times (1111 + (1+1)^{11})) - 1$
:= $(2 \times 22+2) \times (222 - 2^{2+2})$
:= $(3+3)^3 + (((3 \times (3+3)) + 3)^3) - 3/3$
:= $4 + ((4^4 \times (4 \times (4+4) + 4)) + 4^4)$
:= $5 + ((5 - (5+5)/5) \times (((5+5)/5)^5 + 5^5))$
:= $(6 - ((6+6)/6)) \times (6 \times 6 \times 66 - (6/6+6))$
:= $(7 \times (7 \times (7+7) \times (7+7))) - ((7+7)/7)^7$
:= $(888/8 - 8) \times (8 \times 8/(8+8) + 88)$
:= $(9 \times (9 \times (99+9+9))) - 9/9$
- 9477 := $(1+1+1) \times (1111 + (1+1)^{11})$
:= $(22/2+2) \times ((2/2+2)^{2+2+2})$
:= $3 \times (3 \times 3^3 \times (33+3+3))$
:= $4 + (((4^4 \times (4 \times (4+4) + 4)) + 4^4) + 4/4)$
:= $((5 - (5+5)/5)^5) \times (55 - (55/5+5))$
:= $(6/6+6+6) \times ((6 \times 6/(6+6))^6)$
:= $(7 - 7/7+7) \times ((777 - 7 \times 7) + 7/7)$
:= $(8 - (8/8+88)) \times (88/8 - 8 \times (8+8))$
:= $9 \times (9 \times (99+9+9))$
- 9478 := $1 + ((1+1+1) \times (1111 + (1+1)^{11}))$
:= $2 + ((2 \times 22+2) \times (222 - 2^{2+2}))$
:= $3/3 + (((3 \times (3+3)) + 3)^3) + (3+3)^3$
:= $4 + (((4^4 \times (4 \times (4+4) + 4)) + (4+4)/4) + 4^4)$
:= $5 \times 5 + ((5 - (5+5)/5) \times ((5 \times 5+5^5) + 5/5))$
:= $6/6 + ((6/6+6+6) \times ((6 \times 6/(6+6))^6))$
:= $(7 \times ((7 \times (7+7) \times (7+7)) - 7)) - 77$
:= $8 + (((8+8) \times ((8 \times (8 \times 8+8) + 8) + 8)) - ((8+8)/8))$
:= $9/9 + (9 \times (9 \times (99+9+9)))$
- 9479 := $1 + (1 + ((1+1+1) \times (1111 + (1+1)^{11})))$
:= $2 + ((22/2+2) \times ((2/2+2)^{2+2+2}))$
:= $3 + (((3 \times (3+3)) + 3)^3) - 3/3 + (3+3)^3$
:= $44 + ((44/4+4) \times ((4/4+4)^4 + 4))$
:= $5 + ((5/5+5) \times ((5 - 5/5)^5 + 555))$
:= $66/6 + (6 \times (6 \times 6 \times (6 \times 6+6) + 66))$
:= $7 + (((7+7)/7)^7 \times (77 - ((7+7+7)/7)))$
:= $8 + (((8+8) \times ((8 \times (8 \times 8+8) + 8) + 8)) - 8/8)$
:= $(9+9)/9 + (9 \times (9 \times (99+9+9)))$
- 9480 := $(1+1+1) \times (1 + (1111 + (1+1)^{11}))$
:= $(2 - 22) \times ((2 \times (2+2) - 22^2) + 2)$
:= $3 + (((3 \times (3+3)) + 3)^3) + (3+3)^3$
:= $4 + (((4^4 \times (4 \times (4+4) + 4)) + 4^4) + 4)$
:= $(5+5+5) \times ((5^5+5+5)/5+5)$
:= $(6+6) \times (66 \times (6+6) - ((6+6)/6))$
:= $(77+7)/7 \times (((777 - 7/7) + 7) + 7)$
:= $8 + ((8+8) \times ((8 \times (8 \times 8+8) + 8) + 8))$
:= $((9+9+9)/9) + (9 \times (9 \times (99+9+9)))$
- 9481 := $1 + ((1+1+1) \times (1 + (1111 + (1+1)^{11})))$
:= $222 + (((22 - 2/2)^{2+2+2}) - 2)$
:= $3 + (((3 \times (3+3)) + 3)^3) + (3+3)^3 + 3/3$
:= $4^4 + ((4/4+4+4) \times (4 \times 4^4 + 4/4))$
:= $55 + ((55 \times (5 \times 5+5)) + (5/5+5)^5)$
:= $6/6 + ((6+6) \times (66 \times (6+6) - ((6+6)/6)))$
:= $((7+7) \times ((7 \times 7 \times (7+7)) - 7)) - (77/7+7+7)$
:= $8 + (((8+8) \times ((8 \times (8 \times 8+8) + 8) + 8)) + 8/8)$
:= $9 \times 9 + (((99 - ((9+9)/9))^{(9+9)/9}) - 9)$
- 9482 := $11 \times (((1+11)^{1+1+1}) / (1+11)) - (1+11)$
:= $22 \times (2 \times 222 - (22/2+2))$
:= $3 + (((3 \times (3+3)) + 3)^3) - 3/3 + (3+3)^3 + 3$
:= $4^4 + ((4^4 \times (4 \times (4+4) + 4)) + (44 - 4)/4)$
:= $((5+5)/5)^5 + ((5+5+5) \times (5^5/5+5))$
:= $66/6 \times ((6 \times (6+6) \times (6+6)) - ((6+6)/6))$
:= $77/7 \times (((77 \times 77+7)/7) + 7) + 7$
:= $(888/8 \times (88 - ((8+8)/8))) - 8 \times 8$
:= $99/9 \times (9 \times 99 - (99/9+9+9))$

- 9483 := $1 + (11 \times (((1 + 11)^{1+1+1}) / (1 + 1)) - (1 + 1))$
:= $222 + ((22 - 2/2)^{2/2+2})$
:= $3 + (((3 \times (3 + 3)) + 3^3) + (3 + 3)^3) + 3$
:= $4^4 + ((4^4 \times (4 \times (4 + 4) + 4)) + 44/4)$
:= $5^5 + ((5 + 5)/5 \times ((55 - 5/5) + 5^5))$
:= $6 + ((6/6 + 6 + 6) \times ((6 \times 6 / (6 + 6))^6))$
:= $7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) - ((7 + 7)/7)^7)$
:= $(8/8 - 88) \times (((8 - 888) + 8)/8)$
:= $9 + ((9 \times (9 \times (99 + 9 + 9))) - ((9 + 9 + 9)/9))$
- 9484 := $1 + (1 + (11 \times (((1 + 11)^{1+1+1}) / (1 + 1)) - (1 + 1)))$
:= $2 + (22 \times (2 \times 222 - (22/2 + 2)))$
:= $3 \times 3333 - (((3 - 3/3)^{3 \times 3}) + 3)$
:= $44 + ((44 - 4) \times (4^4 - (4 \times 4 + 4)))$
:= $5^5 + (((5 + 5) \times ((55 + 5^5)/5)) - 5/5)$
:= $(6 - ((6 + 6)/6)) \times ((6 \times 6 \times 66 - 6) + 6/6)$
:= $7 \times 7 + (777/7 \times (7/7 + 77 + 7))$
:= $8 + ((888/8 - 8) \times (8 \times 8 / (8 + 8) + 88))$
:= $9 + ((9 \times (9 \times (99 + 9 + 9))) - ((9 + 9)/9))$
- 9485 := $11 + ((1 + 1 + 1) \times (1111 + ((1 + 1)^{11} - 1)))$
:= $2 + (((22 - 2/2)^{2/2+2}) + 222)$
:= $(3/3 + 3 + 3) \times (((33/3)^3 - 3) + 3^3)$
:= $4 + (((4/4 + 4 + 4) \times (4 \times 4^4 + 4/4)) + 4^4)$
:= $5^5 + ((5 + 5) \times ((55 + 5^5)/5))$
:= $66 \times (6 + 6) \times (6 + 6) - ((6/6 + 6 + 6) + 6)$
:= $7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7)) - 77)$
:= $8 + ((8 - (8/8 + 88)) \times (88/8 - 8 \times (8 + 8)))$
:= $9 + ((9 \times (9 \times (99 + 9 + 9))) - 9/9)$
- 9486 := $(1 + 1 + 1) \times (1 + (1 + (1 + (1111 + (1 + 1)^{11}))))$
:= $(2^{2+2} + 2) \times ((22 + 2/2)^2 - 2)$
:= $3 \times ((3 \times 3^3 \times (33 + 3 + 3)) + 3)$
:= $44 + ((4 + 4)/4 \times ((4/4 + 4)^4 + (4 + 4)^4))$
:= $5^5 + ((555/5 + 5^5) + 5^5)$
:= $66 \times (6 + 6) \times (6 + 6) - 6 - 6 - 6$
:= $77 + ((7 \times (7 + 7) - 7/7)^{7+7}/7)$
:= $(8/8 + 8) \times ((88 \times (88 + 8) - (8 + 8))/8)$
:= $9 + (9 \times (9 \times (99 + 9 + 9)))$
- 9487 := $11 + (((1 + 1 + 1) \times (1111 + (1 + 1)^{11})) - 1)$
:= $2 + (((22 - 2/2)^{2/2+2}) + 222) + 2$
:= $3 \times 3333 - ((3 - 3/3)^{3 \times 3})$
:= $(4^4 - 44)/4 \times ((4 \times 44 - 4/4) + 4)$
:= $5^5 + (((555 + 5)/5 + 5^5) + 5^5)$
:= $66 \times (6 + 6) \times (6 + 6) - (66/6 + 6)$
:= $7 \times 7 + ((7/7 + 77) \times (((7 + 7)/7)^7 - 7))$
:= $88 + ((8888 - 8/8) + 8 \times 8 \times 8)$
:= $9999 - ((9 + 9)/9)^9$
- 9488 := $11 + ((1 + 1 + 1) \times (1111 + (1 + 1)^{11}))$
:= $(2 + 2 + 2)^{2+2} + (2^{22/2+2})$
:= $(3 + 3)^3 + (((3 \times (3 + 3)) + 3^3) + 33/3)$
:= $4 \times ((44 \times (44 + 4) + 4^4) + 4)$
:= $(55/5 + 5) \times (5^5/5 - ((5 + 5)/5)^5)$
:= $(6 - 66)/6 + (66 \times (6 + 6) \times (6 + 6) - 6)$
:= $((7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7)) - (77/7 + 7)$
:= $88 + (8888 + 8 \times 8 \times 8)$
:= $99/9 + (9 \times (9 \times (99 + 9 + 9)))$
- 9489 := $((1 + 1 + 11) \times (1 + (11 - 1 - 1)^{1+1+1})) - 1$
:= $((22 + 2) \times (22 - 2)^2) - 222/2$
:= $3 + (3 \times ((3 \times 3^3 \times (33 + 3 + 3)) + 3))$
:= $4/4 + (4 \times ((44 \times (44 + 4) + 4^4) + 4))$
:= $(5 \times (5 \times ((5 \times (5 \times (5 + 5 + 5))) + 5))) - 55/5$
:= $6 + (((6/6 + 6 + 6) \times ((6 \times 6 / (6 + 6))^6)) + 6)$
:= $7 + (77/7 \times (((77 \times 77 + 7)/7) + 7) + 7)$
:= $8/8 + ((8888 + 8 \times 8 \times 8) + 88)$
:= $(99 + 9)/9 + (9 \times (9 \times (99 + 9 + 9)))$
- 9490 := $(1 + 1 + 11) \times (1 + (11 - 1 - 1)^{1+1+1})$
:= $((2 \times 22) - 2) \times (222 + 2 + 2) - 2$
:= $((3 \times 3 + 3/3) + 3) \times (3^{3+3} + 3/3)$
:= $(4^4 + 4)/4 \times (((4 - 444)/4) + 4^4)$
:= $5 + (((5 + 5) \times ((55 + 5^5)/5)) + 5^5)$
:= $((6 + 6)/6) \times ((6 \times 66 \times (6 + 6)) - (6/6 + 6))$
:= $7 + (((7 \times (7 \times (7 + 7) \times (7 + 7))) - ((7 + 7)/7)^7) + 7)$
:= $((8/8 + 8 \times 8) + 8) \times (8 \times (8 + 8) + ((8 + 8)/8))$
:= $9 \times 9 + ((99 - ((9 + 9)/9))^{(9+9)/9})$
- 9491 := $1 + ((1 + 1 + 11) \times (1 + (11 - 1 - 1)^{1+1+1}))$
:= $((2 \times 22) - 2) \times (222 + 2 + 2) - 2/2$
:= $(3 \times ((33 \times (3 \times 33 - 3)) - 3)) - (3/3 + 3)$
:= $((44/4 + 4) \times (((4/4 + 4)^4 + 4) + 4)) - 4$
:= $5 + (((555/5 + 5^5) + 5^5) + 5^5)$
:= $66 \times (6 + 6) \times (6 + 6) - (6/6 + 6 + 6)$
:= $((7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7)) - (7/7 + 7 + 7)$
:= $8 + ((8/8 - 88) \times (((8 - 888) + 8)/8))$
:= $9 \times 999 + ((9 \times 999 + 9)/(9 + 9))$
- 9492 := $(11 \times (((1 + 11)^{1+1+1}) / (1 + 1)) - 1) - 1$
:= $((2 \times 22) - 2) \times (222 + 2 + 2)$
:= $(3^3 + 3/3) \times (333 + 3 + 3)$
:= $4 + (4 \times ((44 \times (44 + 4) + 4^4) + 4))$
:= $5 + (((555 + 5)/5 + 5^5) + 5^5) + 5^5$
:= $(6 + 6) \times (66 \times (6 + 6) - 6/6)$
:= $(7 + 7) \times ((7 \times 7 \times (7 + 7)) - (7/7 + 7))$
:= $((88 + 8)/8) \times ((8 \times 88 - 8/8) + 88)$
:= $9 \times 999 + (((9 + 9)/9)^9 - (99/9))$
- 9493 := $11 \times (((1 + 11)^{1+1+1}) / (1 + 1)) - 1$
:= $2/2 + (((2 \times 22) - 2) \times (222 + 2 + 2))$
:= $(3 \times (33 \times (3 \times 33 - 3))) - 33/3$
:= $(4 \times (((4 - 4/4) + 4)^4)) - 444/4$
:= $5 + ((55/5 + 5) \times (5^5/5 - ((5 + 5)/5)^5))$
:= $66 \times (6 + 6) \times (6 + 6) - 66/6$
:= $(7 \times (7 \times (7 + 7) \times (7 + 7))) - 777/7$
:= $88/8 \times (888 - (8/8 + 8 + 8 + 8))$
:= $9 + (((9 \times (9 \times (99 + 9 + 9))) - ((9 + 9)/9)) + 9)$
- 9494 := $1 + (11 \times (((1 + 11)^{1+1+1}) / (1 + 1)) - 1)$
:= $2 + (((2 \times 22) - 2) \times (222 + 2 + 2))$
:= $(3 \times ((33 \times (3 \times 33 - 3)) - 3)) - 3/3$
:= $(4 - 44)/4 + (44 \times (4^4 - 44 + 4))$
:= $(5 \times (5 \times ((5 \times (5 \times (5 + 5 + 5))) + 5))) - (5/5 + 5)$
:= $(6 - 66)/6 + 66 \times (6 + 6) \times (6 + 6)$
:= $((7 - 777)/7) + (7 \times (7 \times (7 + 7) \times (7 + 7)))$
:= $8 + ((8/8 + 8) \times ((88 \times (88 + 8) - (8 + 8))/8))$
:= $9 \times 999 + (((9 + 9)/9)^9) - 9$
- 9495 := $1 + (1 + (11 \times (((1 + 11)^{1+1+1}) / (1 + 1)) - 1))$
:= $(2 \times 22 + 2/2) \times (222 - 22/2)$
:= $3 \times ((33 \times (3 \times 33 - 3)) - 3)$
:= $(44/4 + 4) \times (((4/4 + 4)^4 + 4) + 4)$
:= $(5 \times (5 \times ((5 \times (5 \times (5 + 5 + 5))) + 5))) - 5$
:= $((6 - 66) + 6)/6 + 66 \times (6 + 6) \times (6 + 6)$
:= $((7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7)) - 77/7$
:= $(8/8 + 8) \times ((88 \times (88 + 8) - 8)/8)$
:= $9 + ((9 \times (9 \times (99 + 9 + 9))) + 9)$
- 9496 := $1 + (1 + (1 + (11 \times (((1 + 11)^{1+1+1}) / (1 + 1)) - 1)))$
:= $(22^{2/2+2}) - (2 \times ((22 + 2)^2))$
:= $3/3 + (3 \times ((33 \times (3 \times 33 - 3)) - 3))$
:= $(44 \times (4^4 - 44 + 4)) - 4 - 4$
:= $5/5 + ((5 \times (5 \times ((5 \times (5 \times (5 + 5 + 5))) + 5))) - 5)$
:= $66 \times (6 + 6) \times (6 + 6) - ((6 + 6)/6 + 6)$
:= $(7/7 + 7) \times ((7777 - 7)/7 + 77)$
:= $((88 + 8) \times (88/8 + 88)) - 8$
:= $9 + (9999 - ((9 + 9)/9)^9)$
- 9497 := $((11 \times (((1 + 11)^{1+1+1}) / (1 + 1)) - 1) - 1) / (1 + 1) - 1$
:= $2 + ((2 \times 22 + 2/2) \times (222 - 22/2))$
:= $3 + ((3 \times ((33 \times (3 \times 33 - 3)) - 3)) - 3/3)$
:= $4 + ((4 \times (((4 - 4/4) + 4)^4)) - 444/4)$
:= $5 \times 5 \times 5 + ((5 - (5 + 5)/5) \times (5^5 - 5/5))$
:= $66 \times (6 + 6) \times (6 + 6) - 6/6 - 6$
:= $((7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7)) - ((7 + 7)/7 + 7)$
:= $88 + (((8/8 + 88) + 8)^{(8+8)/8})$
:= $9 + ((9 \times (9 \times (99 + 9 + 9))) + (99/9))$

- 9498 := $((11 \times (((1+11)^{1+1+1}) - 1)) - 1)/(1+1)$
:= $((22 - 2) \times (22^2 + 2)) - 222$
:= $3 + (3 \times (33 \times (3 \times 33 - 3)) - 3)$
:= $(44 \times (4^4 - 44 + 4)) - ((4+4)/4 + 4)$
:= $(5 \times (5 \times ((5 \times (5 \times (5+5+5))) + 5))) - (5+5)/5$
:= $66 \times (6+6) \times (6+6) - 6$
:= $((7+7) \times ((7 \times 7 \times (7+7)) - 7)) - (7/7 + 7)$
:= $8 + (((8/8 + 8 \times 8) + 8) \times (8 \times (8+8) + ((8+8)/8)))$
:= $9 + (9 \times (9 \times (99+9+9))) + (99+9)/9$
- 9499 := $(1 + (11 \times (((1+11)^{1+1+1}) - 1)))/(1+1)$
:= $22 + ((22/2 + 2) \times ((2/2 + 2)^{2+2+2}))$
:= $3 + ((3 \times (33 \times (3 \times 33 - 3)) - 3) + 3/3)$
:= $(44 \times (4^4 - 44 + 4)) - 4/4 - 4$
:= $(5 \times (5 \times ((5 \times (5 \times (5+5+5))) + 5))) - 5/5$
:= $6/6 + (66 \times (6+6) \times (6+6) - 6)$
:= $((7+7) \times ((7 \times 7 \times (7+7)) - 7)) - 7$
:= $8 + (((8/8 - 88) \times (((8 - 888) + 8)/8)) + 8)$
:= $9 + (((99 - ((9+9)/9))^{(9+9)/9}) + 9 \times 9)$
- 9500 := $1 + ((1 + (11 \times (((1+11)^{1+1+1}) - 1)))/(1+1))$
:= $2 \times ((22 \times ((2+2+2)^{2/2+2})) - 2)$
:= $(3/3 + 3) \times (((33 \times (3+3)^3) - 3)/3)$
:= $(44 \times (4^4 - 44 + 4)) - 4$
:= $5 \times (5 \times ((5 \times (5 \times (5+5+5))) + 5))$
:= $(6+6)/6 + (66 \times (6+6) \times (6+6) - 6)$
:= $7/7 + (((7+7) \times ((7 \times 7 \times (7+7)) - 7)) - 7)$
:= $(88/8 + 8) \times (8 \times 8 \times 8 - ((88+8)/8))$
:= $9999 + ((9 - 9 \times 999)/(9+9))$
- 9501 := $(1 + 1 + 1) \times (((1+1) \times (11 \times (1+11)^{1+1})) - 1)$
:= $((2 \times 22) - 2/2) \times (222 - 2/2) - 2$
:= $(3 \times (33 \times (3 \times 33 - 3))) - 3$
:= $4/4 + ((44 \times (4^4 - 44 + 4)) - 4)$
:= $5/5 + (5 \times (5 \times ((5 \times (5 \times (5+5+5))) + 5)))$
:= $66 \times (6+6) \times (6+6) - 6 \times 6/(6+6)$
:= $(7+7)/7 + (((7+7) \times ((7 \times 7 \times (7+7)) - 7)) - 7)$
:= $8 + (88/8 \times (888 - (8/8 + 8 + 8 + 8)))$
:= $9 \times 999 + (((9+9)/9)^9) - ((9+9)/9)$
- 9502 := $(11 \times (((1+11)^{1+1+1})/(1+1))) - 1 - 1$
:= $(22 \times (2 \times 222 - 2)) - 222$
:= $3/3 + ((3 \times (33 \times (3 \times 33 - 3))) - 3)$
:= $(44 \times (4^4 - 44 + 4)) - (4+4)/4$
:= $(5+5)/5 + (5 \times (5 \times ((5 \times (5 \times (5+5+5))) + 5)))$
:= $66 \times (6+6) \times (6+6) - (6+6)/6$
:= $7 + (((7+7) \times ((7 \times 7 \times (7+7)) - 7)) - (77/7))$
:= $((88+8) \times (88/8 + 88)) - (8+8)/8$
:= $9 \times 999 + (((9+9)/9)^9) - 9/9$
- 9503 := $(11 \times (((1+11)^{1+1+1})/(1+1))) - 1$
:= $((2 \times 22) - 2/2) \times (222 - 2/2)$
:= $(3 \times (33 \times (3 \times 33 - 3))) - 3/3$
:= $(44 \times (4^4 - 44 + 4)) - 4/4$
:= $5 \times 5 \times 5 + ((5 - (5+5)/5) \times (5^5 + 5/5))$
:= $66 \times (6+6) \times (6+6) - 6/6$
:= $((7+7) \times ((7 \times 7 \times (7+7)) - 7)) - (7+7+7)/7$
:= $((88+8) \times (88/8 + 88)) - 8/8$
:= $9 \times 999 + ((9+9)/9)^9$
- 9504 := $11 \times (((1+11)^{1+1+1})/(1+1))$
:= $2 \times (22 \times ((2+2+2)^{2/2+2}))$
:= $3 \times (33 \times (3 \times 33 - 3))$
:= $44 \times (4^4 - 44 + 4)$
:= $5 + ((5 \times (5 \times ((5 \times (5 \times (5+5+5))) + 5))) - 5/5)$
:= $66 \times (6+6) \times (6+6)$
:= $(7/7 + 7) \times (7777/7 + 77)$
:= $(88+8) \times (88/8 + 88)$
:= $99 \times (99 - ((9+9+9)/9))$
- 9505 := $1 + (11 \times (((1+11)^{1+1+1})/(1+1)))$
:= $2 + (((2 \times 22) - 2/2) \times (222 - 2/2))$
:= $3/3 + (3 \times (33 \times (3 \times 33 - 3)))$
:= $4/4 + (44 \times (4^4 - 44 + 4))$
:= $5 + (5 \times (5 \times ((5 \times (5 \times (5+5+5))) + 5)))$
:= $6/6 + 66 \times (6+6) \times (6+6)$
:= $((7+7) \times ((7 \times 7 \times (7+7)) - 7)) - 7/7$
:= $8/8 + ((88+8) \times (88/8 + 88))$
:= $((99 - 9/9)^{(9+9)/9}) - 99$
- 9506 := $1 + (1 + (11 \times (((1+11)^{1+1+1})/(1+1))))$
:= $2 + (2 \times (22 \times ((2+2+2)^{2/2+2})))$
:= $3 + ((3 \times (33 \times (3 \times 33 - 3))) - 3/3)$
:= $(4+4)/4 + (44 \times (4^4 - 44 + 4))$
:= $5 + ((5 \times (5 \times ((5 \times (5 \times (5+5+5))) + 5))) + 5/5)$
:= $(6+6)/6 + 66 \times (6+6) \times (6+6)$
:= $(7+7) \times ((7 \times 7 \times (7+7)) - 7)$
:= $(8+8)/8 + ((88+8) \times (88/8 + 88))$
:= $(99 - 9/9) \times (99 - ((9+9)/9))$
- 9507 := $1 + (1 + (1 + (11 \times (((1+11)^{1+1+1})/(1+1))))))$
:= $2 + (((2 \times 22) - 2/2) \times (222 - 2/2)) + 2$
:= $3 + (3 \times (33 \times (3 \times 33 - 3)))$
:= $4 + ((44 \times (4^4 - 44 + 4)) - 4/4)$
:= $(5 - (5+5)/5) \times ((55 - (55/5)) + 5^5)$
:= $(6 \times 6/(6+6)) + 66 \times (6+6) \times (6+6)$
:= $7/7 + ((7+7) \times ((7 \times 7 \times (7+7)) - 7))$
:= $88/8 + (((88+8) \times (88/8 + 88)) - 8)$
:= $9/9 + ((99 - 9/9) \times (99 - ((9+9)/9)))$
- 9508 := $((11 \times (1 + ((1+11)^{1+1+1}))) - 1)/(1+1) - 1$
:= $2 \times ((22 \times ((2+2+2)^{2/2+2})) + 2)$
:= $3 + ((3 \times (33 \times (3 \times 33 - 3))) + 3/3)$
:= $4 + (44 \times (4^4 - 44 + 4))$
:= $5 + (((5 - (5+5)/5) \times (5^5 + 5/5)) + 5 \times 5 \times 5)$
:= $6 + (66 \times (6+6) \times (6+6) - ((6+6)/6))$
:= $(7+7)/7 + ((7+7) \times ((7 \times 7 \times (7+7)) - 7))$
:= $8 + ((88/8 + 8) \times (8 \times 8 \times 8 - ((88+8)/8)))$
:= $99 + ((99 - ((9+9)/9))^{(9+9)/9})$
- 9509 := $((11 \times (1 + ((1+11)^{1+1+1}))) - 1)/(1+1)$
:= $22^2 + ((222/2 - 2^{2+2})^2)$
:= $3 + (((3 \times (33 \times (3 \times 33 - 3))) - 3/3) + 3)$
:= $4 + ((44 \times (4^4 - 44 + 4)) + 4/4)$
:= $((5+5+5) \times (((5^5 - 5)/5 + 5) + 5)) - 5/5$
:= $6 + (66 \times (6+6) \times (6+6) - 6/6)$
:= $(7+7+7)/7 + ((7+7) \times ((7 \times 7 \times (7+7)) - 7))$
:= $((88 - 8) \times (888/8 + 8)) - 88/8$
:= $9 + (((9 - 9 \times 999)/(9+9)) + 9999)$
- 9510 := $(1 + (11 \times (1 + ((1+11)^{1+1+1}))))/(1+1)$
:= $2 + ((2 \times 22 - 2)^2 + (2 \times 2 \times 22)^2)$
:= $3 + ((3 \times (33 \times (3 \times 33 - 3))) + 3)$
:= $4 + ((44 \times (4^4 - 44 + 4)) + (4+4)/4)$
:= $(5+5+5) \times (((5^5 - 5)/5 + 5) + 5)$
:= $6 + 66 \times (6+6) \times (6+6)$
:= $77/7 + (((7+7) \times ((7 \times 7 \times (7+7)) - 7)) - 7)$
:= $((8+8)/8 + 8) \times ((888 - 8/8) + 8 \times 8)$
:= $9 + ((9 \times 999 - ((9+9)/9)) + ((9+9)/9)^9)$
- 9511 := $1 + ((1 + (11 \times (1 + ((1+11)^{1+1+1}))))/(1+1))$
:= $22222/2 - (2 \times (22 - 2))^2$
:= $3 + (((3 \times (33 \times (3 \times 33 - 3))) + 3/3) + 3)$
:= $4 + (((44 \times (4^4 - 44 + 4)) - 4/4) + 4)$
:= $5/5 + ((5+5+5) \times (((5^5 - 5)/5 + 5) + 5))$
:= $6 + (66 \times (6+6) \times (6+6) + 6/6)$
:= $7 + ((7/7 + 7) \times (7777/7 + 77))$
:= $8 + (((88+8) \times (88/8 + 88)) - 8/8)$
:= $9 + ((9 \times 999 - 9/9) + ((9+9)/9)^9)$
- 9512 := $11^{1+1+1} + (((1+1)^{1+1+1}) - 11)$
:= $(2 \times 22 \times 222) - 2^{2 \times (2+2)}$
:= $(3 \times (33 \times (3 \times 33 - 3)) + 3) - 3/3$
:= $4 + ((44 \times (4^4 - 44 + 4)) + 4)$
:= $(5/5 + 5)^5 + (5555 + 5^5)/5$
:= $6 + (66 \times (6+6) \times (6+6) + ((6+6)/6))$
:= $7 + (((7+7) \times ((7 \times 7 \times (7+7)) - 7)) - 7/7)$
:= $8 + ((88+8) \times (88/8 + 88))$
:= $9 + (9 \times 999 + ((9+9)/9)^9)$

$$\begin{aligned}
 \blacktriangleright 9513 &:= (11 \times (1 + (((1+11)^{1+1+1})/(1+1)))) - 1 - 1 \\
 &:= (2/2 + 2)^2 \times (((2 \times 22 + 2)^2 - 2)/2) \\
 &:= 3 \times ((33 \times (3 \times 33 - 3)) + 3) \\
 &:= 4 + (((44 \times (4^4 - 44 + 4)) + 4/4) + 4) \\
 &:= (5/5 + 5)^5 + (((5555 + 5^5) + 5)/5) \\
 &:= 6 + (66 \times (6 + 6) \times (6 + 6) + (6 \times 6/(6 + 6))) \\
 &:= 7 + ((7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7)) \\
 &:= (8/8 + 8) \times ((88 \times (88 + 8) + 8)/8) \\
 &:= 9 + (99 \times (99 - ((9 + 9 + 9)/9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 9514 &:= (11 \times (1 + (((1+11)^{1+1+1})/(1+1)))) - 1 \\
 &:= (2 \times (2 + 2) + 2)^{2+2} - (22^2 + 2) \\
 &:= 3/3 + (3 \times ((33 \times (3 \times 33 - 3)) + 3)) \\
 &:= (44 - 4)/4 + (44 \times (4^4 - 44 + 4)) \\
 &:= (5 \times (55 \times ((5 \times 5 + 5) + 5))) - 555/5 \\
 &:= ((66 - 6)/6) + 66 \times (6 + 6) \times (6 + 6) \\
 &:= 7 + (((7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7)) + 7/7) \\
 &:= 8 + (((88 + 8) \times (88/8 + 88)) + ((8 + 8)/8)) \\
 &:= 9 + (((99 - 9/9)^{(9+9)/9}) - 99)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 9515 &:= 11 \times (1 + (((1+11)^{1+1+1})/(1+1))) \\
 &:= (2 \times (2 + 2) + 2)^{2+2} - (22^2 + 2/2) \\
 &:= 33/3 + (3 \times (33 \times (3 \times 33 - 3))) \\
 &:= 44/4 + (44 \times (4^4 - 44 + 4)) \\
 &:= 5 + ((5 + 5 + 5) \times (((5^5 - 5)/5 + 5) + 5)) \\
 &:= 66/6 + 66 \times (6 + 6) \times (6 + 6) \\
 &:= 7 + (((7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7)) + ((7 + 7)/7)) \\
 &:= 88/8 + ((88 + 8) \times (88/8 + 88)) \\
 &:= 9 + ((99 - 9/9) \times (99 - ((9 + 9)/9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 9516 &:= 1 + (11 \times (1 + (((1+11)^{1+1+1})/(1+1)))) \\
 &:= (2 \times (2 + 2) + 2)^{2+2} - 22^2 \\
 &:= 3 + (3 \times ((33 \times (3 \times 33 - 3)) + 3)) \\
 &:= (4 \times (44 \times 44 + 444)) - 4 \\
 &:= ((55 + 5/5) + 5) \times ((5^5 - 5)/(5 \times 5 - 5)) \\
 &:= 6 + (66 \times (6 + 6) \times (6 + 6) + 6) \\
 &:= (7/7 + 77) \times (777 + 77)/7 \\
 &:= ((88 + 8)/8) \times ((8 \times 88 + 88) + 8/8) \\
 &:= (99 + 9)/9 \times ((99 \times (9 - 9/9)) + 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 9517 &:= 1 + (1 + (11 \times (1 + (((1+11)^{1+1+1})/(1+1)))) \\
 &:= 2/2 + ((2 \times (2 + 2) + 2)^{2+2} - 22^2) \\
 &:= 3 + ((3 \times ((33 \times (3 \times 33 - 3)) + 3)) + 3/3) \\
 &:= 4^4 + (((4 \times 4 + 4/4) + 4)^{4-4/4}) \\
 &:= ((5 \times 5 + 5/5) + 5) \times (5^5 - 55)/(5 + 5) \\
 &:= 6 + ((66 \times (6 + 6) \times (6 + 6) + 6/6) + 6) \\
 &:= 77/7 + ((7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7)) \\
 &:= 8888 + (8 \times (88 - 8) - (88/8)) \\
 &:= 9 + (((99 - ((9 + 9)/9))^{(9+9)/9}) + 99)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 9518 &:= 1 + (1 + (1 + (11 \times (1 + (((1+11)^{1+1+1})/(1+1)))))) \\
 &:= 2 + ((2 \times (2 + 2) + 2)^{2+2} - 22^2) \\
 &:= 3 + ((3 \times (33 \times (3 \times 33 - 3))) + 33/3) \\
 &:= (4 \times (44 \times 44 + 444)) - (4 + 4)/4 \\
 &:= 5 \times 5 \times 5 + ((5 - (5 + 5)/5) \times ((5^5 + 5/5) + 5)) \\
 &:= 6 + ((66 \times (6 + 6) \times (6 + 6) + ((6 + 6)/6)) + 6) \\
 &:= (77 + 7)/7 + ((7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7)) \\
 &:= ((88 - 8) \times (888/8 + 8)) - (8 + 8)/8 \\
 &:= 9 \times (999 + 9) + ((9 \times 9 \times 99 + 9)/(9 + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 9519 &:= (((1 + 1 + 11)^{1+1+1+1}) - 1)/(1 + 1 + 1) - 1 \\
 &:= ((2 - 22) \times (2 - 22^2)) - (22/2)^2 \\
 &:= 3 + ((3 \times ((33 \times (3 \times 33 - 3)) + 3)) + 3) \\
 &:= (4 \times (44 \times 44 + 444)) - 4/4 \\
 &:= ((5 + 5 + 5) \times (5^5/5 + 5 + 5)) - (5/5 + 5) \\
 &:= 6 + ((66 \times (6 + 6) \times (6 + 6) + (6 \times 6/(6 + 6))) + 6) \\
 &:= 7 + (((7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7)) - 7/7) + 7 \\
 &:= (88/8 + 8) \times (8 \times 8 \times 8 - 88/8) \\
 &:= (9/9 + 9 + 9) \times (((9 + 9)/9)^9) - (99/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 9520 &:= (((1 + 1 + 11)^{1+1+1+1}) - 1)/(1 + 1 + 1) \\
 &:= (2 - 22) \times (2 \times (2 + 2) - 22^2) \\
 &:= (3^3 + 3/3) \times (((3/3 + 3 + 3)^3) - 3) \\
 &:= 4 \times (44 \times 44 + 444) \\
 &:= (555 + 5) \times (((55 + 5)/5) + 5) \\
 &:= 6 + (66 \times (6 + 6) \times (6 + 6) + ((66 - 6)/6)) \\
 &:= 7 + (((7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7)) + 7) \\
 &:= (88 - 8) \times (888/8 + 8) \\
 &:= (9/9 - 9 \times 9) \times (((9 - 999)/9) - 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 9521 &:= 1 + (((1 + 1 + 11)^{1+1+1+1}) - 1)/(1 + 1 + 1) \\
 &:= 2/2 + ((2 - 22) \times (2 \times (2 + 2) - 22^2)) \\
 &:= (3 \times ((33 \times (3 \times 33 - 3)) + 3) + 3) - 3/3 \\
 &:= 4/4 + (4 \times (44 \times 44 + 444)) \\
 &:= 5^5 + ((5/5 + 5)^5 - (5 \times 5 \times 55 + 5)) \\
 &:= 6 + (66 \times (6 + 6) \times (6 + 6) + (66/6)) \\
 &:= 7 + (((7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7)) + 7/7) + 7 \\
 &:= 8/8 + ((88 - 8) \times (888/8 + 8)) \\
 &:= 9 + ((9 \times 999 + ((9 + 9)/9)^9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 9522 &:= (1 + 1) \times (((1 + 1 + 1) \times (1 + (11 + 11)))^{1+1}) \\
 &:= 2 \times (((2/2 + 2) \times (22 + 2/2))^2) \\
 &:= 3 \times (((33 \times (3 \times 33 - 3)) + 3) + 3) \\
 &:= (4 + 4)/4 + (4 \times (44 \times 44 + 444)) \\
 &:= (5 - (5 + 5)/5) \times ((55 - (5/5 + 5)) + 5^5) \\
 &:= 6 + ((66 \times (6 + 6) \times (6 + 6) + 6) + 6) \\
 &:= ((7 + 7)/7) \times ((77 - (7/7 + 7))^{(7+7)/7}) \\
 &:= (8 + 8)/8 + ((88 - 8) \times (888/8 + 8)) \\
 &:= (99 \times (99 - ((9 + 9)/9))) - 9 \times 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 9523 &:= 11^{1+1+1} + ((1 + 1)^{1+1+1+1}) \\
 &:= 2/2 + (2 \times (((2/2 + 2) \times (22 + 2/2))^2)) \\
 &:= 3 + ((3^3 + 3/3) \times (((3/3 + 3 + 3)^3) - 3)) \\
 &:= (4 \times (((4 - 4/4) + 4)^4)) - (4 - 4/4)^4 \\
 &:= ((5 + 5 + 5) \times (5^5/5 + 5 + 5)) - (5 + 5)/5 \\
 &:= 6 + (((66 \times (6 + 6) \times (6 + 6) + 6/6) + 6) + 6) \\
 &:= 7 + ((7/7 + 77) \times (777 + 77)/7) \\
 &:= (8/8 + 88) \times ((88/8 + 88) + 8) \\
 &:= ((99 - 9/9)^{(9+9)/9}) - 9 \times 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 9524 &:= 1 + (11^{1+1+1} + ((1 + 1)^{1+1+1+1})) \\
 &:= 2 + (2 \times (((2/2 + 2) \times (22 + 2/2))^2)) \\
 &:= 33/3 + (3 \times ((33 \times (3 \times 33 - 3)) + 3)) \\
 &:= 4 + (4 \times (44 \times 44 + 444)) \\
 &:= ((5 + 5 + 5) \times (5^5/5 + 5 + 5)) - 5/5 \\
 &:= ((6 + 6)/6) \times (((6 + 6)/6)^{6+6}) + 666 \\
 &:= 7 + (((7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7)) + (77/7)) \\
 &:= 8 + (((88 + 8)/8) \times ((8 \times 88 + 88) + 8/8)) \\
 &:= 9 + (((99 - 9/9) \times (99 - ((9 + 9)/9))) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 9525 &:= 1 + (1 + (11^{1+1+1} + ((1 + 1)^{1+1+1+1}))) \\
 &:= (2 \times 22 \times 222) - (22^2 + 2)/2 \\
 &:= 3 + (3 \times (((33 \times (3 \times 33 - 3)) + 3) + 3)) \\
 &:= 4 + ((4 \times (44 \times 44 + 444)) + 4/4) \\
 &:= (5 + 5 + 5) \times (5^5/5 + 5 + 5) \\
 &:= 66 \times (6 + 6) \times (6 + 6) + ((6 \times 6 + 6)/((6 + 6)/6)) \\
 &:= (77 - (7 + 7)/7) \times (7/7 + 77 + 7 \times 7) \\
 &:= (88/8 + 8 \times 8) \times (8 \times (8 + 8) - 8/8) \\
 &:= 9 + ((99 + 9)/9 \times ((99 \times (9 - 9/9)) + 9/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 9526 &:= 11 \times (1 + (1 + (((1+11)^{1+1+1})/(1+1)))) \\
 &:= 22 \times (2 \times 222 - 22/2) \\
 &:= 3 + (((3^3 + 3/3) \times (((3/3 + 3 + 3)^3) - 3)) + 3) \\
 &:= (44/((4 + 4)/4)) \times (444 - 44/4) \\
 &:= 5^5 + ((5/5 + 5)^5 - 5 \times 5 \times 55) \\
 &:= 66/6 \times ((6 \times (6 + 6) \times (6 + 6)) + ((6 + 6)/6)) \\
 &:= (7 \times (7 \times (7 + 7) \times (7 + 7))) - 7/7 - 77 \\
 &:= 88/8 \times (888 - (88 + 88)/8) \\
 &:= 9 + (((99 - ((9 + 9)/9))^{(9+9)/9}) + 99) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 9527 &:= 11111 - (11 \times (1 + 11)^{1+1}) \\
 &:= 2/2 + (22 \times (2 \times 222 - 22/2)) \\
 &:= (3/3 + 3 + 3) \times (((33/3)^3 + 3^3) + 3) \\
 &:= 4 + ((4 \times (((4 - 4/4) + 4)^4)) - (4 - 4/4)^4) \\
 &:= (5 + 5)/5 + ((5 + 5 + 5) \times (5^5/5 + 5 + 5)) \\
 &:= 6 + ((66 \times (6 + 6) \times (6 + 6) + (66/6)) + 6) \\
 &:= (7 \times (7 \times (7 + 7) \times (7 + 7))) - 77 \\
 &:= 8888 + (8 \times (88 - 8) - 8/8) \\
 &:= ((9 - 9/9) \times (9999/9 + 9 \times 9)) - 9
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9528 &:= 1 + (11111 - (11 \times (1 + 11)^{1+1})) \\
&:= 2 + (22 \times (2 \times 222 - 22/2)) \\
&:= 3^3 + ((3 \times (33 \times (3 \times 33 - 3))) - 3) \\
&:= 4 + ((4 \times (44 \times 44 + 444)) + 4) \\
&:= (5 - (5 + 5)/5) \times ((5 \times (5 + 5) + 5^5) + 5/5) \\
&:= (6 + 6) \times (66 \times (6 + 6) + ((6 + 6)/6)) \\
&:= 7/7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) - 77) \\
&:= 8888 + 8 \times (88 - 8) \\
&:= (9 - 9/9) \times (((9999 - 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9529 &:= 1 + (1 + (11111 - (11 \times (1 + 11)^{1+1}))) \\
&:= ((2 - 22) \times (2 - 22^2)) - 222/2 \\
&:= ((3 \times 3 + 3/3) + 3) \times ((3^{3+3} + 3/3) + 3) \\
&:= (4 \times (((4 - 4/4) + 4^4)) - (44 + 4^4)/4) \\
&:= 5 + (((5 + 5 + 5) \times (5^5/5 + 5 + 5)) - 5/5) \\
&:= 6 \times 6 + (66 \times (6 + 6) \times (6 + 6) - (66/6)) \\
&:= (7 + 7)/7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) - 77) \\
&:= 8/8 + (8888 + 8 \times (88 - 8)) \\
&:= 9 + ((9/9 - 9 \times 9) \times (((9 - 999)/9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9530 &:= 11^{1+1} + ((111 - (1 + (1 + 1 + 11)))^{1+1}) \\
&:= ((22 + 2) \times ((22 - 2)^2 - 2)) - 22 \\
&:= 3^3 + ((3 \times (33 \times (3 \times 33 - 3))) - 3/3) \\
&:= 4 + ((44/((4 + 4)/4)) \times (444 - 44/4)) \\
&:= 5 + ((5 + 5 + 5) \times (5^5/5 + 5 + 5)) \\
&:= 6 + (((6 + 6)/6) \times (((6 + 6)/6)^{6+6} + 666)) \\
&:= 7 + (((7/7 + 77) \times (777 + 77)/7) + 7) \\
&:= (8 + 8)/8 + (8888 + 8 \times (88 - 8)) \\
&:= 9 + (((9 \times 999 + (9 + 9)/9^9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9531 &:= 11 + (((1 + 1 + 11)^{1+1+1+1}) - 1)/(1 + 1 + 1) \\
&:= (2/2 + 2)^2 \times (((2 \times 22 + 2)^2 + 2)/2) \\
&:= 3 \times ((33 \times (3 \times 33 - 3)) + 3 \times 3) \\
&:= 44/4 + (4 \times (44 \times 44 + 444)) \\
&:= 5 + (((5 + 5 + 5) \times (5^5/5 + 5 + 5)) + 5/5) \\
&:= (66 \times 6/(6 + 6)) + (66 \times (6 + 6) \times (6 + 6) - 6) \\
&:= 7 + (((7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7)) + (77/7)) + 7) \\
&:= 8 + ((8/8 + 88) \times ((88/8 + 88) + 8)) \\
&:= (9 + 9) \times (((9 + 9)/9)^9 + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9532 &:= (11 \times (1 + 1)^{11}) - ((1 + 1 + 1 + 111)^{1+1}) \\
&:= 2 + (((22 + 2) \times ((22 - 2)^2 - 2)) - 22) \\
&:= 3^3 + ((3 \times (33 \times (3 \times 33 - 3))) + 3/3) \\
&:= 4^4 \times (44 - 4) - 4 \times 4 \times 44 + 4 \\
&:= ((5 - (5 + 5)/5) \times ((55 - 5/5) + 5^5)) - 5 \\
&:= (6 - ((6 + 6)/6)) \times (6 \times 6 \times 66 + 6/6 + 6) \\
&:= 7 + ((77 - (7 + 7)/7) \times (7/7 + 77 + 7 \times 7)) \\
&:= ((88 + 8)/8) + ((88 - 8) \times (888/8 + 8)) \\
&:= 9 + (((99 - 9/9)^{(9+9)/9}) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9533 &:= 11 + ((1 + 1) \times (((1 + 1 + 1) \times (1 + (11 + 11)))^{1+1})) \\
&:= 2 + ((2/2 + 2)^2 \times (((2 \times 22 + 2)^2 + 2)/2)) \\
&:= (3 + 3)^3 + ((3/3 + 3 + 3) \times (33/3)^3) \\
&:= 4 + ((4 \times (((4 - 4/4) + 4^4)) - (44 + 4^4)/4)) \\
&:= 5 + ((5 - (5 + 5)/5) \times ((5 \times (5 + 5) + 5^5) + 5/5)) \\
&:= 6 \times 6 + (66 \times (6 + 6) \times (6 + 6) - (6/6 + 6)) \\
&:= 7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) - (7/7 + 77)) \\
&:= 8 + ((88/8 + 8 \times 8) \times (8 \times (8 + 8) - 8/8)) \\
&:= 9 + (((99 - 9/9) \times (99 - ((9 + 9)/9))) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9534 &:= 11 + (11^{1+1+1} + ((1 + 1)^{1+1+1})) \\
&:= (2/2 + 2) \times ((2 \times (2 \times (22 - 2))^2) - 22) \\
&:= 3 + ((3 \times (33 \times (3 \times 33 - 3))) + 3^3) \\
&:= ((4 \times 4 + 4/4) + 4) \times ((44 - 4)/4 + 444) \\
&:= (5 - (5 + 5)/5) \times ((5^5 - ((5 + 5)/5)) + 55) \\
&:= 6 \times 6 + (66 \times (6 + 6) \times (6 + 6) - 6) \\
&:= 7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) - 77) \\
&:= (8 \times ((8 + 8) \times (88 - 8) - 88)) - (8 + 8)/8 \\
&:= 99/9 + (((99 - 9/9)^{(9+9)/9}) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9535 &:= ((11 + 11)^{1+1+1}) - (1 + (1 + 1111)) \\
&:= (22^{2/2+2}) - ((2222/2) + 2) \\
&:= 3 + (((3 \times (33 \times (3 \times 33 - 3))) + 3^3) + 3/3) \\
&:= 4^4 \times (44 - 4) - 4 \times 4 \times 44 + 4/4 \\
&:= ((5 + 5 + 5) \times ((55 + 5^5)/5)) - 5 \\
&:= 6 \times 6 + ((66 \times (6 + 6) \times (6 + 6) - 6) + 6/6) \\
&:= 7 + (((7 \times (7 \times (7 + 7) \times (7 + 7))) - 77) + 7/7) \\
&:= (8 \times ((8 + 8) \times (88 - 8) - 88)) - 8/8 \\
&:= 9 \times 999 + (99 \times 99 - 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9536 &:= ((11 + 11)^{1+1+1}) - (1 + 1111) \\
&:= 2^{2+2} \times (((22 + 2)^2) - 2) + 22) \\
&:= (33 - 3/3) \times (3 \times 3 \times 33 + 3/3) \\
&:= 4 \times ((44 \times 44 + 444) + 4) \\
&:= (5/5 + 5)^5 + (55 \times ((5 + 5)/5)^5) \\
&:= ((6 + 6)/6)^6 \times (((6 + 6) \times (6 + 6) - 6/6) + 6) \\
&:= 7 + (((7 \times (7 \times (7 + 7) \times (7 + 7))) - 77) + ((7 + 7)/7)) \\
&:= 8 \times ((8 + 8) \times (88 - 8) - 88) \\
&:= (9 - 9/9) \times (9999/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9537 &:= ((11 + 11)^{1+1+1}) - 1111 \\
&:= (22^{2/2+2}) - 2222/2 \\
&:= 33 + (3 \times (33 \times (3 \times 33 - 3))) \\
&:= 4/4 + (4 \times ((44 \times 44 + 444) + 4)) \\
&:= (5 - (5 + 5)/5) \times ((55 - 5/5) + 5^5) \\
&:= (66 \times 6/(6 + 6)) + 66 \times (6 + 6) \times (6 + 6) \\
&:= (7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7)) - (77/7 + 7) \\
&:= 8/8 + (8 \times ((8 + 8) \times (88 - 8) - 88)) \\
&:= 9 + ((9 - 9/9) \times (((9999 - 9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9538 &:= 1 + (((11 + 11)^{1+1+1}) - 1111) \\
&:= 2 + (2^{2+2} \times (((22 + 2)^2) - 2) + 22)) \\
&:= 3/3 + ((3 \times (33 \times (3 \times 33 - 3))) + 33) \\
&:= ((4/4 - 4^4) + 4) \times (((4 + 4)/4 - 44) + 4) \\
&:= ((5 + 5 + 5) \times ((55 + 5^5)/5)) - (5 + 5)/5 \\
&:= 6 \times 6 + (66 \times (6 + 6) \times (6 + 6) - ((6 + 6)/6)) \\
&:= 77/7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) - 77) \\
&:= (888/8 \times (88 - ((8 + 8)/8))) - 8 \\
&:= (9/9 + 9 + 9) \times (((9 + 9)/9)^9 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9539 &:= 1 + (1 + (((11 + 11)^{1+1+1}) - 1111)) \\
&:= 2 + ((22^{2/2+2}) - (2222/2)) \\
&:= 3 + ((33 - 3/3) \times (3 \times 3 \times 33 + 3/3)) \\
&:= (4 \times (((4 - 4/4) + 4^4)) - (4^4 + 4)/4) \\
&:= ((5 + 5 + 5) \times ((55 + 5^5)/5)) - 5/5 \\
&:= 6 \times 6 + (66 \times (6 + 6) \times (6 + 6) - 6/6) \\
&:= (777/7 \times (((7 + 7)/7 + 77) + 7)) - 7 \\
&:= 88/8 + (8888 + 8 \times (88 - 8)) \\
&:= ((9 + 9) \times (((9 + 9)/9)^9 + 9) + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9540 &:= 1 + (1 + (1 + (((11 + 11)^{1+1+1}) - 1111))) \\
&:= (2^{2+2} + 2) \times ((22 \times (22 + 2)) + 2) \\
&:= (3 \times 3 + 3) \times ((33 \times (3^3 - 3)) + 3) \\
&:= 4 \times (((4 - 4/4) + 4^4) - 4 \times 4) \\
&:= (5 + 5 + 5) \times ((55 + 5^5)/5) \\
&:= 6 \times ((66 \times ((6 + 6 + 6) + 6)) + 6) \\
&:= (77 + 7)/7 \times ((77/7 + 777) + 7) \\
&:= (((8 + 8)/8 + 88) + 8)^{(8+8)/8} - 8 \times 8 \\
&:= (9 + 9) \times (((9 + 9)/9)^9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9541 &:= 1 + (1 + (1 + (1 + (((11 + 11)^{1+1+1}) - 1111)))) \\
&:= ((22 + 2) \times ((22 - 2)^2 - 2)) - 22/2 \\
&:= 3/3 + ((3 \times 3 + 3) \times ((33 \times (3^3 - 3)) + 3)) \\
&:= 4/4 + (4 \times (((4 - 4/4) + 4^4) - 4 \times 4)) \\
&:= 5/5 + ((5 + 5 + 5) \times ((55 + 5^5)/5)) \\
&:= 6 \times 6 + (66 \times (6 + 6) \times (6 + 6) + 6/6) \\
&:= (7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7)) - (7 + 7) \\
&:= 8 + (((88/8 + 8 \times 8) \times (8 \times (8 + 8) - 8/8)) + 8) \\
&:= 9/9 + ((9 + 9) \times (((9 + 9)/9)^9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9542 &:= (1 + 1) \times ((111 \times (((1 + 1) \times (11 + 11)) - 1)) - (1 + 1)) \\
&:= (2 \times (22 \times 222 - 2)) - 222 \\
&:= (3^3 - 3/3) \times (((33 \times 33 + 3)/3) + 3) \\
&:= (4 + 4)/4 + (4 \times (((4 - 4/4) + 4^4) - 4 \times 4)) \\
&:= 5 + ((5 - (5 + 5)/5) \times ((55 - 5/5) + 5^5)) \\
&:= 6 \times 6 + (66 \times (6 + 6) \times (6 + 6) + ((6 + 6)/6)) \\
&:= 7/7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7)) - (7 + 7)) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8) - 88)) - ((8 + 8)/8)) \\
&:= (9 + 9)/9 + ((9 + 9) \times (((9 + 9)/9)^9 + 9) + 9)
\end{aligned}$$

- 9543 := $11111 - ((1 + 111) \times (1 + (1 + 1 + 11)))$
:= $(222 \times ((2 \times 22) - 2/2)) - 2/2 - 2$
:= $3 + ((3 \times 3 + 3) \times ((33 \times (3^3 - 3)) + 3))$
:= $4 + ((4 \times (((4 - 4/4) + 4^4)) - (4^4 + 4)/4)$
:= $(5 - (5 + 5)/5) \times ((55 + 5^5) + 5/5)$
:= $66 + ((6/6 + 6 + 6) \times ((6 \times 6/(6 + 6))^6))$
:= $(7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7)) - (77 + 7)/7$
:= $8 + ((8 \times ((8 + 8) \times (88 - 8) - 88)) - 8/8)$
:= $((9 + 9 + 9)/9) + ((9 + 9) \times (((9 + 9)/9)^9 + 9 + 9))$
- 9544 := $(1 + 1) \times ((111 \times (((1 + 1) \times (11 + 11)) - 1)) - 1)$
:= $(222 \times ((2 \times 22) - 2/2)) - 2$
:= $3 + (((3 \times 3 + 3) \times ((33 \times (3^3 - 3)) + 3)) + 3/3)$
:= $4 + (4 \times (((4 - 4/4) + 4^4) - 4 \times 4))$
:= $5 + (((5 + 5 + 5) \times ((55 + 5^5)/5)) - 5/5)$
:= $6 + ((66 \times (6 + 6) \times (6 + 6) - ((6 + 6)/6)) + 6 \times 6)$
:= $(7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7)) - 77/7$
:= $8 + (8 \times ((8 + 8) \times (88 - 8) - 88))$
:= $(9 - 9/9) \times ((9999 + 9)/9 + 9 \times 9)$
- 9545 := $((1 + 1) \times (111 \times (((1 + 1) \times (11 + 11)) - 1))) - 1$
:= $(222 \times ((2 \times 22) - 2/2)) - 2/2$
:= $((3/3 + 3 + 3) \times ((33/3)^3 + 33)) - 3$
:= $4 + ((4 \times (((4 - 4/4) + 4^4) - 4 \times 4)) + 4/4)$
:= $5 + ((5 + 5 + 5) \times ((55 + 5^5)/5))$
:= $6 + ((66 \times (6 + 6) \times (6 + 6) - 6/6) + 6 \times 6)$
:= $((7 - 77)/7) + (7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7))$
:= $8 + ((8 \times ((8 + 8) \times (88 - 8) - 88)) + 8/8)$
:= $99 \times 99 - (((9 + 9)/9)^{9-9/9})$
- 9546 := $(1 + 1) \times (111 \times (((1 + 1) \times (11 + 11)) - 1))$
:= $222 \times ((2 \times 22) - 2/2)$
:= $33 + (3 \times ((33 \times (3 \times 33 - 3)) + 3))$
:= $(44 - 4/4) \times (444/((4 + 4)/4))$
:= $555/5 \times (555/5 - 5 \times 5)$
:= $6 + (66 \times (6 + 6) \times (6 + 6) + 6 \times 6)$
:= $777/7 \times (((7 + 7)/7 + 77) + 7)$
:= $888/8 \times (88 - ((8 + 8)/8))$
:= $9 \times 999 + (9999 - 9)/(9 + 9)$
- 9547 := $1 + ((1 + 1) \times (111 \times (((1 + 1) \times (11 + 11)) - 1)))$
:= $2/2 + (222 \times ((2 \times 22) - 2/2))$
:= $(3 \times (3 \times (3^{3+3} + 333))) - 33/3$
:= $44 + ((44 \times (4^4 - 44 + 4)) - 4/4)$
:= $5 + (((5 - (5 + 5)/5) \times ((55 - 5/5) + 5^5)) + 5)$
:= $6 + ((66 \times (6 + 6) \times (6 + 6) + 6/6) + 6 \times 6)$
:= $(7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7)) - (7/7 + 7)$
:= $8/8 + (888/8 \times (88 - ((8 + 8)/8)))$
:= $(9 \times ((9 \times (99 + 9 + 9)) + 9)) - 99/9$
- 9548 := $11 + (((11 + 11)^{1+1+1}) - 1111)$
:= $2 + (222 \times ((2 \times 22) - 2/2))$
:= $(3/3 + 3 + 3) \times ((33/3)^3 + 33)$
:= $44 + (44 \times (4^4 - 44 + 4))$
:= $5 + ((5 - (5 + 5)/5) \times ((55 + 5^5) + 5/5))$
:= $(6 - ((6 + 6)/6)) \times (6 \times 6 \times 66 + (66/6))$
:= $(7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7)) - 7$
:= $88/8 \times (888 - ((88 + 8)/8 + 8))$
:= $(9 \times ((9 \times (99 + 9 + 9)) + 9)) - 9/9 - 9$
- 9549 := $1 + (11 + (((11 + 11)^{1+1+1}) - 1111))$
:= $2 + ((222 \times ((2 \times 22) - 2/2)) + 2/2)$
:= $3 \times ((3 \times (3^{3+3} + 333)) - 3)$
:= $44 + ((44 \times (4^4 - 44 + 4)) + 4/4)$
:= $5^5 + ((55 \times (55 + 5) - 5/5) + 5^5)$
:= $((6/6 + 6 + 6) \times (((6 \times 6/(6 + 6))^6) + 6)) - 6$
:= $7/7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7)) - 7)$
:= $((88/8 + 8) \times (8 \times 8 \times 8 - (8/8 + 8))) - 8$
:= $(9 \times ((9 \times (99 + 9 + 9)) + 9)) - 9$
- 9550 := $(1 + 1) \times (1 + (1 + (111 \times (((1 + 1) \times (11 + 11)) - 1))))$
:= $((22 + 2) \times ((22 - 2)^2 - 2)) - 2$
:= $3/3 + (3 \times ((3 \times (3^{3+3} + 333)) - 3))$
:= $4 + ((44 - 4/4) \times (444/((4 + 4)/4)))$
:= $5 \times (5^5 - (5 \times ((5 - (5 + 5)/5)^5)))$
:= $6 \times 6 + (66 \times (6 + 6) \times (6 + 6) + ((66 - 6)/6))$
:= $(7 + 7)/7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7)) - 7)$
:= $88 \times (88 + 8) + ((8888 - 8)/8 - 8)$
:= $9/9 + ((9 \times ((9 \times (99 + 9 + 9)) + 9)) - 9)$
- 9551 := $11111 - ((1 + 1 + 11) \times (11^{1+1} - 1))$
:= $((22 + 2) \times ((22 - 2)^2 - 2)) - 2/2$
:= $3 + ((3/3 + 3 + 3) \times ((33/3)^3 + 33))$
:= $4 \times 44 + ((44/4 + 4) \times (4/4 + 4)^4)$
:= $5 + (555/5 \times (555/5 - 5 \times 5))$
:= $6 \times 6 + (66 \times (6 + 6) \times (6 + 6) + (66/6))$
:= $7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7)) - (77/7))$
:= $8888/8 + (88 \times (88 + 8) - 8)$
:= $(9 + 9)/9 + ((9 \times ((9 \times (99 + 9 + 9)) + 9)) - 9)$
- 9552 := $(1 + 1) \times ((1 + 11) \times (((1 + 1) \times (11 - 1))^{1+1} - (1 + 1)))$
:= $(22 + 2) \times ((22 - 2)^2 - 2)$
:= $3 + (3 \times ((3 \times (3^{3+3} + 333)) - 3))$
:= $((44 - 4)/4)^4 - (444 + 4)$
:= $(5 - (5 + 5)/5) \times (((55 - 5/5) + 5^5) + 5)$
:= $6 + ((66 \times (6 + 6) \times (6 + 6) + 6 \times 6) + 6)$
:= $(7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7)) - (7 + 7 + 7)/7$
:= $8 + ((8 \times ((8 + 8) \times (88 - 8) - 88)) + 8)$
:= $(9 - 9/9) \times (((9999 + 9) + 9)/9) + 9 \times 9$
- 9553 := $(1 + (1 + 1 + 1 + 11) \times ((1 + 1)^{11} - 1))/(1 + 1 + 1)$
:= $2/2 + ((22 + 2) \times ((22 - 2)^2 - 2))$
:= $3 + ((3 \times ((3 \times (3^{3+3} + 333)) - 3)) + 3/3)$
:= $4/4 + (((44 - 4)/4)^4 - (444 + 4))$
:= $5 + (((5 - (5 + 5)/5) \times ((55 + 5^5) + 5/5)) + 5)$
:= $6 + (((66 \times (6 + 6) \times (6 + 6) + 6/6) + 6 \times 6) + 6)$
:= $(7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7)) - (7 + 7)/7$
:= $(8 \times (8 \times (8 \times 8 + 88) - 8)) - 888/8$
:= $9999 - ((9 \times 9 \times 99 + 9)/(9 + 9))$
- 9554 := $(111 + (11 \times (((1 + 11)^{1+1+1}) - 1)))/(1 + 1)$
:= $2 + ((22 + 2) \times ((22 - 2)^2 - 2))$
:= $(33/3)^3 + (3 \times ((33/3 + 3)^3 - 3))$
:= $((44 - 4)/4)^4 - (444 + (4 + 4)/4)$
:= $((5 + 5 + 5) \times ((55 + 5^5) + 5/5)) - 5/5$
:= $6 + ((6 - ((6 + 6)/6)) \times (6 \times 6 \times 66 + (66/6)))$
:= $(7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7)) - 7/7$
:= $8 + (888/8 \times (88 - ((8 + 8)/8)))$
:= $9 + (99 \times 99 - (((9 + 9)/9)^{9-9/9}))$
- 9555 := $(11 + (11 - 1)) \times (11 + ((1 + 1) \times (1 + 1) \times 111))$
:= $2 + (((22 + 2) \times ((22 - 2)^2 - 2)) + 2/2)$
:= $(3 \times (3 \times (3^{3+3} + 333))) - 3$
:= $(44 - (4/4 + 4)) \times (4^4 - 44/4)$
:= $(5 + 5 + 5) \times ((55 + 5^5) + 5/5)$
:= $(6/6 + 6 + 6) \times (((6 \times 6/(6 + 6))^6) + 6)$
:= $7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7)$
:= $(8/8 + 8 \times 8) \times ((8 \times (8 + 8) + (88/8)) + 8)$
:= $(9 \times ((9 \times (99 + 9 + 9)) + 9)) - (9 + 9 + 9)/9$
- 9556 := $11111 - (1 + (111 \times (1 + (1 + 1 + 11))))$
:= $2 + (((22 + 2) \times ((22 - 2)^2 - 2)) + 2)$
:= $3/3 + ((3 \times (3 \times (3^{3+3} + 333))) - 3)$
:= $((44 - 4)/4)^4 - 444$
:= $5/5 + ((5 + 5 + 5) \times ((55 + 5^5) + 5/5))$
:= $6/6 + ((6/6 + 6 + 6) \times (((6 \times 6/(6 + 6))^6) + 6))$
:= $7/7 + (7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7))$
:= $8 + (88/8 \times (888 - ((88 + 8)/8 + 8)))$
:= $(9 \times ((9 \times (99 + 9 + 9)) + 9)) - (9 + 9)/9$
- 9557 := $11111 - (111 \times (1 + (1 + 1 + 11)))$
:= $22/2 + (222 \times ((2 \times 22) - 2/2))$
:= $(3 \times (3 \times (3^{3+3} + 333))) - 3/3$
:= $4/4 + (((44 - 4)/4)^4 - 444)$
:= $5 + (((5 - (5 + 5)/5) \times ((55 - 5/5) + 5^5)) + 5)$
:= $6 + ((66 \times (6 + 6) \times (6 + 6) + (66/6)) + 6 \times 6)$
:= $(7 + 7)/7 + (7 \times ((7 \times (7 + 7) \times (7 + 7)) - 7))$
:= $(88/8 + 8) \times (8 \times 8 \times 8 - (8/8 + 8))$
:= $(9/9 + 9 + 9) \times (((9 + 9)/9)^9 - 9)$

- 9558 := $(11 - 1 - 1)^{1+1} \times (11^{1+1} - (1 + 1 + 1))$
:= $(2^{2+2} + 2) \times (((22 + 2/2)^2) + 2)$
:= $3 \times (3 \times (3^{3+3} + 333))$
:= $(4 + 4)/4 + (((44 - 4)/4)^4 - 444)$
:= $(5 - (5 + 5)/5) \times (((55 + 5^5) + 5/5) + 5)$
:= $66 + ((6 + 6) \times (66 \times (6 + 6) - 6/6))$
:= $(77/7 + 7) \times (7 \times 77 - (7/7 + 7))$
:= $88 \times (88 + 8) + (8888 - 8)/8$
:= $9 \times ((9 \times (99 + 9 + 9)) + 9)$
- 9559 := $11 \times (11 \times ((11 - 1 - 1)^{1+1} - (1 + 1)))$
:= $(22/2)^2 \times ((2/2 + 2)^{2+2} - 2)$
:= $3/3 + (3 \times (3 \times (3^{3+3} + 333)))$
:= $(4 \times (((4 - 4/4) + 4)^4)) - (44 + 4/4)$
:= $5 + (((5 + 5 + 5) \times ((55 + 5^5) + 5/5)) - 5/5)$
:= $66 + (66 \times (6 + 6) \times (6 + 6) - (66/6))$
:= $((7 + 7)/7 + 77) \times (((7 + 7)/7)^7 - 7)$
:= $88/8 \times (888 - (88/8 + 8))$
:= $9/9 + (9 \times ((9 \times (99 + 9 + 9)) + 9))$
- 9560 := $1 + (11 \times (11 \times ((11 - 1 - 1)^{1+1} - (1 + 1))))$
:= $(2 - 22) \times (((2 - 22^2) + 2) + 2)$
:= $3 + ((3 \times (3 \times (3^{3+3} + 333))) - 3/3)$
:= $(4 \times (((4 - 4/4) + 4)^4)) - 44$
:= $5 + ((5 + 5 + 5) \times ((55 + 5^5) + 5/5))$
:= $66 + (66 \times (6 + 6) \times (6 + 6) + ((6 - 66)/6))$
:= $7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7) - 7)) - ((7 + 7)/7))$
:= $88 + ((8 + 8) \times ((8 \times (8 \times 8 + 8) + 8) + 8))$
:= $(9 + 9)/9 + (9 \times ((9 \times (99 + 9 + 9)) + 9))$
- 9561 := $1 + (1 + (11 \times (11 \times ((11 - 1 - 1)^{1+1} - (1 + 1))))$
:= $2 + ((22/2)^2 \times ((2/2 + 2)^{2+2} - 2))$
:= $3 + (3 \times (3 \times (3^{3+3} + 333)))$
:= $4/4 + ((4 \times (((4 - 4/4) + 4)^4)) - 44)$
:= $555/5 + ((5 + 5 + 5) \times (5^5/5 + 5))$
:= $6 + ((6/6 + 6 + 6) \times (((6 \times 6/(6 + 6))^6) + 6))$
:= $7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7) - 7)) - 7/7)$
:= $((88 - 8/8) \times 888/8) - (88 + 8)$
:= $(9 + 9 + 9)/9 + (9 \times ((9 \times (99 + 9 + 9)) + 9))$
- 9562 := $(1 + (1 + 1 + 11)) \times ((1 + (1 + 1)^{11})/(1 + 1 + 1))$
:= $2 + ((2 - 22) \times (((2 - 22^2) + 2) + 2))$
:= $3 + ((3 \times (3 \times (3^{3+3} + 333))) + 3/3)$
:= $(4 + 4)/4 + ((4 \times (((4 - 4/4) + 4)^4)) - 44)$
:= $5 \times 5 + ((5 - (5 + 5)/5) \times ((55 - 5/5) + 5^5))$
:= $((6 + 6)/6)^6 + (66 \times (6 + 6) \times (6 + 6) - 6)$
:= $7 + (7 \times ((7 \times (7 + 7) \times (7 + 7) - 7)) - 7)$
:= $((8/8 - 88) \times ((8 - 888)/8)) - 8$
:= $9 + (9999 - ((9 \times 9 \times 99 + 9)/(9 + 9)))$
- 9563 := $1 + (1 + 1 + 1 + 11) \times ((1 + (1 + 1)^{11})/(1 + 1 + 1))$
:= $22/2 + ((22 + 2) \times ((22 - 2)^2 - 2))$
:= $(33/3)^3 + (3 \times (33/3 + 3)^3)$
:= $4 + 4 \times (4 - 4/4 + 4)^4 - (44 + 4/4)$
:= $((5 + 5)/5)^5 \times (5 \times (55 + 5) - 5/5) - 5$
:= $66 + (66 \times (6 + 6) \times (6 + 6) - (6/6 + 6))$
:= $7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7) - 7)) + 7/7)$
:= $8 + ((8/8 + 8 \times 8) \times ((8 \times (8 + 8) + (88/8)) + 8))$
:= $9 + ((99 \times 99 - (((9 + 9)/9)^{9-9/9})) + 9)$
- 9564 := $((11 \times (11 + ((1 + 11)^{1+1+1}))) - 1)/(1 + 1)$
:= $2 + (((2 - 22) \times (((2 - 22^2) + 2) + 2)) + 2)$
:= $3 + ((3 \times (3 \times (3^{3+3} + 333))) + 3)$
:= $4 + ((4 \times (((4 - 4/4) + 4)^4)) - 44)$
:= $((5 + 5) \times ((5 - 5/5)^5 - 5)) - (5^5 + 5)/5$
:= $66 + (66 \times (6 + 6) \times (6 + 6) - 6)$
:= $7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7) - 7)) + ((7 + 7)/7))$
:= $8 \times 8 \times (88 - 8) + (8888/(8 + 8)/8)$
:= $9 + (9 \times ((9 \times (99 + 9 + 9)) + 9)) - ((9 + 9 + 9)/9)$
- 9565 := $(1 + (11 \times (11 + ((1 + 11)^{1+1+1}))))/(1 + 1)$
:= $2 + (((22 + 2) \times ((22 - 2)^2 - 2)) + 22/2)$
:= $3 + (((3 \times (3 \times (3^{3+3} + 333))) + 3/3) + 3)$
:= $4 + (((4 \times (((4 - 4/4) + 4)^4)) - 44) + 4/4)$
:= $5 \times 5 + ((5 + 5 + 5) \times ((55 + 5^5)/5))$
:= $(6 + 6) \times (66 \times (6 + 6) + 6) - 66/6$
:= $7 + ((77/7 + 7) \times (7 \times 77 - (7/7 + 7)))$
:= $8 + ((88/8 + 8) \times (8 \times 8 \times 8 - (8/8 + 8)))$
:= $9 + (9 \times ((9 \times (99 + 9 + 9)) + 9)) - ((9 + 9)/9)$
- 9566 := $1 + ((1 + (11 \times (11 + ((1 + 11)^{1+1+1}))))/(1 + 1))$
:= $(2^{2+2} \times ((22 + 2)^2) + 22) - 2$
:= $3 + ((3 \times (33/3 + 3)^3) + (33/3)^3)$
:= $((4 + 4) \times (4 \times (44 + 4^4) - 4)) - (4 + 4)/4$
:= $((5 - 5^5)/5) + ((5 + 5) \times ((5 - 5/5)^5 - 5))$
:= $(6 - 66)/6 + (6 + 6) \times (66 \times (6 + 6) + 6)$
:= $77/7 + (7 \times ((7 \times (7 + 7) \times (7 + 7) - 7)) - 7)$
:= $8 + ((8888 - 8)/8 + 88 \times (88 + 8))$
:= $9 + (9/9 + 9 + 9) \times (((9 + 9)/9)^9 - 9)$
- 9567 := $(1 + 1 + 1) \times (((1 + 1) \times (11 \times (1 + (1 + 11)^{1+1}))) - 1)$
:= $(22^2 \times (22 - 2)) - (222/2 + 2)$
:= $3 \times ((3 \times (3^{3+3} + 333)) + 3)$
:= $((4 + 4) \times (4 \times (44 + 4^4) - 4)) - 4/4$
:= $5 \times 5 \times 55 + ((5 + 5)/5)^{(55+5+5)/5}$
:= $6 + (((6/6 + 6 + 6) \times (((6 \times 6/(6 + 6))^6) + 6)) + 6)$
:= $(77 + 7)/7 + (7 \times ((7 \times (7 + 7) \times (7 + 7) - 7)) - 7)$
:= $8 + (8888/8 + 88 \times (88 + 8))$
:= $9 + (9 \times ((9 \times (99 + 9 + 9)) + 9))$
- 9568 := $(1 + 1) \times (11 + (111 \times (((1 + 1) \times (11 + 11)) - 1)))$
:= $2^{2+2} \times (((22 + 2)^2) + 22)$
:= $3/3 + (3 \times ((3 \times (3^{3+3} + 333)) + 3))$
:= $(4 + 4) \times (4 \times (44 + 4^4) - 4)$
:= $((5 + 5)/5)^5 \times (5 \times (55 + 5) - 5/5)$
:= $((6 + 6)/6)^6 + 66 \times (6 + 6) \times (6 + 6)$
:= $7 + (((7 \times ((7 \times (7 + 7) \times (7 + 7) - 7)) - 7/7) + 7)$
:= $((88/8 + 8) \times (8 \times 8 \times 8 - 8)) - 8$
:= $9 + ((9 \times ((9 \times (99 + 9 + 9)) + 9)) + 9/9)$
- 9569 := $((111 - 1) \times (111 - ((1 + 1) \times (1 + 11)))) - 1$
:= $(22^2 \times (22 - 2)) - 222/2$
:= $33/3 + (3 \times (3 \times (3^{3+3} + 333)))$
:= $4/4 + ((4 + 4) \times (4 \times (44 + 4^4) - 4))$
:= $(5 \times (55 \times ((5 \times 5 + 5) + 5))) - (55 + 5/5)$
:= $66 + (66 \times (6 + 6) \times (6 + 6) - 6/6)$
:= $7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7) - 7)) + 7)$
:= $((88 - 8/8) \times 888/8) - 88$
:= $99/9 + (9 \times ((9 \times (99 + 9 + 9)) + 9))$
- 9570 := $(111 - 1) \times (111 - ((1 + 1) \times (1 + 11)))$
:= $2 + (2^{2+2} \times ((22 + 2)^2) + 22)$
:= $(3 - 333) \times ((3/3 - 33) + 3)$
:= $(4 + 4)/4 + ((4 + 4) \times (4 \times (44 + 4^4) - 4))$
:= $55 \times ((5 \times ((5 \times 5 + 5) + 5)) - 5/5)$
:= $66 + 66 \times (6 + 6) \times (6 + 6)$
:= $7 + (((7 \times ((7 \times (7 + 7) \times (7 + 7) - 7)) + 7/7) + 7)$
:= $(8/8 - 88) \times ((8 - 888)/8)$
:= $99/9 \times (9 \times 99 - ((99 + 9)/9 + 9))$
- 9571 := $1 + ((111 - 1) \times (111 - ((1 + 1) \times (1 + 11))))$
:= $2 + ((22^2 \times (22 - 2)) - 222/2)$
:= $((3 \times 33 - 3/3)^{3-3/3}) - 33$
:= $(4 \times (((4 - 4/4) + 4)^4) - (4 + 4)) - 4/4$
:= $5/5 + (55 \times ((5 \times ((5 \times 5 + 5) + 5)) - 5/5))$
:= $66 + (66 \times (6 + 6) \times (6 + 6) + 6/6)$
:= $7 + (((7 \times ((7 \times (7 + 7) \times (7 + 7) - 7)) + ((7 + 7)/7)) + 7)$
:= $8/8 + ((8/8 - 88) \times ((8 - 888)/8))$
:= $9 \times (9 + 9) + ((99 - (9 + 9)/9))^{(9+9)/9}$
- 9572 := $1 + (1 + ((111 - 1) \times (111 - ((1 + 1) \times (1 + 11))))$
:= $2 + ((2^{2+2} \times ((22 + 2)^2) + 22) + 2)$
:= $(33/3)^3 + (3 \times ((33/3 + 3)^3 + 3))$
:= $4 \times (((4 - 4/4) + 4)^4) - (4 + 4)$
:= $(5 + 5)/5 + (55 \times ((5 \times ((5 \times 5 + 5) + 5)) - 5/5))$
:= $66 + (66 \times (6 + 6) \times (6 + 6) + ((6 + 6)/6))$
:= $(77/7 - 7) \times (7 \times 7 \times 7 - (7/7 + 7))$
:= $(8 + 8)/8 + ((8/8 - 88) \times ((8 - 888)/8))$
:= $(99 \times (99 + 9)) - (9999/9 + 9)$

- 9573 := $(1+1+1) \times (1 + ((1+1) \times (11 \times (1 + (1+11)^{1+1}))))$
:= $2 + (((22^2 \times (22-2)) - 222/2) + 2)$
:= $3 + ((3-333) \times ((3/3-33) + 3))$
:= $4/4 + (4 \times (((4-4/4) + 4^4) - (4+4)))$
:= $5 + (((5+5)/5)^5 \times (5 \times (55+5) - 5/5))$
:= $(6+6) \times (66 \times (6+6) + 6) - 6 \times 6/(6+6)$
:= $7 + ((7 \times ((7 \times (7+7) \times (7+7)) - 7)) + (77/7))$
:= $8 \times 88 + (8888 - (88/8 + 8))$
:= $99 + ((9 \times (9 \times (99+9+9))) - ((9+9+9)/9))$
- 9574 := $(1+1) \times (((1+11) \times (((1+1) \times (11-1))^{1+1} - 1)) - 1)$
:= $22 + ((22+2) \times ((22-2)^2 - 2))$
:= $3 + (((3 \times 33 - 3/3)^{3-3/3}) - 33)$
:= $(4+4)/4 + (4 \times (((4-4/4) + 4^4) - (4+4)))$
:= $(5 \times ((55 \times ((5 \times 5 + 5) + 5)) - (5+5))) - 5/5$
:= $(6+6) \times (66 \times (6+6) + 6) - (6+6)/6$
:= $(77 \times (77+7 \times 7)) - ((7+7)/7)^7$
:= $((88/8+8) \times (8 \times 8 \times 8 - 8)) - (8+8)/8$
:= $99 + ((9 \times (9 \times (99+9+9))) - ((9+9)/9))$
- 9575 := $1111 + ((11 + (11-1-1)^{1+1})^{1+1})$
:= $(2222/2) + ((2 \times (2 \times 22 + 2))^2)$
:= $((3^3 - 3) \times ((33 \times (3 \times 3 + 3)) + 3)) - 3/3$
:= $4 + ((4 \times (((4-4/4) + 4^4) - (4+4))) - 4/4)$
:= $5 \times ((55 \times ((5 \times 5 + 5) + 5)) - (5+5))$
:= $(6+6) \times (66 \times (6+6) + 6) - 6/6$
:= $((77+7 \times 7) \times (77-7/7)) - 7/7$
:= $((88/8+8) \times (8 \times 8 \times 8 - 8)) - 8/8$
:= $99 + ((9 \times (9 \times (99+9+9))) - 9/9)$
- 9576 := $(1+1) \times ((1+11) \times (((1+1) \times (11-1))^{1+1} - 1))$
:= $(22+2) \times ((22-2)^2 - 2/2)$
:= $(3^3 - 3) \times ((33 \times (3 \times 3 + 3)) + 3)$
:= $4 + (4 \times (((4-4/4) + 4^4) - (4+4)))$
:= $(5/5 + 5)^5 + (5 \times 5 + 5) \times (55 + 5)$
:= $(6+6) \times (66 \times (6+6) + 6)$
:= $(77+7 \times 7) \times (77-7/7)$
:= $(88/8+8) \times (8 \times 8 \times 8 - 8)$
:= $99 + (9 \times (9 \times (99+9+9)))$
- 9577 := $(111^{1+1}) - (1+1+1+11)^{1+1+1}$
:= $2/2 + ((22+2) \times ((22-2)^2 - 2/2))$
:= $((3 \times 33 - 3/3)^{3-3/3}) - 3^3$
:= $(4 \times (((4-4/4) + 4^4) - 4)) - 44/4$
:= $5/5 + ((5 \times 5 + 5) \times (55+5) + (5/5+5)^5)$
:= $6/6 + (6+6) \times (66 \times (6+6) + 6)$
:= $7/7 + ((77+7 \times 7) \times (77-7/7))$
:= $8/8 + ((88/8+8) \times (8 \times 8 \times 8 - 8))$
:= $9/9 + ((9 \times (9 \times (99+9+9))) + 99)$
- 9578 := $1 + ((111^{1+1}) - (1+1+1+11)^{1+1+1})$
:= $((22+2) \times (22-2)^2) - 22$
:= $3 + (((3^3 - 3) \times ((33 \times (3 \times 3 + 3)) + 3)) - 3/3)$
:= $(4-44)/4 + (4 \times (((4-4/4) + 4^4) - 4))$
:= $5 + (((5+5)/5)^5 \times (5 \times (55+5) - 5/5)) + 5$
:= $(6+6)/6 + (6+6) \times (66 \times (6+6) + 6)$
:= $(7+7)/7 + ((77+7 \times 7) \times (77-7/7))$
:= $8 + ((8/8-88) \times ((8-888)/8))$
:= $9 + ((9 \times (9 \times (99+9+9)) + 9) + (99/9))$
- 9579 := $((11 \times (11-1-1))^{1+1}) - (1+1) \times 111$
:= $((22/2)^2 - 22)^2 - 222$
:= $3 + ((3^3 - 3) \times ((33 \times (3 \times 3 + 3)) + 3))$
:= $4^4 + ((44 \times (4^4 - 44)) - (4/4 + 4))$
:= $((55/5 + 5) \times ((5^5 - 5)/5 - 5 \times 5)) - 5$
:= $(6 \times 6/(6+6)) + (6+6) \times (66 \times (6+6) + 6)$
:= $(7 \times (7 \times (7+7) \times (7+7))) - (77/7 + 7 + 7)$
:= $8 + (((8/8-88) \times ((8-888)/8)) + 8/8)$
:= $999/9 + ((9 \times (9 \times (99+9+9))) - 9)$
- 9580 := $1 + (((11 \times (11-1-1))^{1+1}) - (1+1) \times 111)$
:= $2 + (((22+2) \times (22-2)^2) - 22)$
:= $3 + (((3 \times 33 - 3/3)^{3-3/3}) - 3^3)$
:= $4^4 + ((44 \times (4^4 - 44)) - 4)$
:= $5 + (5 \times ((55 \times ((5 \times 5 + 5) + 5)) - (5+5)))$
:= $6 + ((6+6) \times (66 \times (6+6) + 6) - ((6+6)/6))$
:= $(77/7 - 7) \times ((7 \times 7 \times 7 \times 7 - 7) + 7/7)$
:= $8 \times 88 + (8888 - ((88+8)/8))$
:= $(99 \times (99+9)) - (9999+9)/9$
- 9581 := $11 \times (1111 - ((1+1) \times (11^{1+1} - 1)))$
:= $2 + (((22/2)^2 - 22)^2) - 222$
:= $33 + ((3/3 + 3 + 3) \times ((33/3)^3 + 33))$
:= $4 + ((4 \times (((4-4/4) + 4^4) - 4)) - 44/4)$
:= $5 + ((5 \times 5 + 5) \times (55+5) + (5/5+5)^5)$
:= $6 + ((6+6) \times (66 \times (6+6) + 6) - 6/6)$
:= $7 + ((77 \times (77+7 \times 7)) - ((7+7)/7)^7)$
:= $8 \times 88 + (8888 - (88/8))$
:= $99/9 \times (9 \times 99 - (99/9+9))$
- 9582 := $((111-1-1-11)^{1+1}) - 11 - 11$
:= $((2 \times 2 \times (22+2) + 2)^2) - 22$
:= $(3 \times (3 \times 33 \times 33)) - ((3+3)^3 + 3)$
:= $4^4 + ((44 \times (4^4 - 44)) - (4+4)/4)$
:= $5^5 + (55/5 \times (((5+5)/5)^5 + 555))$
:= $6 + (6+6) \times (66 \times (6+6) + 6)$
:= $7 + (((77+7 \times 7) \times (77-7/7)) - 7/7)$
:= $8 \times 88 + ((8-88)/8 + 8888)$
:= $99 \times 99 - ((999/9+99) + 9)$
- 9583 := $1 + (((111-1-1-11)^{1+1}) - (11+11))$
:= $2/2 + (((2 \times 2 \times (22+2) + 2)^2) - 22)$
:= $333 + (((3 \times (3+3)) + 3)^3) - 33/3$
:= $4^4 + ((44 \times (4^4 - 44)) - 4/4)$
:= $((5+5)/5 + 5) \times (5 \times 5 \times 55 - (5/5+5))$
:= $6 + ((6+6) \times (66 \times (6+6) + 6) + 6/6)$
:= $7 + ((77+7 \times 7) \times (77-7/7))$
:= $8 \times 88 + (8888 - (8/8+8))$
:= $((9+9)/9)^9 + (9 \times (999+9) - 9/9)$
- 9584 := $(1+1)^{1+1+1} \times ((11 \times (111-1-1)) - 1)$
:= $2 + (((2 \times 2 \times (22+2) + 2)^2) - 22)$
:= $((3-3/3)^{3 \times 3}) + (3^3 \times (333+3))$
:= $4 \times (((4+4) \times (44+4^4)) - 4)$
:= $(55/5 + 5) \times ((5^5 - 5)/5 - 5 \times 5)$
:= $6 + ((6+6) \times (66 \times (6+6) + 6) + ((6+6)/6))$
:= $7 + (((77+7 \times 7) \times (77-7/7)) + 7/7)$
:= $8 \times 88 + (8888 - 8)$
:= $((9+9)/9)^9 + 9 \times (999+9)$
- 9585 := $1 + ((1+1)^{1+1+1} \times ((11 \times (111-1-1)) - 1))$
:= $2 + (((2 \times 2 \times (22+2) + 2)^2) - 22) + 2/2$
:= $3 \times ((33 \times (3 \times 33 - 3)) + 3^3)$
:= $4/4 + ((44 \times (4^4 - 44)) + 4^4)$
:= $(5+5+5) \times (((5^5 - 5)/5 + 5) + 5) + 5$
:= $6 + ((6+6) \times (66 \times (6+6) + 6) + (6 \times 6/(6+6)))$
:= $((7+7)/7)^7 + 7 \times ((7/7 - 7) + 77)$
:= $8/8 + ((8888 - 8) + 8 \times 88)$
:= $9 + ((9 \times (9 \times (99+9+9))) + 99)$
- 9586 := $1 + (1 + ((1+1)^{1+1+1} \times ((11 \times (111-1-1)) - 1)))$
:= $(2 \times ((22 \times (222-2-2)) - 2)) - 2$
:= $3/3 + (3 \times ((33 \times (3 \times 33 - 3)) + 3^3))$
:= $(4 \times (((4-4/4) + 4^4) - 4)) - (4+4)/4$
:= $55 \times 55 + ((5-5/5+5)^{5-5/5})$
:= $((66-6)/6) + (6+6) \times (66 \times (6+6) + 6)$
:= $(7 \times (7 \times (7+7) \times (7+7))) - (77/7+7)$
:= $8 + (((8/8-88) \times ((8-888)/8)) + 8)$
:= $((99-9/9)^{(9+9)/9}) - (9+9)$
- 9587 := $((1+11) \times (((1+1) \times ((1+1) \times (11-1))^{1+1}) - 1)) - 1$
:= $((22+2) \times (22-2)^2) - (22/2+2)$
:= $3 + ((3^3 \times (333+3)) + ((3-3/3)^{3 \times 3}))$
:= $(4 \times (((4-4/4) + 4^4) - 4)) - 4/4$
:= $5^5 + ((5+5)/5 \times ((555/5-5) + 5^5))$
:= $66/6 + (6+6) \times (66 \times (6+6) + 6)$
:= $77/7 + ((77+7 \times 7) \times (77-7/7))$
:= $88/8 + ((88/8+8) \times (8 \times 8 \times 8 - 8))$
:= $9/9 + (((99-9/9)^{(9+9)/9}) - (9+9))$

- 9588 := $(1 + 11) \times (((1 + 1) \times ((1 + 1) \times (11 - 1))^{1+1}) - 1)$
:= $2 \times ((22 \times (222 - 2 - 2)) - 2)$
:= $3 + (3 \times ((33 \times (3 \times 33 - 3)) + 3^3))$
:= $4 \times (((4 - 4/4) + 4^4) - 4)$
:= $5 + (((5 + 5)/5 + 5) \times (5 \times 5 \times 55 - (5/5 + 5)))$
:= $6 + ((6 + 6) \times (66 \times (6 + 6) + 6) + 6)$
:= $((7 + 7)/7) \times (7 \times 7 \times 7 \times (7 + 7) - (7/7 + 7))$
:= $8 \times 88 + (8888 - 8 \times 8/(8 + 8))$
:= $999/9 + (9 \times (9 \times (99 + 9 + 9)))$
- 9589 := $(1 + (1 + 1) \times 111) \times (((1 + 1) \times (11 + 11)) - 1)$
:= $((2 \times 22) - 2/2) \times (222 + 2/2)$
:= $3 + ((3 \times ((33 \times (3 \times 33 - 3)) + 3^3)) + 3/3)$
:= $4/4 + (4 \times (((4 - 4/4) + 4^4) - 4))$
:= $5 + ((55/5 + 5) \times ((5^5 - 5)/5 - 5 \times 5))$
:= $6 + (((6 + 6) \times (66 \times (6 + 6) + 6) + 6/6) + 6)$
:= $(7 \times (7 \times (7 + 7) \times (7 + 7))) - (7/7 + 7 + 7)$
:= $((8 + 8) \times (8 \times 8 \times 8 + 88)) - 88/8$
:= $((999 + 9)/9) + (9 \times (9 \times (99 + 9 + 9)))$
- 9590 := $1 + ((1 + (1 + 1) \times 111) \times (((1 + 1) \times (11 + 11)) - 1))$
:= $(2 \times (22 \times (222 - 2 - 2))) - 2$
:= $333 + (((3 \times (3 + 3)) + 3^3) - (3/3 + 3))$
:= $(4 + 4)/4 + (4 \times (((4 - 4/4) + 4^4) - 4))$
:= $((5 + 5)/5 + 5) \times (5 \times 5 \times 55 - 5)$
:= $6 + (((6 + 6) \times (66 \times (6 + 6) + 6) + (6 + 6)/6) + 6)$
:= $(7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7/7)$
:= $8 \times 88 + (8888 - ((8 + 8)/8))$
:= $9 + ((99/9) \times (9 \times 99 - (99/9 + 9)))$
- 9591 := $((111 - 1 - 1 - 11)^{1+1}) - 1 - 1 - 11$
:= $(2 \times (22 \times (222 - 2 - 2))) - 2/2$
:= $333 + (((3 \times (3 + 3)) + 3^3) - 3)$
:= $4 + ((4 \times (((4 - 4/4) + 4^4) - 4)) - 4/4)$
:= $5/5 + (((5 + 5)/5 + 5) \times (5 \times 5 \times 55 - 5))$
:= $6 \times 6 + ((6/6 + 6 + 6) \times (((6 \times 6/(6 + 6))^6) + 6))$
:= $7/7 + ((7 + 7) \times ((7 \times 7 \times (7 + 7)) - 7/7))$
:= $8 \times 88 + (8888 - 8/8)$
:= $99 \times 99 - (999/9 + 99)$
- 9592 := $11 \times ((1 + 1)^{1+1+1} \times (111 - 1 - 1))$
:= $2 \times (22 \times (222 - 2 - 2))$
:= $3/3 + (((3 \times (3 + 3)) + 3^3) - 3) + 333$
:= $4 + (4 \times (((4 - 4/4) + 4^4) - 4))$
:= $55 + ((5 - (5 + 5)/5) \times ((55 - 5/5) + 5^5))$
:= $6 + ((6 + 6) \times (66 \times (6 + 6) + 6) + ((66 - 6)/6))$
:= $(7 \times (7 \times (7 + 7) \times (7 + 7))) - (77 + 7)/7$
:= $8 \times 88 + 8888$
:= $99/9 \times (9 \times 99 - (9/9 + 9 + 9))$
- 9593 := $((111 - 1 - 1 - 11)^{1+1}) - 11$
:= $2/2 + (2 \times (22 \times (222 - 2 - 2)))$
:= $333 + (((3 \times (3 + 3)) + 3^3) - 3/3)$
:= $(4 \times (((4 - 4/4) + 4^4)) - 44/4)$
:= $(5 \times (55 \times ((5 \times 5 + 5) + 5))) - ((5 + 5)/5)^5$
:= $6 + ((6 + 6) \times (66 \times (6 + 6) + 6) + (66/6))$
:= $(7 \times (7 \times (7 + 7) \times (7 + 7))) - 77/7$
:= $8/8 + (8888 + 8 \times 88)$
:= $9 + (9 \times (999 + 9) + ((9 + 9)/9)^9)$
- 9594 := $1 + (((111 - 1 - 1 - 11)^{1+1}) - 11)$
:= $2 + (2 \times (22 \times (222 - 2 - 2)))$
:= $333 + (((3 \times (3 + 3)) + 3^3)$
:= $(4 - 44)/4 + (4 \times (((4 - 4/4) + 4^4))$
:= $(5 \times ((55 + 5) \times ((5 + 5)/5)^5)) - (5/5 + 5)$
:= $6 + (((6 + 6) \times (66 \times (6 + 6) + 6) + 6) + 6)$
:= $((7 - 77)/7) + (7 \times (7 \times (7 + 7) \times (7 + 7)))$
:= $(8 + 8)/8 + (8888 + 8 \times 88)$
:= $(99 + 9 + 9) \times (9/9 + 9 \times 9)$
- 9595 := $1 + (1 + (((111 - 1 - 1 - 11)^{1+1}) - 11))$
:= $2 + ((2 \times (22 \times (222 - 2 - 2))) + 2/2)$
:= $3/3 + (((3 \times (3 + 3)) + 3^3) + 333)$
:= $(4 \times (((4 - 4/4) + 4^4)) - (4/4 + 4 + 4))$
:= $(5 \times ((55 + 5) \times ((5 + 5)/5)^5)) - 5$
:= $6 + (((6 + 6) \times (66 \times (6 + 6) + 6) + 6/6) + 6) + 6)$
:= $(7 \times (7 \times (7 + 7) \times (7 + 7))) - ((7 + 7)/7 + 7)$
:= $(88/8 + 8) \times ((8 \times 8 \times 8 - 8) + 8/8)$
:= $((99 - 9/9)^{(9+9)/9}) - 9$
- 9596 := $1 + (1 + (1 + (((111 - 1 - 1 - 11)^{1+1}) - 11)))$
:= $2 \times ((22 \times (222 - 2 - 2)) + 2)$
:= $3 + (((3 \times (3 + 3)) + 3^3) - 3/3) + 333$
:= $(4 \times (((4 - 4/4) + 4^4)) - 4 - 4)$
:= $5/5 + ((5 \times ((55 + 5) \times ((5 + 5)/5)^5)) - 5)$
:= $6 + (((6 + 6) \times (66 \times (6 + 6) + 6) + (6 + 6)/6) + 6) + 6)$
:= $(7 \times (7 \times (7 + 7) \times (7 + 7))) - (7/7 + 7)$
:= $((((8 + 8)/8 + 88) + 8)^{(8+8)/8}) - 8$
:= $9/9 + (((99 - 9/9)^{(9+9)/9}) - 9)$
- 9597 := $((1 + 1) \times (((1 + 11) \times ((1 + 1) \times (11 - 1))^{1+1}) - 1))$
:= $((22 + 2) \times (22 - 2)^2) - 2/2 - 2$
:= $3 + (((3 \times (3 + 3)) + 3^3) + 333)$
:= $4 + ((4 \times (((4 - 4/4) + 4^4)) - 44/4)$
:= $5^5 + ((5 + 5)/5 \times (555/5 + 5^5))$
:= $(6/6 + 6) \times ((6 \times (6 \times 6 \times 6 - 6)) + 666/6)$
:= $(7 \times (7 \times (7 + 7) \times (7 + 7))) - 7$
:= $8 + (((8 + 8) \times (8 \times 8 \times 8 + 88)) - (88/8))$
:= $9 + ((9 \times (9 \times (99 + 9 + 9))) + 999/9)$
- 9598 := $(1 + 1) \times (((1 + 11) \times ((1 + 1) \times (11 - 1))^{1+1}) - 1)$
:= $((22 + 2) \times (22 - 2)^2) - 2$
:= $((3 \times 33 - 3/3)^{3-3/3}) - 3 - 3$
:= $(4 \times (((4 - 4/4) + 4^4)) - ((4 + 4)/4 + 4)$
:= $(5 \times ((55 + 5) \times ((5 + 5)/5)^5)) - (5 + 5)/5$
:= $(((((666 - 6)/6) - (6 + 6))^{(6+6)/6}) - 6$
:= $7/7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) - 7)$
:= $((8 + 8) \times (8 \times 8 \times 8 + 88)) - (8 + 8)/8$
:= $9 + ((9 \times (9 \times (99 + 9 + 9))) + ((999 + 9)/9))$
- 9599 := $((1 + 1) \times ((1 + 11) \times ((1 + 1) \times (11 - 1))^{1+1})) - 1$
:= $((22 + 2) \times (22 - 2)^2) - 2/2$
:= $((3^3 - 3/3) + 3) \times ((333 - 3) + 3/3)$
:= $(4 \times (((4 - 4/4) + 4^4)) - 4/4 - 4$
:= $(5 \times ((55 + 5) \times ((5 + 5)/5)^5)) - 5/5$
:= $66666/6 - 6 \times 6 \times (6 \times 6 + 6)$
:= $(7 + 7)/7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) - 7)$
:= $((8 + 8) \times (8 \times 8 \times 8 + 88)) - 8/8$
:= $9999 - ((99/9 + 9)^{(9+9)/9})$
- 9600 := $(1 + 1) \times ((1 + 11) \times ((1 + 1) \times (11 - 1))^{1+1})$
:= $(22 + 2) \times (22 - 2)^2$
:= $(33 - 3/3) \times (3 \times 3 \times 33 + 3)$
:= $4 \times ((4 + 4) \times (44 + 4^4))$
:= $5 \times ((55 + 5) \times ((5 + 5)/5)^5)$
:= $((6 + 6)/6)^6 \times ((6 + 6) \times (6 + 6) + 6)$
:= $((7 + 7)/7)^7 \times (77 - (7 + 7)/7)$
:= $(8 + 8) \times (8 \times 8 \times 8 + 88)$
:= $(9 \times 9 - 9/9) \times (999/9 + 9)$
- 9601 := $((111 - 1 - 1 - 11)^{1+1}) - 1 - 1 - 1$
:= $2/2 + ((22 + 2) \times (22 - 2)^2)$
:= $((3 \times 33 - 3/3)^{3-3/3}) - 3$
:= $4/4 + (4 \times ((4 + 4) \times (44 + 4^4)))$
:= $5/5 + (5 \times ((55 + 5) \times ((5 + 5)/5)^5))$
:= $6/6 + (((6 + 6)/6)^6 \times ((6 + 6) \times (6 + 6) + 6))$
:= $(7 \times (7 \times (7 + 7) \times (7 + 7))) - (7 + 7 + 7)/7$
:= $8/8 + ((8 + 8) \times (8 \times 8 \times 8 + 88))$
:= $(99 \times (99 - ((9 + 9)/9))) - (9 + 9)/9$
- 9602 := $((111 - 1 - 1 - 11)^{1+1}) - 1 - 1$
:= $2 + ((22 + 2) \times (22 - 2)^2)$
:= $(33 \times (3 \times (3 \times 33 - 3) + 3)) - 3/3$
:= $(4 \times (((4 - 4/4) + 4^4)) - (4 + 4)/4$
:= $(5 + 5)/5 + (5 \times ((55 + 5) \times ((5 + 5)/5)^5))$
:= $(6 + 6)/6 + (((6 + 6)/6)^6 \times ((6 + 6) \times (6 + 6) + 6))$
:= $(7 \times (7 \times (7 + 7) \times (7 + 7))) - (7 + 7)/7$
:= $(8 + 8)/8 + ((8 + 8) \times (8 \times 8 \times 8 + 88))$
:= $(99 \times (99 - ((9 + 9)/9))) - 9/9$

- ▶ 9603 := $((111 - 1 - 1 - 11)^{1+1}) - 1$
:= $((2 \times 2 \times (22 + 2) + 2)^2) - 2/2$
:= $33 \times (3 \times (3 \times 33 - 3) + 3)$
:= $(4 \times (((4 - 4/4) + 4)^4)) - 4/4$
:= $5 + ((5 \times ((55 + 5) \times ((5 + 5)/5)^5)) - ((5 + 5)/5))$
:= $66/6 \times (((6 \times 6/(6 + 6))^6) + (6 + 6) \times (6 + 6))$
:= $(7 \times (7 \times (7 + 7) \times (7 + 7))) - 7/7$
:= $88/8 + (8888 + 8 \times 88)$
:= $99 \times (99 - ((9 + 9)/9))$
- ▶ 9604 := $(111 - 1 - 1 - 11)^{1+1}$
:= $(2 \times 2 \times (22 + 2) + 2)^2$
:= $(3 \times 33 - 3/3)^{3-3/3}$
:= $4 \times (((4 - 4/4) + 4)^4)$
:= $(5 - 5/5) \times (((5 + 5)/5 + 5)^{5-5/5})$
:= $((666 - 6)/6) - (6 + 6)^{(6+6)/6}$
:= $7 \times (7 \times (7 + 7) \times (7 + 7))$
:= $((8 + 8)/8 + 88) + 8^{(8+8)/8}$
:= $(99 - 9/9)^{(9+9)/9}$
- ▶ 9605 := $1 + ((111 - 1 - 1 - 11)^{1+1})$
:= $2/2 + ((2 \times 2 \times (22 + 2) + 2)^2)$
:= $3/3 + ((3 \times 33 - 3/3)^{3-3/3})$
:= $4/4 + (4 \times (((4 - 4/4) + 4)^4))$
:= $5 + (5 \times ((55 + 5) \times ((5 + 5)/5)^5))$
:= $6 + (66666/6 - 6 \times 6 \times (6 \times 6 + 6))$
:= $7/7 + (7 \times (7 \times (7 + 7) \times (7 + 7)))$
:= $8/8 + (((8 + 8)/8 + 88) + 8)^{(8+8)/8}$
:= $9/9 + ((99 - 9/9)^{(9+9)/9})$
- ▶ 9606 := $1 + (1 + ((111 - 1 - 1 - 11)^{1+1}))$
:= $2 + ((2 \times 2 \times (22 + 2) + 2)^2)$
:= $3 + (33 \times (3 \times (3 \times 33 - 3) + 3))$
:= $(4 + 4)/4 + (4 \times (((4 - 4/4) + 4)^4))$
:= $5 + ((5 \times ((55 + 5) \times ((5 + 5)/5)^5)) + 5/5)$
:= $6 + (((6 + 6)/6)^6 \times ((6 + 6) \times (6 + 6) + 6))$
:= $(7 + 7)/7 + (7 \times (7 \times (7 + 7) \times (7 + 7)))$
:= $8 + (((8 + 8) \times (8 \times 8 \times 8 + 88)) - ((8 + 8)/8))$
:= $(9 + 9)/9 + ((99 - 9/9)^{(9+9)/9})$
- ▶ 9607 := $1 + (1 + (1 + ((111 - 1 - 1 - 11)^{1+1})))$
:= $2 + (((2 \times 2 \times (22 + 2) + 2)^2) + 2/2)$
:= $3 + ((3 \times 33 - 3/3)^{3-3/3})$
:= $4 + ((4 \times (((4 - 4/4) + 4)^4)) - 4/4)$
:= $5 + ((5 \times ((55 + 5) \times ((5 + 5)/5)^5)) + ((5 + 5)/5))$
:= $6 + (((6 + 6)/6)^6 \times ((6 + 6) \times (6 + 6) + 6)) + 6/6$
:= $7 + (((7 + 7)/7)^7 \times (77 - (7 + 7)/7))$
:= $8 + (((8 + 8) \times (8 \times 8 \times 8 + 88)) - 8/8)$
:= $((9 + 9 + 9)/9) + ((99 - 9/9)^{(9+9)/9})$
- ▶ 9608 := $1 + (1 + (1 + (1 + ((111 - 1 - 1 - 11)^{1+1}))))$
:= $2 + (((2 \times 2 \times (22 + 2) + 2)^2) + 2)$
:= $3 + (((3 \times 33 - 3/3)^{3-3/3}) + 3/3)$
:= $4 + (4 \times (((4 - 4/4) + 4)^4))$
:= $(5 - 5/5) \times (((5 + 5)/5 + 5)^{5-5/5}) + 5/5$
:= $((666 - 6)/6) + (66 \times (6 + 6) \times (6 + 6) - 6)$
:= $77/7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) - 7)$
:= $8 + ((8 + 8) \times (8 \times 8 \times 8 + 88))$
:= $(9 - 9/9) \times ((9999/9 + 9 \times 9) + 9)$
- ▶ 9609 := $((11 - 1) \times ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1})) - 1$
:= $2 + (((2 \times 2 \times (22 + 2) + 2)^2) + 2/2) + 2$
:= $3 + ((33 \times (3 \times (3 \times 33 - 3) + 3)) + 3)$
:= $4 + ((4 \times (((4 - 4/4) + 4)^4)) + 4/4)$
:= $5 + ((5 - 5/5) \times (((5 + 5)/5 + 5)^{5-5/5}))$
:= $666/6 + (66 \times (6 + 6) \times (6 + 6) - 6)$
:= $7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) - ((7 + 7)/7))$
:= $8 + (((8 + 8) \times (8 \times 8 \times 8 + 88)) + 8/8)$
:= $9 + ((9 \times 9 - 9/9) \times (999/9 + 9))$
- ▶ 9610 := $(11 - 1) \times ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1})$
:= $2 + (((2 \times 2 \times (22 + 2) + 2)^2) + 2) + 2$
:= $3 + (((3 \times 33 - 3/3)^{3-3/3}) + 3)$
:= $4 + ((4 \times (((4 - 4/4) + 4)^4)) + (4 + 4)/4)$
:= $5 + ((5 \times ((55 + 5) \times ((5 + 5)/5)^5)) + 5)$
:= $6 + (((666 - 6)/6) - (6 + 6)^{(6+6)/6})$
:= $7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) - 7/7)$
:= $8 + (((8 + 8) \times (8 \times 8 \times 8 + 88)) + ((8 + 8)/8))$
:= $(9/9 + 9) \times (9 \times (99 + 9) - (99/9))$
- ▶ 9611 := $1 + ((11 - 1) \times ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1}))$
:= $22/2 + ((22 + 2) \times (22 - 2)^2)$
:= $((33 + 3) \times ((3 \times 3 \times (3^3 + 3)) - 3)) - 3/3$
:= $4 + (((4 \times (((4 - 4/4) + 4)^4)) - 4/4) + 4)$
:= $55/5 + (5 \times ((55 + 5) \times ((5 + 5)/5)^5))$
:= $6 \times 6 + ((6 + 6) \times (66 \times (6 + 6) + 6) - 6/6)$
:= $7 + (7 \times (7 \times (7 + 7) \times (7 + 7)))$
:= $88/8 + ((8 + 8) \times (8 \times 8 \times 8 + 88))$
:= $9 + ((99 \times (99 - ((9 + 9)/9))) - 9/9)$
- ▶ 9612 := $(1 + 11) \times (1 + (1 + 1) \times ((1 + 1) \times (11 - 1))^{1+1})$
:= $(2 + 2 + 2) \times ((2 \times (22 - 2))^2 + 2)$
:= $(33 + 3) \times ((3 \times 3 \times (3^3 + 3)) - 3)$
:= $4 + ((4 \times (((4 - 4/4) + 4)^4)) + 4)$
:= $((55 + 5)/5) + (5 \times ((55 + 5) \times ((5 + 5)/5)^5))$
:= $6 \times 6 + (6 + 6) \times (66 \times (6 + 6) + 6)$
:= $7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) + 7/7)$
:= $8 + (((8 + 8)/8 + 88) + 8)^{(8+8)/8}$
:= $9 + (99 \times (99 - ((9 + 9)/9)))$
- ▶ 9613 := $11 + (((111 - 1 - 1 - 11)^{1+1}) - (1 + 1))$
:= $2 + (((22 + 2) \times (22 - 2)^2) + 22/2)$
:= $3 \times 3 + ((3 \times 33 - 3/3)^{3-3/3})$
:= $4 + (((4 \times (((4 - 4/4) + 4)^4)) + 4/4) + 4)$
:= $((5 + 5) \times (5 - 5/5)^5) - (5^5 + 5 + 5)/5$
:= $6 \times 6 + ((6 + 6) \times (66 \times (6 + 6) + 6) + 6/6)$
:= $7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) + ((7 + 7)/7))$
:= $8 + (((8 + 8)/8 + 88) + 8)^{(8+8)/8} + 8/8$
:= $9 + ((99 - 9/9)^{(9+9)/9})$
- ▶ 9614 := $11 + (((111 - 1 - 1 - 11)^{1+1}) - 1)$
:= $22 \times (((22 - 2/2)^2) - (2 + 2))$
:= $33/3 + (33 \times (3 \times (3 \times 33 - 3) + 3))$
:= $(44 - 4)/4 + (4 \times (((4 - 4/4) + 4)^4))$
:= $((5 + 5) \times (5 - 5/5)^5) - (5^5 + 5)/5$
:= $((666 - 6)/6) + 66 \times (6 + 6) \times (6 + 6)$
:= $((77 - 7)/7) + (7 \times (7 \times (7 + 7) \times (7 + 7)))$
:= $88/8 \times ((888 - 8 - 8) + ((8 + 8)/8))$
:= $9 + (((99 - 9/9)^{(9+9)/9}) + 9/9)$
- ▶ 9615 := $11 + ((111 - 1 - 1 - 11)^{1+1})$
:= $22/2 + ((2 \times 2 \times (22 + 2) + 2)^2)$
:= $3 + ((33 + 3) \times ((3 \times 3 \times (3^3 + 3)) - 3))$
:= $44/4 + (4 \times (((4 - 4/4) + 4)^4))$
:= $(5 + 5 + 5) \times (((55 + 5^5)/5) + 5)$
:= $666/6 + 66 \times (6 + 6) \times (6 + 6)$
:= $77/7 + (7 \times (7 \times (7 + 7) \times (7 + 7)))$
:= $(8 - 8/8 + 8) \times (8 \times (88 - 8) + 8/8)$
:= $99/9 + ((99 - 9/9)^{(9+9)/9})$
- ▶ 9616 := $1 + (11 + ((111 - 1 - 1 - 11)^{1+1}))$
:= $2 + (22 \times (((22 - 2/2)^2) - (2 + 2)))$
:= $3 + (((3 \times 33 - 3/3)^{3-3/3}) + 3 \times 3)$
:= $4 \times (((4 + 4) \times (44 + 4^4)) + 4)$
:= $((5 - 5^5)/5) + ((5 + 5) \times (5 - 5/5)^5)$
:= $(666 + 6)/6 + 66 \times (6 + 6) \times (6 + 6)$
:= $(77 + 7)/7 + (7 \times (7 \times (7 + 7) \times (7 + 7)))$
:= $8 + (((8 + 8) \times (8 \times 8 \times 8 + 88)) + 8)$
:= $(99 + 9)/9 + ((99 - 9/9)^{(9+9)/9})$
- ▶ 9617 := $1 + (1 + (11 + ((111 - 1 - 1 - 11)^{1+1})))$
:= $2 + (((2 \times 2 \times (22 + 2) + 2)^2) + 22/2)$
:= $3 + ((33 \times (3 \times (3 \times 33 - 3) + 3)) + 33/3)$
:= $4/4 + (4 \times (((4 + 4) \times (44 + 4^4)) + 4))$
:= $((5 - 5^5) + 5)/5 + ((5 + 5) \times (5 - 5/5)^5)$
:= $6 + (((6 + 6) \times (66 \times (6 + 6) + 6) - 6/6) + 6 \times 6)$
:= $7 + (((7 \times (7 \times (7 + 7) \times (7 + 7))) - 7/7) + 7)$
:= $(8 \times 8 \times (8 \times 8 + 88)) - 888/8$
:= $9 \times 9 \times 9 + ((9 - 9/9) \times 9999/9)$

$$\begin{aligned}
\blacktriangleright 9618 &:= 1 + (1 + (1 + (11 + ((111 - 1 - 1 - 11)^{1+1})))) \\
&:= (2 - 22) \times (2 - 22^2) - 22 \\
&:= 3 + (((33 + 3) \times (3 \times 3 \times (3^3 + 3)) - 3)) + 3 \\
&:= 4 \times (((4 - 4/4) + 4^4) + 4) - (4 + 4)/4 \\
&:= (5 + 5)/5 + 5 \times (5 \times 5 \times 55 - 5/5) \\
&:= 6 + ((6 + 6) \times (66 \times (6 + 6) + 6) + 6 \times 6) \\
&:= 7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) + 7) \\
&:= ((8 - 888)/8) + (8 \times 8 \times (8 \times 8 + 88)) \\
&:= 9 + (((9 \times 9 - 9/9) \times (999/9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9623 &:= ((11 + 11)^{1+1+1}) - (1 + (1 + 1)^{11-1}) \\
&:= 22 + (((22 + 2) \times (22 - 2)^2) + 2/2) \\
&:= (((3 \times (3 + 3)) + 3)^3) + ((33 \times 33 - 3)/3) \\
&:= 4 + ((4 \times (((4 - 4/4) + 4^4) + 4)) - 4/4) \\
&:= (5 \times (55 \times ((5 \times 5 + 5) + 5))) - (5 + 5)/5 \\
&:= 6 \times 6 + ((6 + 6) \times (66 \times (6 + 6) + 6) + (66/6)) \\
&:= 7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) + (77 + 7)/7) \\
&:= 8 + ((8 - 8/8 + 8) \times (8 \times (88 - 8) + 8/8)) \\
&:= 9 + (((99 - 9/9)^{(9+9)/9}) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9628 &:= (1 + 1) \times (((1 + 1 + 11) \times 1111) - 1)/(1 + 1 + 1) \\
&:= 2 + (((2 \times 2 \times (22 + 2) + 2)^2) + 22) \\
&:= ((3^3 - 3/3) + 3) \times (333 - 3/3) \\
&:= 4 + ((4 \times (((4 - 4/4) + 4^4) + 4)) + 4) \\
&:= 5 + ((5 \times (55 \times ((5 \times 5 + 5) + 5))) - ((5 + 5)/5)) \\
&:= (6 - ((6 + 6)/6)) \times (((6/6 + 6)^{6-(6+6)/6}) + 6) \\
&:= (77/7 - 7) \times ((7 \times 7 \times 7 \times 7 - 7/7) + 7) \\
&:= (88/8 \times (888 - ((88 + 8)/8))) - 8 \\
&:= 99 \times 99 - (99/9 + 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9619 &:= ((11 - 1) \times (1 + ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1}))) - \blacktriangleright 9624 \\
&:= 2/2 + (((2 - 22) \times (2 - 22^2)) - 22) \\
&:= 3 + (((3 \times 33 - 3/3)^{3-3/3}) + 3 \times 3) + 3 \\
&:= 4 \times (((4 - 4/4) + 4^4) + 4) - 4/4 \\
&:= (5 \times (55 \times ((5 \times 5 + 5) + 5))) - (5/5 + 5) \\
&:= 6 + (((6 + 6) \times (66 \times (6 + 6) + 6) + 6 \times 6) + 6/6) \\
&:= 7 + (((7 \times (7 \times (7 + 7) \times (7 + 7))) + 7/7) + 7) \\
&:= 8 + (((8 + 8) \times (8 \times 8 \times 8 + 88)) + (88/8)) \\
&:= 9 + ((9/9 + 9) \times (9 \times (99 + 9) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9624 &:= ((11 + 11)^{1+1+1}) - (1 + 1)^{11-1} \\
&:= (22 + 2) \times ((22 - 2)^2 + 2/2) \\
&:= 3 \times (3333 - (3 - 3/3 + 3)^3) \\
&:= 4 + (4 \times (((4 - 4/4) + 4^4) + 4)) \\
&:= (5 \times (55 \times ((5 \times 5 + 5) + 5))) - 5/5 \\
&:= (6 + 6) \times (66 \times (6 + 6) + ((66 - 6)/6)) \\
&:= (77 \times (77 + 7 \times 7)) - 7/7 - 77 \\
&:= 8 + (((8 + 8) \times (8 \times 8 \times 8 + 88)) + 8) + 8 \\
&:= 9 + (((99 - 9/9)^{(9+9)/9}) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9629 &:= (1 + ((1 + 1) \times ((1 + 1 + 11) \times 1111)))/(1 + 1 + 1) \\
&:= ((2 - 22) \times (2 - 22^2)) - 22/2 \\
&:= ((3^3 + 3) \times (333 - (3 \times 3 + 3))) - 3/3 \\
&:= 4 + (((4 \times (((4 - 4/4) + 4^4) + 4)) + 4/4) + 4) \\
&:= 5 + ((5 \times (55 \times ((5 \times 5 + 5) + 5))) - 5/5) \\
&:= (66 \times (((666 - 6)/6) + 6 \times 6)) - 6/6 - 6 \\
&:= 7 + (((7 \times (7 \times (7 + 7) \times (7 + 7))) + (77/7)) + 7) \\
&:= (8 \times 8 \times (8 \times 8 + 88)) - (88/8 + 88) \\
&:= 99 \times 99 - ((9 \times (9 + 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9620 &:= (11 - 1) \times (1 + ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1})) \\
&:= (2 - 22) \times ((2/2 - 22^2) + 2) \\
&:= (3^3 - 3/3) \times (((3/3 + 3 + 3)^3) + 3^3) \\
&:= 4 \times (((4 - 4/4) + 4^4) + 4) \\
&:= (5 \times (55 \times ((5 \times 5 + 5) + 5))) - 5 \\
&:= (66 - 6/6) \times ((666 + 6)/6 + 6 \times 6) \\
&:= 7 + (((7 \times (7 \times (7 + 7) \times (7 + 7))) + (7 + 7)/7) + 7) \\
&:= 8 + (((8 + 8)/8 + 88) + 8)^{(8+8)/8} + 8 \\
&:= (9/9 + 9) \times (9 \times (99 + 9) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9625 &:= 11 \times (11 + (((1 + 11)^{1+1+1})/(1 + 1))) \\
&:= 22 + (((2 \times 2 \times (22 + 2) + 2)^2) - 2/2) \\
&:= (((3 \times (3 + 3)) + 3)^3) + ((33 \times 33 + 3)/3) \\
&:= 4 + ((4 \times (((4 - 4/4) + 4^4) + 4)) + 4/4) \\
&:= 5 \times (55 \times ((5 \times 5 + 5) + 5)) \\
&:= (6/6 + 6) \times (((6 \times 6 + 6/6)^{(6+6)/6}) + 6) \\
&:= 77 \times (777/7 + 7 + 7) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 + 88)) - 888/8) \\
&:= 99/9 \times (((9 + 9)/9) - (9 + 9)) + 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9630 &:= (1 + 1) \times (((1 + 111) \times ((1 + 1) \times (11 + 11)) - 1) - 1) \\
&:= ((222 + 2) \times ((2 \times 22) - 2/2)) - 2 \\
&:= (3^3 + 3) \times (333 - (3 \times 3 + 3)) \\
&:= (4/4 + 4) \times ((4 - 44)/4 + 44 \times 44) \\
&:= 5 + (5 \times (55 \times ((5 \times 5 + 5) + 5))) \\
&:= (66 \times (((666 - 6)/6) + 6 \times 6)) - 6 \\
&:= ((7 + 7)/7 + 7) \times (77 \times (7 + 7) - (7/7 + 7)) \\
&:= (8 - 8/8 + 8) \times (8 \times (88 - 8) + ((8 + 8)/8)) \\
&:= (9 - 99) \times (9/9 - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9621 &:= 1 + ((11 - 1) \times (1 + ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1}))) \\
&:= 22 + (((22 + 2) \times (22 - 2)^2) - 2/2) \\
&:= 3 \times (3333 - (3 \times 33 + 3^3)) \\
&:= 4/4 + (4 \times (((4 - 4/4) + 4^4) + 4)) \\
&:= 5/5 + ((5 \times (55 \times ((5 \times 5 + 5) + 5))) - 5) \\
&:= 6 + (66 \times (6 + 6) \times (6 + 6) + 666/6) \\
&:= 7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) + ((77 - 7)/7)) \\
&:= ((88/8 + 8) \times (8 \times 8 \times 8 - 8/8)) - 88 \\
&:= 99 \times 99 - (99 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9626 &:= 1 + (11 \times (11 + (((1 + 11)^{1+1+1})/(1 + 1)))) \\
&:= 22 + ((2 \times 2 \times (22 + 2) + 2)^2) \\
&:= 3 + (((33 \times 33 - 3)/3) + (((3 \times (3 + 3)) + 3)^3)) \\
&:= 4 + ((4 \times (((4 - 4/4) + 4^4) + 4)) + (4 + 4)/4) \\
&:= 5/5 + (5 \times (55 \times ((5 \times 5 + 5) + 5))) \\
&:= 6 + ((66 - 6/6) \times ((666 + 6)/6 + 6 \times 6)) \\
&:= 7/7 + (77 \times (777/7 + 7 + 7)) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 + 88)) + ((8 - 888)/8)) \\
&:= 9 + (((9 - 9/9) \times 9999/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9631 &:= ((1 + 1) \times ((1 + 111) \times ((1 + 1) \times (11 + 11)) - 1)) - 1 \\
&:= 2 + (((2 - 22) \times (2 - 22^2)) - 22/2) \\
&:= 3^3 + ((3 \times 33 - 3/3)^{3-3/3}) \\
&:= 4^4 + ((44/4 + 4) \times (4/4 + 4^4)) \\
&:= 5 + ((5 \times (55 \times ((5 \times 5 + 5) + 5))) + 5/5) \\
&:= 6 + ((6/6 + 6) \times (((6 \times 6 + 6/6)^{(6+6)/6}) + 6)) \\
&:= 7 + ((77 \times (77 + 7 \times 7)) - (7/7 + 77)) \\
&:= (8 \times 8 \times (8 \times 8 + 88)) - ((8/8 + 88) + 8) \\
&:= 9 + (((99 - 9/9)^{(9+9)/9}) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9622 &:= (1 + 1) \times (11 + ((1 + 11) \times ((1 + 1) \times (11 - 1))^{1+1})) \\
&:= 22 + ((22 + 2) \times (22 - 2)^2) \\
&:= (3 \times (3 + 3)) + ((3 \times 33 - 3/3)^{3-3/3}) \\
&:= (4 + 4)/4 + (4 \times (((4 - 4/4) + 4^4) + 4)) \\
&:= (5 + 5)/5 + ((5 \times (55 \times ((5 \times 5 + 5) + 5))) - 5) \\
&:= 6 + (66 \times (6 + 6) \times (6 + 6) + (666 + 6)/6) \\
&:= 7 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) + (77/7)) \\
&:= 8 + (88/8 \times ((888 - 8 - 8) + ((8 + 8)/8))) \\
&:= 9 + (((99 - 9/9)^{(9+9)/9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9627 &:= 1 + (1 + (11 \times (11 + (((1 + 11)^{1+1+1})/(1 + 1)))) \\
&:= 22 + (((2 \times 2 \times (22 + 2) + 2)^2) + 2/2) \\
&:= 33 + (((3 \times (3 + 3)) + 3)^3) + 333 \\
&:= 4 + (((4 \times (((4 - 4/4) + 4^4) + 4)) - 4/4) + 4) \\
&:= (5 + 5)/5 + (5 \times (55 \times ((5 \times 5 + 5) + 5))) \\
&:= 6 + ((66 \times (6 + 6) \times (6 + 6) + 666/6) + 6) \\
&:= (7 + 7)/7 + (77 \times (777/7 + 7 + 7)) \\
&:= (88/8 \times ((888 - 8) + 8/8)) - 8 \times 8 \\
&:= 99 \times 99 - ((99 + 9)/9 + 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9632 &:= (1 + 1) \times ((1 + 111) \times ((1 + 1) \times (11 + 11)) - 1) \\
&:= (222 + 2) \times ((2 \times 22) - 2/2) \\
&:= (3^3 + 3/3) \times (333 + 33/3) \\
&:= (4 + 4) \times (4 \times (44 + 4^4) + 4) \\
&:= ((5 + 5)/5 + 5) \times (5 \times 5 \times 55 + 5/5) \\
&:= ((6 + 6)/6) \times ((6 \times 66 \times (6 + 6)) + ((6 + 6)/6)^6) \\
&:= 7 + (77 \times (777/7 + 7 + 7)) \\
&:= (8 \times 8 \times (8 \times 8 + 88)) - (88 + 8) \\
&:= (9 + 9)/9 + ((9 - 99) \times (9/9 - (99 + 9)))
\end{aligned}$$

- ▶ 9633 := $(1+1+11)^{1+1} \times (1+(1+111)/(1+1))$
:= $2/2 + ((222+2) \times ((2 \times 22) - 2/2))$
:= $3 + ((3^3+3) \times (333 - (3 \times 3+3)))$
:= $4/4 + ((4+4) \times (4 \times (44+4^4) + 4))$
:= $5 + (((5 \times (55 \times ((5 \times 5+5) + 5))) - ((5+5)/5)) + 5)$
:= $(6/6+6+6) \times (((6 \times 6/(6+6))^6 + 6) + 6)$
:= $7 + ((77 \times (777/7+7+7)) + 7/7)$
:= $8/8 + ((8 \times 8 \times (8 \times 8+88)) - (88+8))$
:= $9 + (((99-9/9)^{(9+9)/9}) + (99/9) + 9)$
- ▶ 9634 := $1 + ((1+1+11)^{1+1} \times (1+(1+111)/(1+1)))$
:= $(22 \times (2 \times (222-2) - 2)) - 2$
:= $3 + (((3 \times 33 - 3/3)^{3-3/3}) + 3^3)$
:= $(4+4)/4 + ((4+4) \times (4 \times (44+4^4) + 4))$
:= $5 + (((5 \times (55 \times ((5 \times 5+5) + 5))) - 5/5) + 5)$
:= $66 + (66 \times (6+6) \times (6+6) + ((6+6)/6)^6)$
:= $((7+7)/7)^7 + ((7+7) \times ((7 \times 7 \times (7+7)) - 7))$
:= $8 \times 8 + ((8/8 - 88) \times ((8 - 888)/8))$
:= $9999 - ((9 \times 9 \times 9 \times 9)/9 + 9)$
- ▶ 9635 := $(1+(1+1+1+1)) \times ((1+1)^{11} - 11^{1+1})$
:= $(22 \times (2 \times (222-2) - 2)) - 2/2$
:= $3 + ((3^3+3/3) \times (333+33/3))$
:= $(4 \times (((4-4/4) + 4^4) + 4) + 4) - 4/4$
:= $5 + ((5 \times (55 \times ((5 \times 5+5) + 5))) + 5)$
:= $(66/6+6 \times 6) \times (6 \times 6 \times 6 - (66/6))$
:= $((7+7+7)/7)^7 + ((7+7) \times (7 \times 77 - 7))$
:= $8 + ((88/8 \times ((888-8) + 8/8)) - 8 \times 8)$
:= $9999 + ((9-9 \times 9 \times 9)/9 + 9)$
- ▶ 9636 := $(1+1) \times ((1+1) \times (11 \times (((1+1) \times (111-1)) - 1)))$
:= $22 \times (2 \times (222-2) - 2)$
:= $((3+3)^3 + 3) \times (33/3 + 33)$
:= $4 \times (((4-4/4) + 4^4) + 4) + 4$
:= $55/5 + (5 \times (55 \times ((5 \times 5+5) + 5)))$
:= $66 \times (((666-6)/6) + 6 \times 6)$
:= $77/7 + (77 \times (777/7+7+7))$
:= $88/8 \times (888 - ((88+8)/8))$
:= $9999 - (99 \times 99/(9+9+9))$
- ▶ 9637 := $1 + ((1+1) \times ((1+1) \times (11 \times (((1+1) \times (111-1)) - 1))))$
:= $2/2 + (22 \times (2 \times (222-2) - 2))$
:= $33 + ((3 \times 33 - 3/3)^{3-3/3})$
:= $4/4 + (4 \times (((4-4/4) + 4^4) + 4) + 4)$
:= $5 + (((5+5)/5+5) \times (5 \times 5 \times 55+5/5))$
:= $6/6 + (66 \times (((666-6)/6) + 6 \times 6))$
:= $7 + (((7+7)/7+7) \times (77 \times (7+7) - (7/7+7)))$
:= $8 + ((8 \times 8 \times (8 \times 8+88)) - (88/8+88))$
:= $99 \times 99 - (((9+9)/9) + 9 \times (9+9))$
- ▶ 9638 := $(1+11^{1+1}) \times ((11-1-1)^{1+1} - (1+1))$
:= $((2-22) \times (2-22^2)) - 2$
:= $(3^3 \times ((333-3) + 3^3)) - 3/3$
:= $(4+4)/4 + (4 \times (((4-4/4) + 4^4) + 4) + 4)$
:= $5 \times 55 + ((5 - (5+5)/5) \times ((5/5-5) + 5^5))$
:= $(6+6)/6 + (66 \times (((666-6)/6) + 6 \times 6))$
:= $((7+7)/7+77) \times (777+77)/7$
:= $(88 - (8/8+8)) \times ((888+88)/8)$
:= $99 \times 99 - (9 \times (9+9) + 9/9)$
- ▶ 9639 := $(11^{1+1} - (1+1)) \times (11-1-1)^{1+1}$
:= $((2-22) \times (2-22^2)) - 2/2$
:= $3^3 \times ((333-3) + 3^3)$
:= $(4-4/4)^4 \times ((444/4+4) + 4)$
:= $5 \times 555 + (55/5 \times (5^5-5)/5)$
:= $6 + ((6/6+6+6) \times (((6 \times 6/(6+6))^6 + 6) + 6))$
:= $((7+7)/7+7) \times (77 \times (7+7) - 7)$
:= $(8 \times 8 - 8/8) \times ((8 \times 8+88) + 8/8)$
:= $9 \times (999-9) + 9 \times 9$
- ▶ 9640 := $1 + ((11^{1+1} - (1+1)) \times (11-1-1)^{1+1})$
:= $(2-22) \times (2-22^2)$
:= $3/3 + (3^3 \times ((333-3) + 3^3))$
:= $4 + (4 \times (((4-4/4) + 4^4) + 4) + 4)$
:= $(5+5) \times ((5-5/5)^5 - (55+5))$
:= $((6+6)/6)^6 + (6+6) \times (66 \times (6+6) + 6)$
:= $7/7 + (((7+7)/7+7) \times (77 \times (7+7) - 7))$
:= $(8 \times 8 \times (8 \times 8+88)) - 88$
:= $9/9 + (9 \times ((999-9) + 9 \times 9))$
- ▶ 9641 := $1 + (1 + ((11^{1+1} - (1+1)) \times (11-1-1)^{1+1}))$
:= $2/2 + ((2-22) \times (2-22^2))$
:= $3 + ((3^3 \times ((333-3) + 3^3)) - 3/3)$
:= $4 + ((4 \times (((4-4/4) + 4^4) + 4) + 4) + 4/4)$
:= $5 + ((5 \times (55 \times ((5 \times 5+5) + 5))) + (55/5))$
:= $66 + ((6+6) \times (66 \times (6+6) + 6) - 6/6)$
:= $(7 \times ((7 \times (7+7) \times (7+7)) + 7)) - (77+7)/7$
:= $8/8 + ((8 \times 8 \times (8 \times 8+88)) - 88)$
:= $(9+9)/9 + (9 \times ((999-9) + 9 \times 9))$
- ▶ 9642 := $(1+1) \times (1 + ((11-1) \times (((11+11)^{1+1}) - (1+1))))$
:= $2 + ((2-22) \times (2-22^2))$
:= $3 + (3^3 \times ((333-3) + 3^3))$
:= $4 + ((4 \times (((4-4/4) + 4^4) + 4) + 4) + (4+4)/4)$
:= $5 + (((5+5)/5+5) \times (5 \times 5 \times 55+5/5)) + 5$
:= $66 + (6+6) \times (66 \times (6+6) + 6)$
:= $(7 \times ((7 \times (7+7) \times (7+7)) + 7)) - 77/7$
:= $(8+8)/8 + ((8 \times 8 \times (8 \times 8+88)) - 88)$
:= $99 \times 99 + (((9+9+9)/9) - 9 \times (9+9))$
- ▶ 9643 := $((1+1)^{1+1+11}) + ((11 \times (11 \times (1+1)))) - 1$
:= $2 + (((2-22) \times (2-22^2)) + 2/2)$
:= $3 + ((3^3 \times ((333-3) + 3^3)) + 3/3)$
:= $4 + (((4-4/4)^4 \times ((444/4+4) + 4)) + 4)$
:= $5 \times 5 + (((5+5)/5+5) \times (5 \times 5 \times 55-5/5))$
:= $66 + ((6+6) \times (66 \times (6+6) + 6) + 6/6)$
:= $((7-77)/7) + (7 \times ((7 \times (7+7) \times (7+7)) + 7))$
:= $88/8 + ((8 \times 8 \times (8 \times 8+88)) - (88+8))$
:= $9 + (9999 - ((9 \times 9 \times 9 \times 9)/9 + 9))$
- ▶ 9644 := $((1+1)^{1+1+11}) + (11 \times (11 \times (1+1)))$
:= $2 + (((2-22) \times (2-22^2)) + 2)$
:= $(3/3+3) \times ((33/3+3)^3 - 333)$
:= $44 + (4 \times ((4+4) \times (44+4^4)))$
:= $(5 \times ((55 \times ((5 \times 5+5) + 5)) + 5)) - (5/5+5)$
:= $(6 - ((6+6)/6)) \times (6 \times (6 \times 66+6) - 6/6)$
:= $(7 \times ((7 \times (7+7) \times (7+7)) + 7)) - ((7+7)/7+7)$
:= $8 + (88/8 \times (888 - ((88+8)/8)))$
:= $(99999/9) - (9 \times 9 \times (9+9) + 9)$
- ▶ 9645 := $1 + (((1+1)^{1+1+11}) + (11 \times (11 \times (1+1))))$
:= $2 + (((2-22) \times (2-22^2)) + 2/2) + 2$
:= $3 + ((3^3 \times ((333-3) + 3^3)) + 3)$
:= $44 + ((4 \times ((4+4) \times (44+4^4))) + 4/4)$
:= $(5 \times ((55 \times ((5 \times 5+5) + 5)) + 5)) - 5$
:= $((6+6) \times ((66 \times (6+6) + 6) + 6)) - 6 \times 6/(6+6)$
:= $(7 \times ((7 \times (7+7) \times (7+7)) + 7)) - (7/7+7)$
:= $8888 + (8 \times (88+8) - (88/8))$
:= $9 + (9999 - (99 \times 99/(9+9+9)))$
- ▶ 9646 := $(111 \times (111 - ((1+1) \times (1+1)))) - 11$
:= $((22+2) \times ((22-2)^2 + 2)) - 2$
:= $(33 - 33/3)^3 - (3 \times 333 + 3)$
:= $44 + ((4 \times (((4-4/4) + 4^4)) - (4+4)/4)$
:= $5/5 + ((5 \times ((55 \times ((5 \times 5+5) + 5)) + 5)) - 5)$
:= $((6+6)/6) \times (((6+6) \times (6 \times 66+6)) - 6/6)$
:= $(7 \times ((7 \times (7+7) \times (7+7)) + 7)) - 7$
:= $((88-8/8) \times 888/8) - 88/8$
:= $9 + (99 \times 99 - (((9+9)/9) + 9 \times (9+9)))$
- ▶ 9647 := $11 \times ((111 \times (1+1)^{1+1+1}) - 11)$
:= $(2 \times 22 \times 222) - (22/2)^2$
:= $33/3 \times ((33 \times 3^3) - (33/3+3))$
:= $44 + ((4 \times (((4-4/4) + 4^4)) - 4/4)$
:= $5 \times 55 + ((5 - (5+5)/5) \times (5^5 - 5/5))$
:= $((6+6) \times ((66 \times (6+6) + 6) + 6)) - 6/6$
:= $7/7 + ((7 \times ((7 \times (7+7) \times (7+7)) + 7)) - 7)$
:= $88/8 \times (888 - 88/8)$
:= $9 + (99 \times 99 - (9 \times (9+9) + 9/9))$

$$\begin{aligned} \blacktriangleright 9648 &:= 1 + (11 \times ((111 \times (1 + 1)^{1+1+1}) - 11)) \\ &:= (22 + 2) \times ((22 - 2)^2 + 2) \\ &:= 3 \times ((3 \times 3 \times 333 + (3 + 3)^3) + 3) \\ &:= 44 + (4 \times (((4 - 4/4) + 4)^4)) \\ &:= (55/5 + 5) \times ((5^5 - (55 + 55))/5) \\ &:= (6 + 6) \times ((66 \times (6 + 6) + 6) + 6) \\ &:= (7 + 7)/7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7)) - 7) \\ &:= 8 + ((8 \times 8 \times (8 \times 8 + 88)) - 88) \\ &:= 9 + (9 \times ((999 - 9) + 9 \times 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 9649 &:= 1 + (1 + (11 \times ((111 \times (1 + 1)^{1+1+1}) - 11))) \\ &:= 2/2 + ((22 + 2) \times ((22 - 2)^2 + 2)) \\ &:= (33 - 33/3)^3 - 3 \times 333 \\ &:= 44 + ((4 \times (((4 - 4/4) + 4)^4)) + 4/4) \\ &:= (5 \times ((55 \times ((5 \times 5 + 5) + 5)) + 5)) - 5/5 \\ &:= 6/6 + ((6 + 6) \times ((66 \times (6 + 6) + 6) + 6)) \\ &:= 7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7)) - (77/7)) \\ &:= ((88 - 8/8) \times 888/8) - 8 \\ &:= 9 + ((9 \times ((999 - 9) + 9 \times 9)) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 9650 &:= (11 - 1) \times (((1 + 1) \times (((11 + 11)^{1+1}) - 1)) - 1) \\ &:= 2 + ((22 + 2) \times ((22 - 2)^2 + 2)) \\ &:= 333 + ((3/3 + 3 + 3) \times (33/3)^3) \\ &:= 44 + ((4 \times (((4 - 4/4) + 4)^4)) + (4 + 4)/4) \\ &:= 5 \times ((55 \times ((5 \times 5 + 5) + 5)) + 5) \\ &:= (6 + 6)/6 + ((6 + 6) \times ((66 \times (6 + 6) + 6) + 6)) \\ &:= (7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7)) - (7 + 7 + 7)/7 \\ &:= 8/8 + (((88 - 8/8) \times 888/8) - 8) \\ &:= 99/9 + (9 \times ((999 - 9) + 9 \times 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 9651 &:= ((1 + 1)^{1+1+1}) + ((11111 - 1)/(1 + 1)) \\ &:= 22/2 + ((2 - 22) \times (2 - 22^2)) \\ &:= (333 \times ((3^3 - 3/3) + 3)) - 3 - 3 \\ &:= 4 + (((4 \times (((4 - 4/4) + 4)^4)) - 4/4) + 44) \\ &:= 5/5 + (5 \times ((55 \times ((5 \times 5 + 5) + 5)) + 5)) \\ &:= 6 \times 6 + (66 \times (6 + 6) \times (6 + 6) + 666/6) \\ &:= (7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7)) - (7 + 7)/7 \\ &:= 88/8 + ((8 \times 8 \times (8 \times 8 + 88)) - 88) \\ &:= 99 \times 99 + ((99 + 9)/9 - 9 \times (9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 9652 &:= ((1 + 1)^{1+1+1}) + ((1 + 11111)/(1 + 1)) \\ &:= 2 + (((22 + 2) \times ((22 - 2)^2 + 2)) + 2) \\ &:= 3 + ((33 - 33/3)^3 - 3 \times 333) \\ &:= 4 + ((4 \times (((4 - 4/4) + 4)^4)) + 44) \\ &:= (5 + 5)/5 + (5 \times ((55 \times ((5 \times 5 + 5) + 5)) + 5)) \\ &:= (6 - ((6 + 6)/6)) \times (6 \times (6 \times 66 + 6) + 6/6) \\ &:= (7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7)) - 7/7 \\ &:= (88/8 + 8) \times (8 \times 8 \times 8 - 8 \times 8/(8 + 8)) \\ &:= 9 \times (9 + 9 + 9) + ((99 - ((9 + 9)/9))^{(9+9)/9}) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 9653 &:= 1 + (((1 + 1)^{1+1+1}) + ((1 + 11111)/(1 + 1))) \\ &:= 2 + (((2 - 22) \times (2 - 22^2)) + 22/2) \\ &:= 3 \times 3333 - (((3/3 + 3 + 3)^3) + 3) \\ &:= 4 + (((4 \times (((4 - 4/4) + 4)^4)) + 44) + 4/4) \\ &:= 5 \times 55 + ((5 - (5 + 5)/5) \times (5^5 + 5/5)) \\ &:= 6 + (((6 + 6) \times ((66 \times (6 + 6) + 6) + 6)) - 6/6) \\ &:= 7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7) \\ &:= (8 \times (8 \times (8 \times 8 + 88)) - 8) - 88/8 \\ &:= (99999/9) - 9 \times 9 \times (9 + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 9654 &:= (1 + 1 + 1) \times (((111 \times (((11 - 1) \times (1 + 1 + 1)) - 1)) - 1)) - \blacktriangleright 9659 := (111^{1+1}) - ((1 + 1) \times 11^{1+1+1}) \\ &:= (22^2 \times (22 - 2)) - 22 - 2 - 2 \\ &:= (333 \times ((3^3 - 3/3) + 3)) - 3 \\ &:= 4 + (((4 \times (((4 - 4/4) + 4)^4)) + (4 + 4)/4) + 44) \\ &:= 5 + ((5 \times ((55 \times ((5 \times 5 + 5) + 5)) + 5)) - 5/5) \\ &:= 6 + ((6 + 6) \times ((66 \times (6 + 6) + 6) + 6)) \\ &:= 7/7 + (7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7)) \\ &:= (8 - 88)/8 + (8 \times (8 \times (8 \times 8 + 88)) - 8) \\ &:= 9/9 + ((99999/9) - 9 \times 9 \times (9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 9655 &:= 11111 - ((1 + 1 + 11) \times (1 + 111)) \\ &:= (22^2 \times (22 - 2)) - ((22 + 2/2) + 2) \\ &:= 33 \times 333 - ((33/3)^3 + 3) \\ &:= (4/4 + 4) \times (44 \times 44 - (4/4 + 4)) \\ &:= 5 + (5 \times ((55 \times ((5 \times 5 + 5) + 5)) + 5)) \\ &:= 6 + (((6 + 6) \times ((66 \times (6 + 6) + 6) + 6)) + 6/6) \\ &:= (7 + 7)/7 + (7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7)) \\ &:= 8 + (88/8 \times (888 - 88/8)) \\ &:= 9 + ((99 \times 99 - ((9 + 9)/9) + 9 \times (9 + 9))) + 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 9656 &:= (111 \times (111 - ((1 + 1) \times (1 + 11)))) - 1 \\ &:= (22^2 \times (22 - 2)) - 22 - 2 \\ &:= 3 \times 3333 - ((3/3 + 3 + 3)^3) \\ &:= ((4/4 + 4) \times (44 \times 44 - 4)) - 4 \\ &:= 5 + ((5 \times ((55 \times ((5 \times 5 + 5) + 5)) + 5)) + 5/5) \\ &:= 6 + (((6 + 6) \times ((66 \times (6 + 6) + 6) + 6)) + ((6 + 6)/6)) \\ &:= (7 + 7 + 7)/7 + (7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7)) \\ &:= 8888 + 8 \times (88 + 8) \\ &:= 9 + ((99 \times 99 - (9 \times (9 + 9) + 9/9)) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 9657 &:= 111 \times (111 - ((1 + 1) \times (1 + 11))) \\ &:= 222/2 \times (2 \times 2 \times 22 - 2/2) \\ &:= 333 \times ((3^3 - 3/3) + 3) \\ &:= 444/4 \times ((44 - 4/4) + 44) \\ &:= 555/5 \times (((5 + 5)/5)^5 + 55) \\ &:= (6 \times 6 - (6/6 + 6)) \times 666 \times 6/(6 + 6) \\ &:= 777/7 \times (((77 - 7)/7) + 77) \\ &:= (88 - 8/8) \times 888/8 \\ &:= 9 + ((9 \times ((999 - 9) + 9 \times 9)) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 9658 &:= 1 + (111 \times (111 - ((1 + 1) \times (1 + 11)))) \\ &:= 22 \times (((22 - 2/2)^2) - 2) \\ &:= 33 \times 333 - (33/3)^3 \\ &:= 44/4 \times (44 \times (4 \times 4 + 4) - (4 + 4)/4) \\ &:= 5 + (((5 - (5 + 5)/5) \times (5^5 + 5/5)) + 5 \times 55) \\ &:= 6 + ((6 - ((6 + 6)/6)) \times (6 \times (6 \times 66 + 6) + 6/6)) \\ &:= 7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7)) - ((7 + 7)/7)) \\ &:= 8/8 + ((88 - 8/8) \times 888/8) \\ &:= 9 + (((9 \times ((999 - 9) + 9 \times 9)) + 9/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 9659 &:= (111^{1+1}) - ((1 + 1) \times 11^{1+1+1}) \\ &:= 2/2 + (22 \times (((22 - 2/2)^2) - 2)) \\ &:= 3 + (3 \times 3333 - ((3/3 + 3 + 3)^3)) \\ &:= ((4/4 + 4) \times (44 \times 44 - 4)) - 4/4 \\ &:= (((5 + 5)/5 + 5) \times (5 \times 5 \times 55 + 5)) - 5/5 \\ &:= 66/6 + ((6 + 6) \times ((66 \times (6 + 6) + 6) + 6)) \\ &:= 7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7)) - 7/7) \\ &:= (8 + 8)/8 + ((88 - 8/8) \times 888/8) \\ &:= 9 + ((9 \times ((999 - 9) + 9 \times 9)) + (99/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 9660 &:= (1 + 1) \times ((11 - 1) \times (((11 + 11)^{1+1}) - 1)) \\ &:= (2 - 22) \times (2/2 - 22^2) \\ &:= 3 + (333 \times ((3^3 - 3/3) + 3)) \\ &:= (4/4 + 4) \times (44 \times 44 - 4) \\ &:= ((5 + 5)/5 + 5) \times (5 \times 5 \times 55 + 5) \\ &:= 6 + (((6 + 6) \times ((66 \times (6 + 6) + 6) + 6)) + 6) \\ &:= 7 + (7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7)) \\ &:= (((8 + 8)/8) + 8) \times ((88 \times 88 - (8 + 8))/8) \\ &:= ((99/9) \times (9 \times 99 - (99 + 9)/9)) - 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 9661 &:= 1 + ((1 + 1) \times ((11 - 1) \times (((11 + 11)^{1+1}) - 1))) \\ &:= 2/2 + ((2 - 22) \times (2/2 - 22^2)) \\ &:= 3 + (33 \times 333 - (33/3)^3) \\ &:= 4/4 + ((4/4 + 4) \times (44 \times 44 - 4)) \\ &:= 5^5 + (((5 - 5/5 + 5)^{5-5/5}) - 5 \times 5) \\ &:= 6 + (((6 + 6) \times ((66 \times (6 + 6) + 6) + 6)) + 6/6 + 6) \\ &:= 7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7)) + 7/7) \\ &:= (88/8 \times (888 - 8/8 - 8)) - 8 \\ &:= 99 \times 99 + (((9 + 9)/9) \times ((99/9) - 9 \times 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 9662 &:= (1 + 1) \times (1 + ((11 - 1) \times (((11 + 11)^{1+1}) - 1))) \\ &:= 2 + ((2 - 22) \times (2/2 - 22^2)) \\ &:= 3 \times 3333 - ((333 + 3/3) + 3) \\ &:= (4 + 4)/4 + ((4/4 + 4) \times (44 \times 44 - 4)) \\ &:= 5 + (555/5 \times (((5 + 5)/5)^5 + 55)) \\ &:= ((6 + 6)/6) \times (((6 + 6) \times (6 \times 66 + 6)) + 6/6 + 6) \\ &:= 7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7)) + ((7 + 7)/7)) \\ &:= (8 \times (8 \times (8 \times 8 + 88) - 8)) - (8 + 8)/8 \\ &:= 9 + ((99999/9) - 9 \times 9 \times (9 + 9)) \end{aligned}$$

- 9663 := $1 + ((1 + 1) \times (1 + ((11 - 1) \times (((11 + 11)^{1+1}) - 1))))$ ► 9668 := $11111 - (111 \times (1 + 1 + 11))$
:= $2 + (((2 - 22) \times (2/2 - 22^2)) + 2/2)$:= $2 \times ((22 \times (222 - 2)) - (2 + 2 + 2))$:= $2 + (((22^2 \times (22 - 2)) - 22/2) + 2)$
:= $3 \times 3333 - 333 - 3$:= $3 + (3 \times 3333 - (333 + 3/3))$:= $3 + (((3 \times 3333 - 333) + 3/3) + 3)$
:= $4 + (((4/4 + 4) \times (44 \times 44 - 4)) - 4/4)$:= $4 \times (((4 - 4/4) + 4)^4) + 4 \times 4$:= $4 + ((4 \times (((4 - 4/4) + 4)^4) + 4 \times 4)) + 4/4$
:= $((5 + 5)^{5-5/5}) + (((5 - 5^5)/(5 + 5)) - 5 \times 5)$:= $5 \times 55 + ((5 - (5 + 5)/5) \times ((5^5 + 5/5) + 5))$:= $((55 + 5)/5) + 5 \times ((5^5 - 5)/5 - 55)$
:= $6 + ((6 \times 6 - (6/6 + 6)) \times 666 \times 6/(6 + 6))$:= $(6 - ((6 + 6)/6)) \times ((6 \times (6 \times 66 + 6) - 6/6) + 6)$:= $6/6 + ((6 - ((6 + 6)/6)) \times (6 \times (6 \times 66 + 6) + 6))$
:= $((77 - 7)/7) + (7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7))$:= $7 + (((7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7)) + 7/7) + 7)$:= $7 + ((77/7 + 7) \times (7 \times 77 - ((7 + 7)/7)))$
:= $(8 \times (8 \times (8 \times 8 + 88) - 8)) - 8/8$:= $8 \times 8 + (((8 + 8)/8 + 88) + 8)^{(8+8)/8}$:= $8 + (((88 - 8/8) \times 888/8) + 8)$
:= $99 \times 99 - (((999/9 + 9) + 9) + 9)$:= $(99 \times (99 + 9)) - (((9 + 9)/9)^{9/9+9})$:= $99 \times 99 + (((9 - 999)/9) - (9 + 9))$
- 9664 := $(1 + 1)^{1+1+1} \times ((11 \times (111 - 1)) - (1 + 1))$ ► 9669 := $11 \times ((11 - 1)^{1+1+1} - 11^{1+1})$ ► 9673 := $1 + ((1 + 1)^{1+1+1} \times ((11 \times (111 - 1)) - 1))$
:= $(22^2 \times (22 - 2)) - 2^{2+2}$:= $(22^2 \times (22 - 2)) - 22/2$:= $(22^2 \times (22 - 2)) - 2 - 2 - 2$
:= $3 + ((33 \times 333 - (33/3)^3) + 3)$:= $3 + (3 \times 3333 - 333)$:= $(3 \times (3333 + 3)) - (333 + 3/3)$
:= $4 + ((4/4 + 4) \times (44 \times 44 - 4))$:= $4/4 + (4 \times (((4 - 4/4) + 4)^4) + 4 \times 4)$:= $4 + ((4/4 + 4) \times (44 \times 44 - (4 + 4)/4))$
:= $(55/5 + 5) \times ((55 \times 55 - 5)/5)$:= $5 + ((55/5 + 5) \times ((55 \times 55 - 5)/5))$:= $5^5 + (555/5 \times (55 - 5/5 + 5))$
:= $((6 + 6)/6)^6 \times (((6 + 6) \times (6 + 6) + 6/6) + 6)$:= $(666666/66) - (6 \times (66 + 6))$:= $(6/6 + 6) \times (((6 + 6)/6)^{66/6} - 666)$
:= $77/7 + (7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7))$:= $((7 + 7) \times (777 - 7)) - 7777/7$:= $77 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) - 7)$
:= $8 \times (8 \times (8 \times 8 + 88) - 8)$:= $88/8 \times (888 - 8/8 - 8)$:= $8 + ((8 \times (8 \times (8 \times 8 + 88) - 8)) + ((8 + 8)/8))$
:= $9999 - ((9 + 9) \times (9 + 9) + (99/9))$:= $99/9 \times (9 \times 99 - (99 + 9)/9)$:= $9999 - ((9 + 9) \times (9 + 9) + 9/9)$
- 9665 := $1 + ((1 + 1)^{1+1+1} \times ((11 \times (111 - 1)) - (1 + 1)))$ ► 9670 := $(11 - 1) \times (1111 - (1 + 11)^{1+1})$ ► 9675 := $(1 + 1 + 1) \times (((1 + 1 + 1) \times (1 + 1111)) - 111)$
:= $2/2 + ((22^2 \times (22 - 2)) - 2^{2+2})$:= $(2/2 + 2 + 2) \times ((2 \times 22)^2 - 2)$:= $(2/2 + 2 + 2) \times ((2 \times 22)^2 - 2/2)$
:= $3 \times 3333 - (333 + 3/3)$:= $3 + ((3 \times 3333 - 333) + 3/3)$:= $3 \times (3333 - (3 \times (33 + 3)))$
:= $(4/4 + 4) \times ((44 \times 44 - 4) + 4/4)$:= $(4/4 + 4) \times (44 \times 44 - (4 + 4)/4)$:= $(4/4 + 4) \times (44 \times 44 - 4/4)$
:= $5 + (((5 + 5)/5 + 5) \times (5 \times 5 \times 55 + 5))$:= $5 \times (((5/5 + 5)^5/(5 - 5/5)) - (5 + 5))$:= $5 \times (((55 \times ((5 \times 5 + 5) + 5)) + 5) + 5)$
:= $6 + (((6 + 6) \times ((66 \times (6 + 6) + 6) + 6)) + (66/6))$:= $6 + (((6 + 6)/6)^6 \times (((6 + 6) \times (6 + 6) + 6/6) + 6))$:= $(6 \times 6 \times 6 - 6/6) \times (666/6 - 66)$
:= $777 + ((7/7 + 7) \times 7777/7)$:= $77 + ((7 \times (7 \times (7 + 7) \times (7 + 7))) - (77/7))$:= $7/7 + (((7 \times (7 \times (7 + 7) \times (7 + 7))) - 7) + 77)$
:= $8 + ((88 - 8/8) \times 888/8)$:= $((8 + 8)/8 + 8) \times ((88 \times 88 - 8)/8)$:= $88/8 + (8 \times (8 \times (8 \times 8 + 88) - 8))$
:= $((9 + 9)/9)^9 + (9 \times (999 + 9 + 9))$:= $99 \times 99 - ((999 + 99)/9 + 9)$:= $9999 - (9 + 9) \times (9 + 9)$
- 9666 := $(1 + 1 + 1) \times (((1 + 1 + 1) \times 1111) - 111)$ ► 9671 := $1 + ((11 - 1) \times (1111 - (1 + 11)^{1+1}))$ ► 9676 := $(1 + 1) \times ((1 + 1) \times (((1 + 1) \times (11 \times (111 - 1)))) - 1)$
:= $2 + ((22^2 \times (22 - 2)) - 2^{2+2})$:= $2 + ((22^2 \times (22 - 2)) - 22/2)$:= $2 \times ((22 \times (222 - 2)) - 2)$
:= $3 \times 3333 - 333$:= $((3 \times (3 + 3)) + 3/3) \times (((3 - 3/3)^{3 \times 3}) - 3)$:= $3/3 + (3 \times (3333 - (3 \times (33 + 3))))$
:= $(4^4 - 4 - 4)/4 + (4 \times (((4 - 4/4) + 4)^4))$:= $((4/4 + 4) \times (44 \times 44 - 4/4)) - 4$:= $(44 \times (4 \times 44 + 44)) - 4$
:= $((5 - 5^5)/5) + ((5 + 5) \times ((5 - 5/5)^5 + 5))$:= $5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) + ((5 - 5^5)/5))$:= $5^5 + (((5 - 5/5 + 5)^{5-5/5}) - (5 + 5))$
:= $(66 - 6 - 6) \times (6 \times (6 \times 6 - 6) - 6/6)$:= $((6 - ((6 + 6)/6)) \times (6 \times (6 \times 66 + 6) + 6)) - 6/6$:= $(6 - ((6 + 6)/6)) \times ((6 \times (6 \times 66 + 6) + 6/6) + 6)$
:= $(77/7 + 7) \times (7 \times 77 - ((7 + 7)/7))$:= $7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7)) + (77/7))$:= $(777/7 + 7) \times ((77 - (7 + 7)/7) + 7)$
:= $(8 + 8)/8 + (8 \times (8 \times (8 \times 8 + 88) - 8))$:= $8 + ((8 \times (8 \times (8 \times 8 + 88) - 8)) - 8/8)$:= $((88 + 8)/8) + (8 \times (8 \times (8 \times 8 + 88) - 8))$
:= $999 + (9 \times (9 \times (99 + 9) - 9))$:= $((99/9) \times (9 \times 99 - (99/9))) - 9$:= $9/9 + (9999 - (9 + 9) \times (9 + 9))$
- 9667 := $11111 - (1 + (111 \times (1 + 1 + 11)))$ ► 9672 := $(1 + 1)^{1+1+1} \times ((11 \times (111 - 1)) - 1)$ ► 9677 := $((1 + 1) \times (((11 - 1) \times ((11 + 11)^{1+1}) - 1)) - 1)$
:= $(22^2 \times (22 - 2)) - (22/2 + 2)$:= $2 \times ((22 \times (222 - 2)) - (2 + 2))$:= $(22^2 \times (22 - 2)) - 2/2 - 2$
:= $3/3 + (3 \times 3333 - 333)$:= $3 + ((3 \times 3333 - 333) + 3)$:= $33/3 + (3 \times 3333 - 333)$
:= $((4^4 - 4)/4) + (4 \times (((4 - 4/4) + 4)^4))$:= $4 + (4 \times (((4 - 4/4) + 4)^4) + 4 \times 4)$:= $4/4 + ((44 \times (4 \times 44 + 44)) - 4)$
:= $((5 + 5)/5 + 5) \times ((5 \times 5 \times 55 + 5/5) + 5)$:= $((5 \times 5 + 5/5) + 5) \times (5^5 - 5)/(5 + 5)$:= $5 + (((5 \times 5 + 5/5) + 5) \times (5^5 - 5)/(5 + 5))$
:= $6/6 + ((66 - 6 - 6) \times (6 \times (6 \times 6 - 6) - 6/6))$:= $(6 - ((6 + 6)/6)) \times (6 \times (6 \times 66 + 6) + 6)$:= $6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) + 66) - 6/6 - 6$
:= $7 + ((7 \times ((7 \times (7 + 7) \times (7 + 7)) + 7)) + 7)$:= $(7/7 + 7) \times (7777/7 + 7 \times (7 + 7))$:= $((77/7 + 7) \times (7 \times 77 - 7/7)) - 7$
:= $88/8 + (8888 + 8 \times (88 + 8))$:= $8 + (8 \times (8 \times (8 \times 8 + 88) - 8))$:= $8 + (88/8 \times (888 - 8/8 - 8))$
:= $9/9 + ((9 \times (9 \times (99 + 9) - 9)) + 999)$:= $99 \times 99 - ((999/9 + 9) + 9)$:= $(9 + 9)/9 + (9999 - (9 + 9) \times (9 + 9))$

- ▶ 9678 := $(1+1) \times (((11-1) \times ((11+11)^{1+1})) - 1)$
:= $(22^2 \times (22-2)) - 2$
:= $3 + (3 \times (3333 - (3 \times (33+3))))$
:= $(44 \times (4 \times 44 + 44)) - (4+4)/4$
:= $5 + (((55+5)/5) + 5) \times ((5^5 - 5)/5 - 55)$
:= $6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) + 66) - 6$
:= $7 + (((7 \times (7 \times (7+7) \times (7+7)) + 7)) + (77/7)) + 7$
:= $(88 \times (888 - 8)/8) - (8+8)/8$
:= $9 + ((99/9) \times (9 \times 99 - (99+9)/9))$
- ▶ 9679 := $(1+1) \times ((11-1) \times ((11+11)^{1+1})) - 1$
:= $(22^2 \times (22-2)) - 2/2$
:= $3 + ((3 \times (3333 - (3 \times (33+3)))) + 3/3)$
:= $(44 \times (4 \times 44 + 44)) - 4/4$
:= $55 + ((5 \times (55 \times ((5 \times 5 + 5) + 5))) - 5/5)$
:= $6/6 + (6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) + 66) - 6)$
:= $((7+7)/7)^7 \times (77 - 7/7) - 7 \times 7$
:= $(88 \times (888 - 8)/8) - 8/8$
:= $99 \times 99 - (999 + 99)/9$
- ▶ 9680 := $(1+1) \times ((11-1) \times ((11+11)^{1+1}))$
:= $22^2 \times (22-2)$
:= $33/3 \times ((33 \times 3^3) - 33/3)$
:= $44 \times (4 \times 44 + 44)$
:= $5 \times ((55 - (55/5))^{(5+5)/5})$
:= $(6 - 6/6) \times (((6+6)/6 + 6 \times 6) + 6)^{(6+6)/6}$
:= $77 + ((7 \times (7 \times (7+7) \times (7+7))) - 7/7)$
:= $88 \times (888 - 8)/8$
:= $99/9 \times (9 \times 99 - (99/9))$
- ▶ 9681 := $1 + ((1+1) \times ((11-1) \times ((11+11)^{1+1})))$
:= $2/2 + (22^2 \times (22-2))$
:= $((3 \times 3 + 3) \times ((3^3 \times (3^3 + 3)) - 3)) - 3$
:= $4/4 + (44 \times (4 \times 44 + 44))$
:= $5^5 + (((5 - 5/5 + 5)^{5-5/5}) - 5)$
:= $6 + ((6 \times 6 \times 6 - 6/6) \times (666/6 - 66))$
:= $77 + (7 \times (7 \times (7+7) \times (7+7)))$
:= $8/8 + (88 \times (888 - 8)/8)$
:= $99 \times 99 - (999/9 + 9)$
- ▶ 9682 := $(1+1) \times (1 + ((11-1) \times ((11+11)^{1+1})))$
:= $2 + (22^2 \times (22-2))$
:= $3^3 + (33 \times 333 - ((33/3)^3 + 3))$
:= $(4+4)/4 + (44 \times (4 \times 44 + 44))$
:= $((5+5)^{5-5/5}) - ((5^5 + 5)/(5+5) + 5)$
:= $(66/6 + 6 \times 6) \times (((6-66)/6) + 6 \times 6 \times 6)$
:= $7/7 + ((7 \times (7 \times (7+7) \times (7+7))) + 77)$
:= $(8+8)/8 + (88 \times (888 - 8)/8)$
:= $99 \times 99 + (((9 - 999)/9) - 9)$
- ▶ 9683 := $1 + ((1+1) \times (1 + ((11-1) \times ((11+11)^{1+1}))))$
:= $2 + ((22^2 \times (22-2)) + 2/2)$
:= $3 + (33/3 \times ((33 \times 3^3) - 33/3))$
:= $4 + ((44 \times (4 \times 44 + 44)) - 4/4)$
:= $((5+5)^{5-5/5}) + (((5-5^5)/(5+5)) - 5)$
:= $6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) + 66) - 6/6$
:= $77 + ((7 \times (7 \times (7+7) \times (7+7))) + ((7+7)/7))$
:= $(88/8 \times ((888 - 8) + 8/8)) - 8$
:= $99 \times 99 - ((9/9 + 99 + 9) + 9)$
- ▶ 9684 := $(1+1) \times (1 + (1 + ((11-1) \times ((11+11)^{1+1}))))$
:= $2 + ((22^2 \times (22-2)) + 2)$
:= $(3 \times 3 + 3) \times ((3^3 \times (3^3 + 3)) - 3)$
:= $4 + (44 \times (4 \times 44 + 44))$
:= $(55/5 + 5 \times 5) \times (5 \times 55 - (5/5 + 5))$
:= $6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) + 66)$
:= $(77/7 + 7) \times (7 \times 77 - 7/7)$
:= $8 \times 8/(8+8) + (88 \times (888 - 8)/8)$
:= $99 \times 99 - (99 + 9 + 9)$
- ▶ 9685 := $(1 + (1 + 1 + 1 + 1)) \times ((1+1)^{11} - 111)$
:= $2 + (((22^2 \times (22-2)) + 2/2) + 2)$
:= $3^3 + (33 \times 333 - (33/3)^3)$
:= $(4/4 + 4) \times (44 \times 44 + 4/4)$
:= $((5+5) \times (5 - 5/5)^5) - 555$
:= $6/6 + 6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) + 66)$
:= $7/7 + ((77/7 + 7) \times (7 \times 77 - 7/7))$
:= $8 + ((88/8 \times (888 - 8/8 - 8)) + 8)$
:= $9 \times 9 + ((99 - 9/9)^{(9+9)/9})$
- ▶ 9686 := $1 + ((1 + (1 + 1 + 1 + 1)) \times ((1+1)^{11} - 111))$
:= $2 + (((22^2 \times (22-2)) + 2) + 2)$
:= $((3^3 - 3/3) + 3) \times (333 + 3/3)$
:= $4 + ((44 \times (4 \times 44 + 44)) + (4+4)/4)$
:= $5^5 + (((5 - 5/5 + 5)^{5-5/5}) - 5)$
:= $(6+6)/6 + 6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) + 66)$
:= $7 + (((7+7)/7)^7 \times (77 - 7/7) - 7 \times 7)$
:= $8 + ((88 \times (888 - 8)/8) - ((8+8)/8))$
:= $9/9 + (((99 - 9/9)^{(9+9)/9}) + 9 \times 9)$
- ▶ 9687 := $((1+1)^{1+1+1} \times (1 + (11 \times (111 - 1)))) - 1$
:= $2 + (((22^2 \times (22-2)) + 2/2) + 2) + 2$
:= $(3^3 \times (333 + 3^3)) - 33$
:= $(44/4 \times ((4/4 + 4)^4 + 4^4)) - 4$
:= $((5+5)^{5-5/5}) - ((5^5 + 5)/(5+5))$
:= $666/6 + (6+6) \times (66 \times (6+6) + 6)$
:= $(77 \times (77 + 7 \times 7)) - (7/7 + 7 \times 7)$
:= $8 + ((88 \times (888 - 8)/8) - 8/8)$
:= $99 \times 99 - (((999 + 9 + 9) + 9)/9)$
- ▶ 9688 := $(1+1)^{1+1+1} \times (1 + (11 \times (111 - 1)))$
:= $2 \times (((22 \times (222 - 2)) + 2) + 2)$
:= $(3^3 + 3/3) \times (((3/3 + 3 + 3)^3) + 3)$
:= $4 + ((44 \times (4 \times 44 + 44)) + 4)$
:= $((5+5)^{5-5/5}) + (((5-5^5)/(5+5)) - 5)$
:= $(666 + 6)/6 + (6+6) \times (66 \times (6+6) + 6)$
:= $(77 \times (77 + 7 \times 7)) - (7+7)$
:= $8 + (88 \times (888 - 8)/8)$
:= $99 \times 99 - ((999 + 9 + 9)/9)$
- ▶ 9689 := $((11 \times (11 - 1 - 1))^{1+1}) - (1 + 111)$
:= $22/2 + ((22^2 \times (22-2)) - 2)$
:= $3 + (((3^3 - 3/3) + 3) \times (333 + 3/3))$
:= $4 + ((4/4 + 4) \times (44 \times 44 + 4/4))$
:= $((5+5) \times ((5 - 5/5)^5 - 55)) - 5/5$
:= $6 + (6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) + 66) - 6/6)$
:= $7/7 + ((77 \times (77 + 7 \times 7)) - (7+7))$
:= $8 + ((88 \times (888 - 8)/8) + 8/8)$
:= $99 \times 99 - ((999 + 9)/9)$
- ▶ 9690 := $((11 \times (11 - 1 - 1))^{1+1}) - 111$
:= $(2/2 + 2 + 2) \times ((2 \times 22)^2 + 2)$
:= $3 + ((3^3 \times (333 + 3^3)) - 33)$
:= $(4/4 + 4) \times (44 \times 44 + (4+4)/4)$
:= $(5+5) \times ((5 - 5/5)^5 - 55)$
:= $6 + 6 \times (6 \times (6 \times (6 \times 6 + 6) + 6) + 66)$
:= $(77 \times (77 + 7 \times 7)) - (77 + 7)/7$
:= $((8+8)/8 + 8) \times ((88 \times 88 + 8)/8)$
:= $99 \times 99 - 999/9$
- ▶ 9691 := $1 + (((11 \times (11 - 1 - 1))^{1+1}) - 111)$
:= $22/2 + (22^2 \times (22-2))$
:= $(33 \times (3 \times 3 \times 33 - 3)) - 33/3$
:= $44/4 \times ((4/4 + 4)^4 + 4^4)$
:= $5 + (((5 - 5/5 + 5)^{5-5/5}) + 5^5)$
:= $66/6 \times ((6 \times 6 \times 6 - 6/6) + 666)$
:= $(77 \times (77 + 7 \times 7)) - 77/7$
:= $88/8 \times ((888 - 8) + 8/8)$
:= $99/9 \times (9 \times 99 - (9/9 + 9))$
- ▶ 9692 := $1 + (1 + ((11 \times (11 - 1 - 1))^{1+1}) - 111)$
:= $2 + ((2/2 + 2 + 2) \times ((2 \times 22)^2 + 2))$
:= $((3 - 33)/3) + (33 \times (3 \times 3 \times 33 - 3))$
:= $4 + (((44 \times (4 \times 44 + 44)) + 4) + 4)$
:= $5 + (((5+5)^{5-5/5}) - (5^5 + 5)/(5+5))$
:= $(6 - 66)/6 + 66 \times (666/6 + 6 \times 6)$
:= $((7 - 77)/7) + (77 \times (77 + 7 \times 7))$
:= $8/8 + (88/8 \times ((888 - 8) + 8/8))$
:= $99 \times 99 - (9/9 + 99 + 9)$

- 9693 := $1 + (1 + (1 + ((11 \times (11 - 1 - 1))^{1+1}) - 111)))$
:= $2 + ((22^2 \times (22 - 2)) + 22/2)$
:= $3 \times (3 \times (33 \times 33 - (3 \times 3 + 3)))$
:= $4 + (((4/4 + 4) \times (44 \times 44 + 4/4)) + 4)$
:= $5 + (((5 + 5)^{5-5/5}) + ((5 - 5^5)/(5 + 5)))$
:= $6 + ((6 + 6) \times (66 \times (6 + 6) + 6) + 666/6)$
:= $((7 + 7)/7 + 7) \times (77 \times (7 + 7) - 7/7)$
:= $(88/8 \times (888 - 8/8)) - 8 \times 8$
:= $99 \times 99 - (99 + 9)$
- 9698 := $(1 + 1) \times ((11 \times ((11 + (11 - 1))^{1+1})) - (1 + 1))$
:= $(22 \times ((22 - 2/2)^2)) - 2 - 2$
:= $(33 \times (3 \times 3 \times 33 - 3)) - (3/3 + 3)$
:= $((4/4 + 4) \times (44 \times 44 + 4)) - (4 + 4)/4$
:= $((5 \times 5 + 5/5) + 5) \times (5^5 + 5)/(5 + 5) - 5$
:= $(6 + 6)/6 + (66 \times (666/6 + 6 \times 6) - 6)$
:= $7 + ((77 \times (77 + 7 \times 7)) - (77/7))$
:= $8 + (((8 + 8)/8) + 8) \times ((88 \times 88 + 8)/8)$
:= $9 + (99 \times 99 - ((999 + 9)/9))$
- 9703 := $1 + ((1 + 1) \times (11 \times ((11 + (11 - 1))^{1+1})))$
:= $2/2 + (22 \times ((22 - 2/2)^2))$
:= $3/3 + (33 \times (3 \times 3 \times 33 - 3))$
:= $4 + (((4/4 + 4) \times (44 \times 44 + 4)) - 4/4)$
:= $((5 \times 5 + 5/5) + 5) \times (5^5 + 5)/(5 + 5)$
:= $6/6 + 66 \times (666/6 + 6 \times 6)$
:= $7/7 + (77 \times (77 + 7 \times 7))$
:= $88888/8 - 88 \times (8 + 8)$
:= $9/9 + (99 \times (99 - 9/9))$
- 9694 := $(1 + 1) \times (((11 \times (1 + 11)) - 1) \times (111/(1 + 1 + 1)))$
:= $2^{2+2} + ((22^2 \times (22 - 2)) - 2)$
:= $3 + ((33 \times (3 \times 3 \times 33 - 3)) - 33/3)$
:= $4 + ((4/4 + 4) \times (44 \times 44 + (4 + 4)/4))$
:= $5 + (((5 + 5) \times ((5 - 5/5)^5 - 55)) - 5/5)$
:= $(6 \times 6 + 6/6) \times (((6 + 6)/6)^{6+(6+6)/6} + 6)$
:= $(77 \times (77 + 7 \times 7)) - (7/7 + 7)$
:= $(88/8 \times (((8 + 8)/8) - 8) + 888) - 8$
:= $9/9 + (99 \times 99 - (99 + 9))$
- 9699 := $((1 + 1) \times ((11 - 1) \times (1 + ((11 + 11)^{1+1})))) - 1$
:= $(22 \times ((22 - 2/2)^2)) - 2/2 - 2$
:= $(33 \times (3 \times 3 \times 33 - 3)) - 3$
:= $((4/4 + 4) \times (44 \times 44 + 4)) - 4/4$
:= $5^5 + (((5 + 5) \times 555) + (5 - 5/5)^5)$
:= $66 \times (666/6 + 6 \times 6) - 6 \times 6/(6 + 6)$
:= $(77 \times (77 + 7 \times 7)) - (7 + 7 + 7)/7$
:= $8 + (88/8 \times ((888 - 8) + 8/8))$
:= $9 + (99 \times 99 - 999/9)$
- 9704 := $(1 + 1) \times (1 + (11 \times ((11 + (11 - 1))^{1+1})))$
:= $2 + (22 \times ((22 - 2/2)^2))$
:= $3 + ((33 \times (3 \times 3 \times 33 - 3)) - 3/3)$
:= $4 + ((4/4 + 4) \times (44 \times 44 + 4))$
:= $5^5 + (5555 + (5 - 5/5)^5)$
:= $(6 + 6)/6 + 66 \times (666/6 + 6 \times 6)$
:= $(7 + 7)/7 + (77 \times (77 + 7 \times 7))$
:= $(88 \times 888/8) - 8 \times 8$
:= $(9 + 9)/9 + (99 \times (99 - 9/9))$
- 9695 := $(1 + (1 + 1 + 1 + 1)) \times (1 + (1 + ((1 + 1)^{11} - 111)))$
:= $2 + (((22^2 \times (22 - 2)) + 22/2) + 2)$
:= $(33 \times (3 \times 3 \times 33 - 3)) - (3/3 + 3 + 3)$
:= $4 + (44/4 \times ((4/4 + 4)^4 + 4^4))$
:= $5 + ((5 + 5) \times ((5 - 5/5)^5 - 55))$
:= $66 \times (666/6 + 6 \times 6) - 6/6 - 6$
:= $(77 \times (77 + 7 \times 7)) - 7$
:= $8 + (((88 \times (888 - 8)/8) - 8/8) + 8)$
:= $(9 + 9)/9 + (99 \times 99 - (99 + 9))$
- 9700 := $(1 + 1) \times ((11 - 1) \times (1 + ((11 + 11)^{1+1})))$
:= $(22 - 2) \times (22^2 + 2/2)$
:= $3/3 + ((33 \times (3 \times 3 \times 33 - 3)) - 3)$
:= $(4/4 + 4) \times (44 \times 44 + 4)$
:= $((5 + 5)^{5-5/5}) - 5 \times (55 + 5)$
:= $66 \times (666/6 + 6 \times 6) - (6 + 6)/6$
:= $(77 \times (77 + 7 \times 7)) - (7 + 7)/7$
:= $((8 + 8)/8 + 8) \times (88 \times 88 + 8 + 8)/8$
:= $99 \times 99 - ((9 + 9)/9 + 99)$
- 9705 := $1 + ((1 + 1) \times (1 + (11 \times ((11 + (11 - 1))^{1+1}))))$
:= $2 + ((22 \times ((22 - 2/2)^2)) + 2/2)$
:= $3 + (33 \times (3 \times 3 \times 33 - 3))$
:= $(4/4 + 4) \times ((44 \times 44 + 4/4) + 4)$
:= $5 + (((5 + 5)^{5-5/5}) - 5 \times (55 + 5))$
:= $(666666/66) - 6 \times 66$
:= $(7 + 7 + 7)/7 + (77 \times (77 + 7 \times 7))$
:= $8/8 + ((88 \times 888/8) - 8 \times 8)$
:= $99 \times 99 + (((9 + 9 + 9)/9) - 99)$
- 9696 := $(1 + 1)^{1+1+1} \times (1 + (1 + (11 \times (111 - 1))))$
:= $2^{2+2} + (22^2 \times (22 - 2))$
:= $(33 \times (3 \times 3 \times 33 - 3)) - 3 - 3$
:= $4 \times (44 \times (44/4 + 44) + 4)$
:= $(55/5 + 5) \times ((55 \times 55 + 5)/5)$
:= $66 \times (666/6 + 6 \times 6) - 6$
:= $7/7 + ((77 \times (77 + 7 \times 7)) - 7)$
:= $8 + ((88 \times (888 - 8)/8) + 8)$
:= $(9 - 9/9) \times (((99/9) \times 999/9) - 9)$
- 9701 := $(111 - 1 - 1) \times (111 - 11 - 11)$
:= $(22 \times ((22 - 2/2)^2)) - 2/2$
:= $(33 \times (3 \times 3 \times 33 - 3)) - 3/3$
:= $4/4 + ((4/4 + 4) \times (44 \times 44 + 4))$
:= $(5/5 + 5)^5 + (55 \times ((5 \times 5 + 5) + 5))$
:= $66 \times (666/6 + 6 \times 6) - 6/6$
:= $(77 \times (77 + 7 \times 7)) - 7/7$
:= $(8/8 + 88) \times ((888 - 8 - 8)/8)$
:= $99 \times 99 - (9/9 + 99)$
- 9706 := $(1 + 1) \times (1 + (1 + (11 \times ((11 + (11 - 1))^{1+1}))))$
:= $2 + ((22 \times ((22 - 2/2)^2)) + 2)$
:= $3 + ((33 \times (3 \times 3 \times 33 - 3)) + 3/3)$
:= $((4 + 4)/4 + 44) \times (4^4 - (44 + 4/4))$
:= $5 + ((55 \times ((5 \times 5 + 5) + 5)) + (5/5 + 5)^5)$
:= $6 + (66 \times (666/6 + 6 \times 6) - ((6 + 6)/6))$
:= $77/7 + ((77 \times (77 + 7 \times 7)) - 7)$
:= $(8 + 8)/8 + ((88 \times 888/8) - 8 \times 8)$
:= $99 \times 99 + (((9 \times 9 - 9)/(9 + 9)) - 99)$
- 9697 := $1 + ((1 + 1)^{1+1+1} \times (1 + (1 + (11 \times (111 - 1))))$
:= $2/2 + ((22^2 \times (22 - 2)) + 2^{2+2})$
:= $3/3 + ((33 \times (3 \times 3 \times 33 - 3)) - (3 + 3))$
:= $4 \times 4 + ((44 \times (4 \times 44 + 44)) + 4/4)$
:= $5 + (((5 + 5)^{5-5/5}) - (5^5 + 5)/(5 + 5) + 5)$
:= $6/6 + (66 \times (666/6 + 6 \times 6) - 6)$
:= $(7 + 7)/7 + ((77 \times (77 + 7 \times 7)) - 7)$
:= $8 + (((88 \times (888 - 8)/8) + 8/8) + 8)$
:= $9 + (99 \times 99 - ((999 + 9 + 9)/9))$
- 9702 := $(1 + 1) \times (11 \times ((11 + (11 - 1))^{1+1}))$
:= $22 \times ((22 - 2/2)^2)$
:= $33 \times (3 \times 3 \times 33 - 3)$
:= $(4 + 4)/4 + ((4/4 + 4) \times (44 \times 44 + 4))$
:= $((5 + 5)/5 + 5) \times (5 \times 5 \times 55 + (55/5))$
:= $66 \times (666/6 + 6 \times 6)$
:= $77 \times (77 + 7 \times 7)$
:= $88/8 \times (((8 + 8)/8) - 8) + 888$
:= $99 \times (99 - 9/9)$
- 9707 := $1 + ((1 + 1) \times (1 + (1 + (11 \times ((11 + (11 - 1))^{1+1}))))$
:= $2 + (((22 \times ((22 - 2/2)^2)) + 2/2) + 2)$
:= $3 + (((33 \times (3 \times 3 \times 33 - 3)) - 3/3) + 3)$
:= $4 \times 4 + (44/4 \times ((4/4 + 4)^4 + 4^4))$
:= $((55 + 5)/5 + 5) \times ((5^5 + 5)/5 - 55)$
:= $6 + (66 \times (666/6 + 6 \times 6) - 6/6)$
:= $7 + ((77 \times (77 + 7 \times 7)) - ((7 + 7)/7))$
:= $8 + ((88/8 \times ((888 - 8) + 8/8)) + 8)$
:= $9 + ((99 \times 99 - ((999 + 9)/9)) + 9)$

$$\begin{aligned}
\blacktriangleright 9708 &:= (1+11) \times (((11-1) \times (11-1-1)^{1+1}) - 1) \\
&:= 2 + (((22 \times ((22-2/2)^2)) + 2) + 2) \\
&:= 3 + ((33 \times (3 \times 3 \times 33 - 3)) + 3) \\
&:= 4 + (((4/4 + 4) \times (44 \times 44 + 4)) + 4) \\
&:= (5 - (5+5)/5) \times (555/5 + 5^5) \\
&:= 6 + 66 \times (666/6 + 6 \times 6) \\
&:= 7 + ((77 \times (77+7 \times 7)) - 7/7) \\
&:= (8 \times 8 \times (8 \times 8 + 88)) - ((88+8)/8 + 8) \\
&:= 9 + ((99 \times 99 - 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9713 &:= 11 \times (1 + ((1+1) \times ((11 + (11-1))^{1+1}))) \\
&:= 22/2 + (22 \times ((22-2/2)^2)) \\
&:= 33/3 + (33 \times (3 \times 3 \times 33 - 3)) \\
&:= 4/4 + (4 \times ((4 \times ((4+4) \times 44 + 4^4)) - 4)) \\
&:= 5 + ((5 - (5+5)/5) \times (555/5 + 5^5)) \\
&:= 66/6 + 66 \times (666/6 + 6 \times 6) \\
&:= 77/7 + (77 \times (77+7 \times 7)) \\
&:= 8/8 + ((8 \times 8 \times (8 \times 8 + 88)) - (8+8)) \\
&:= 99/9 + (99 \times (99-9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9718 &:= ((11^{1+1} - 1) \times (11-1-1)^{1+1}) - 1 - 1 \\
&:= ((22-2) \times (22^2 + 2)) - 2 \\
&:= 3/3 + ((3^3 \times (333+3^3)) - 3) \\
&:= (44-4/4) \times ((444/((4+4)/4)) + 4) \\
&:= (5 \times ((5/5+5)^5/(5-5/5))) - (5+5)/5 \\
&:= (6 \times 6 \times (666-6 \times 66)) - (6+6)/6 \\
&:= 7 + (((77 \times (77+7 \times 7)) + ((7+7)/7)) + 7) \\
&:= (8-88)/8 + (8 \times 8 \times (8 \times 8 + 88)) \\
&:= 99 \times 99 - (((9+9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9709 &:= (((1+1) \times (11-1) - 1) \times ((1+1)^{11-1-1} - 1) \\
&:= ((22-2) \times (22^2 + 2)) - 22/2 \\
&:= (3^3 \times (333+3^3)) - 33/3 \\
&:= 4 + ((4/4 + 4) \times ((44 \times 44 + 4/4) + 4)) \\
&:= 5 + ((5555 + (5-5/5)^5) + 5^5) \\
&:= 6 + (66 \times (666/6 + 6 \times 6) + 6/6) \\
&:= 7 + (77 \times (77+7 \times 7)) \\
&:= (88/8 + 8) \times (8 \times 8 \times 8 - 8/8) \\
&:= 99 \times 99 - ((99/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9714 &:= 1 + (11 \times (1 + ((1+1) \times ((11 + (11-1))^{1+1}))) \\
&:= ((22-2) \times (22^2 + 2)) - 2 - 2 - 2 \\
&:= (3^3 \times (333+3^3)) - 3 - 3 \\
&:= (444-4)/4 + (4 \times (((4-4/4) + 4)^4)) \\
&:= 5^5 + (55/5 \times ((5^5-5)/5 - 5 \times 5)) \\
&:= (6 \times 6 \times (666-6 \times 66)) - 6 \\
&:= (77+7)/7 + (77 \times (77+7 \times 7)) \\
&:= (8+8)/8 + ((8 \times 8 \times (8 \times 8 + 88)) - (8+8)) \\
&:= 99 \times 99 + ((99+9)/9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9719 &:= ((11^{1+1} - 1) \times (11-1-1)^{1+1}) - 1 \\
&:= ((22-2) \times (22^2 + 2)) - 2/2 \\
&:= (3^3 \times (333+3^3)) - 3/3 \\
&:= 4 + ((4 \times (((4-4/4) + 4)^4)) + 444/4) \\
&:= (5 \times ((5/5+5)^5/(5-5/5))) - 5/5 \\
&:= (6 \times 6 \times (666-6 \times 66)) - 6/6 \\
&:= 7 + ((77 \times (77+7 \times 7)) + ((77-7)/7)) \\
&:= (8 \times 8 \times (8 \times 8 + 88)) - (8/8 + 8) \\
&:= 99 \times 99 - (9/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9710 &:= (11-1) \times (1 + ((1+1) \times (1 + ((11+11)^{1+1})))) \\
&:= 2 \times (2+2) + (22 \times ((22-2/2)^2)) \\
&:= 3 \times 3 + ((33 \times (3 \times 3 \times 33 - 3)) - 3/3) \\
&:= (4/4 + 4) \times ((44 \times 44 + (4+4)/4) + 4) \\
&:= (5+5) \times ((5-5/5)^{5/5+5} - 5^5) \\
&:= 6 + (66 \times (666/6 + 6 \times 6) + ((6+6)/6)) \\
&:= 7 + ((77 \times (77+7 \times 7)) + 7/7) \\
&:= 8 + (88/8 \times (((8+8)/8) - 8) + 888) \\
&:= 9 + (99 \times 99 - (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9715 &:= 111 + ((111-1-1-11)^{1+1}) \\
&:= 2 + ((22 \times ((22-2/2)^2)) + 22/2) \\
&:= (3-3/3+3) \times (((3 \times (3+3))^3 - 3)/3) \\
&:= 444/4 + (4 \times (((4-4/4) + 4)^4)) \\
&:= (5 \times ((5/5+5)^5/(5-5/5))) - 5 \\
&:= (66+6/6) \times ((6+6) \times (6+6) + 6/6) \\
&:= 7 + (((77 \times (77+7 \times 7)) - 7/7) + 7) \\
&:= (88/8 \times (888+8/8)) - 8 \times 8 \\
&:= 99 \times 99 + (((99+9+9)/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9720 &:= (11^{1+1} - 1) \times (11-1-1)^{1+1} \\
&:= (22-2) \times (22^2 + 2) \\
&:= 3^3 \times (333+3^3) \\
&:= (4/4 + 4) \times ((44 \times 44 + 4) + 4) \\
&:= 5 \times ((5/5+5)^5/(5-5/5)) \\
&:= 6 \times 6 \times (666-6 \times 66) \\
&:= (77/7 + 7) \times (7 \times 77 + 7/7) \\
&:= (8 \times 8 \times (8 \times 8 + 88)) - 8 \\
&:= 9 \times (999+9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9711 &:= 1 + ((11-1) \times (1 + ((1+1) \times (1 + ((11+11)^{1+1})))) \\
&:= 2 + (((22-2) \times (22^2 + 2)) - 22/2) \\
&:= 3 \times ((33 \times (3 \times 33 - 3/3)) + 3) \\
&:= 44/4 + ((4/4 + 4) \times (44 \times 44 + 4)) \\
&:= (5-5/5+5) \times ((5-5/5)^5 + 55) \\
&:= (666/6 + 6) \times (66/6 + 66 + 6) \\
&:= 7 + ((77 \times (77+7 \times 7)) + ((7+7)/7)) \\
&:= (8 \times 8 \times (8 \times 8 + 88)) - (8/8 + 8 + 8) \\
&:= 9 + (99 \times (99-9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9716 &:= 1 + (111 + ((111-1-1-11)^{1+1})) \\
&:= ((22-2) \times (22^2 + 2)) - 2 - 2 \\
&:= (3^3 \times (333+3^3)) - (3/3+3) \\
&:= 4 + (4 \times ((4 \times ((4+4) \times 44 + 4^4)) - 4)) \\
&:= 5 + ((5-5/5+5) \times ((5-5/5)^5 + 55)) \\
&:= 6/6 + ((66+6/6) \times ((6+6) \times (6+6) + 6/6)) \\
&:= 7 + ((77 \times (77+7 \times 7)) + 7) \\
&:= (8 \times 8 \times (8 \times 8 + 88)) - (88+8)/8 \\
&:= 99 \times 99 + (((9-9 \times 9)/9) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9721 &:= 1 + ((11^{1+1} - 1) \times (11-1-1)^{1+1}) \\
&:= 2/2 + ((22-2) \times (22^2 + 2)) \\
&:= 3/3 + (3^3 \times (333+3^3)) \\
&:= 4/4 + ((4/4 + 4) \times ((44 \times 44 + 4) + 4)) \\
&:= 5/5 + (5 \times ((5/5+5)^5/(5-5/5))) \\
&:= 6/6 + (6 \times 6 \times (666-6 \times 66)) \\
&:= (((7+7)/7)^7 \times (77-7/7)) - 7 \\
&:= 8/8 + ((8 \times 8 \times (8 \times 8 + 88)) - 8) \\
&:= 9/9 + (9 \times (999+9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9712 &:= (11 \times (1 + ((1+1) \times ((11 + (11-1))^{1+1})))) - 1 \\
&:= 2 \times (22 \times (222-2)) + 2^{2+2} \\
&:= 3 + ((3^3 \times (333+3^3)) - 33/3) \\
&:= 4 \times ((4 \times ((4+4) \times 44 + 4^4)) - 4) \\
&:= (55/5+5) \times (((55 \times 55 + 5) + 5)/5) \\
&:= ((6+6)/6)^6 + ((6+6) \times ((66 \times (6+6) + 6) + 6)) \\
&:= ((77-7)/7) + (77 \times (77+7 \times 7)) \\
&:= (8 \times 8 \times (8 \times 8 + 88)) - 8 - 8 \\
&:= 9 + ((99 \times (99-9/9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9717 &:= 1 + (1 + (111 + ((111-1-1-11)^{1+1}))) \\
&:= ((22-2) \times (22^2 + 2)) - 2/2 - 2 \\
&:= (3^3 \times (333+3^3)) - 3 \\
&:= (4 \times (4 \times ((4+4) \times 44 + 4^4))) - 44/4 \\
&:= 5 + ((55/5+5) \times (((55 \times 55 + 5) + 5)/5)) \\
&:= 6 + ((666/6+6) \times (66/6+66+6)) \\
&:= 7 + (((77 \times (77+7 \times 7)) + 7/7) + 7) \\
&:= (8 \times 8 \times (8 \times 8 + 88)) - 88/8 \\
&:= 99 \times 99 - (((9+9+9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9722 &:= 1 + (1 + ((11^{1+1} - 1) \times (11-1-1)^{1+1})) \\
&:= 2 + ((22-2) \times (22^2 + 2)) \\
&:= 3 + ((3^3 \times (333+3^3)) - 3/3) \\
&:= 4 + ((44-4/4) \times ((444/((4+4)/4)) + 4)) \\
&:= (5+5)/5 + (5 \times ((5/5+5)^5/(5-5/5))) \\
&:= (6+6)/6 + (6 \times 6 \times (666-6 \times 66)) \\
&:= 7 + (((77 \times (77+7 \times 7)) - 7/7) + 7) + 7 \\
&:= (8+8)/8 + ((8 \times 8 \times (8 \times 8 + 88)) - 8) \\
&:= (9+9)/9 + (9 \times (999+9 \times 9))
\end{aligned}$$

- ▶ 9723 := $((1+1) \times ((1+1) \times (11 \times ((1+1) \times 111 - 1)))) - 1$ ▶ 9728 := $(1+1)^{11-1-1} \times (((1+1) \times (11-1)) - 1)$ ▶ 9733 := $1 + ((1+11) \times (1 + ((11-1) \times (11-1-1)^{1+1})))$
:= $22 \times (2 \times 222 - 2) - 2/2$:= $2 + ((22 \times (2 \times 222 - 2)) + 2)$:= $2 + (((22-2) \times (22^2+2)) + 22/2)$
:= $3 + (3^3 \times (333+3^3))$:= $3 \times 3 + 3^3 + ((33/3 + 3 \times 3)^3)$:= $3 + (((3^3 \times (333+3^3)) + 3 \times 3) + 3/3)$
:= $44 + ((44 \times (4 \times 44 + 44)) - 4/4)$:= $4 \times (4 \times ((4+4) \times 44 + 4^4))$:= $((44-4)/4)^4 - (44/4 + 4^4)$
:= $5^5 + ((55 \times (5 \times 5 \times 5 - 5)) - ((5+5)/5))$:= $(55/5 + 5) \times (((5^5 - (55+5))/5) - 5)$:= $5 + ((55/5 + 5) \times (((5^5 - (55+5))/5) - 5))$
:= $(6/6 + 6) \times (((6 \times 6/(6+6))^6 - 6) + 666)$:= $((6+6)/6)^6 \times (6 \times 6 \times 6 - ((6+6)/6)^6)$:= $6 + (((6 \times 6 \times (666 - 6 \times 66)) + 6/6) + 6)$
:= $7 + (((77 \times (77 + 7 \times 7)) + 7) + 7)$:= $((7+7)/7)^7 \times (77 - 7/7)$:= $(7 \times 77 \times (7+7)) + ((7+7+7)/7)^7$
:= $8 + ((88/8 \times (888 + 8/8)) - 8 \times 8)$:= $8 \times 8 \times (8 \times 8 + 88)$:= $8 + (((8 \times 8 \times (8 \times 8 + 88)) - (88/8)) + 8)$
:= $99 \times 99 + (((9+9+9)/9) - 9 \times 9)$:= $(9/9 + 9 + 9) \times ((9+9)/9)^9$:= $9 + ((99/9) \times (((9+9)/9) - 9) + 9 \times 99)$
- ▶ 9724 := $(1+1) \times ((1+1) \times (11 \times ((1+1) \times 111 - 1)))$ ▶ 9729 := $1 + ((1+1)^{11-1-1} \times (((1+1) \times (11-1)) - 1))$ ▶ 9734 := $(11 \times (1 + ((1+1) \times (1 + ((11 + (11-1))^{1+1})))) - 1$
:= $22 \times (2 \times 222 - 2)$:= $2 + (((22 \times (2 \times 222 - 2)) + 2/2) + 2)$:= $(2 \times (22 \times 222 - 2^{2+2})) - 2$
:= $3 + (3^3 \times (333 + 3^3)) + 3/3$:= $3 \times (3 \times (3 \times (333 + 3^3))) + 3$:= $3 + ((3^3 \times (333 + 3^3)) + 33/3)$
:= $44 + (44 \times (4 \times 44 + 44))$:= $4/4 + (4 \times (4 \times ((4+4) \times 44 + 4^4)))$:= $(4 - 44)/4 + (((44-4)/4)^4 - 4^4)$
:= $5^5 + ((55 \times (5 \times 5 \times 5 - 5)) - 5/5)$:= $5 + (((55 \times (5 \times 5 \times 5 - 5)) - 5/5) + 5^5)$:= $((5+5+5) \times ((5^5 - 5)/5 + 5 \times 5)) - 5/5$
:= $((6+6)/6 + 66) \times ((6+6) \times (6+6) - 6/6)$:= $(6 \times 6/(6+6) + 6) \times ((6 \times 6 \times (6 \times 6 - 6)) + 6/6)$:= $6 + (((6+6)/6)^6 \times (6 \times 6 \times 6 - ((6+6)/6)^6))$
:= $((7 \times (7+7) + 7/7)^{(7+7)/7}) - 77$:= $7/7 + (((7+7)/7)^7 \times (77 - 7/7))$:= $7 + (((77/7 + 7) \times (7 \times 77 + 7/7)) + 7)$
:= $88/8 \times (888 - 8 \times 8/(8+8))$:= $8/8 + (8 \times 8 \times (8 \times 8 + 88))$:= $8 + ((8 \times 8 \times (8 \times 8 + 88)) - ((8+8)/8))$
:= $99/9 \times (((9+9)/9) - 9) + 9 \times 99$:= $9 + (9 \times (999 + 9 \times 9))$:= $9999 - (((9+9)/9)^{9-9/9}) + 9$
- ▶ 9725 := $1 + ((1+1) \times ((1+1) \times (11 \times ((1+1) \times 111 - 1))))$ ▶ 9730 := $(11-1) \times (1 + ((1+11) \times (11-1-1)^{1+1}))$ ▶ 9735 := $11 \times (1 + ((1+1) \times (1 + ((11 + (11-1))^{1+1})))$
:= $2/2 + (22 \times (2 \times 222 - 2))$:= $2 + (((22 \times (2 \times 222 - 2)) + 2) + 2)$:= $22/2 + (22 \times (2 \times 222 - 2))$
:= $(3 - 3/3 + 3) \times (((3 \times (3+3))^3 + 3)/3)$:= $3^3 + ((33 \times (3 \times 3 \times 33 - 3)) + 3/3)$:= $33 + (33 \times (3 \times 3 \times 33 - 3))$
:= $44 + ((44 \times (4 \times 44 + 44)) + 4/4)$:= $(4+4)/4 + (4 \times (4 \times ((4+4) \times 44 + 4^4)))$:= $(4/4 + 4) \times (44 \times 44 + 44/4)$
:= $5^5 + (55 \times (5 \times 5 \times 5 - 5))$:= $5 + ((55 \times (5 \times 5 \times 5 - 5)) + 5^5)$:= $(5+5+5) \times ((5^5 - 5)/5 + 5 \times 5)$
:= $6 + ((6 \times 6 \times (666 - 6 \times 66)) - 6/6)$:= $6 + (((6+6)/6 + 66) \times ((6+6) \times (6+6) - 6/6))$:= $(66 - 66/6) \times (666/6 + 66)$
:= $((7+7)/7)^7 + ((7 \times (7 \times (7+7) \times (7+7))) - 7)$:= $77 + (7 \times ((7 \times (7+7) \times (7+7)) + 7))$:= $7 + (((7+7)/7)^7 \times (77 - 7/7))$
:= $8 + ((8 \times 8 \times (8 \times 8 + 88)) - (88/8))$:= $(8+8)/8 + (8 \times 8 \times (8 \times 8 + 88))$:= $8 + ((8 \times 8 \times (8 \times 8 + 88)) - 8/8)$
:= $99 \times 99 + (((9 \times 9 + 9)/9) - 9 \times 9)$:= $9 + (9 \times (999 + 9 \times 9)) + 9/9$:= $99/9 \times (((9+9+9)/9) - 9) + 9 \times 99$
- ▶ 9726 := $(1+1) \times (1 + ((1+1) \times (11 \times ((1+1) \times 111 - 1))))$ ▶ 9731 := $11 + ((11^{1+1} - 1) \times (11-1-1)^{1+1})$ ▶ 9736 := $((1+1)^{11} + ((11 \times (1+11))^{1+1}))/ (1+1)$
:= $2 + (22 \times (2 \times 222 - 2))$:= $22/2 + ((22-2) \times (22^2+2))$:= $2 \times (22 \times 222 - 2^{2+2})$
:= $3 + (3^3 \times (333 + 3^3)) + 3$:= $33/3 + (3^3 \times (333 + 3^3))$:= $3/3 + ((33 \times (3 \times 3 \times 33 - 3)) + 33)$
:= $(4 \times (4 \times ((4+4) \times 44 + 4^4))) - (4+4)/4$:= $4 + ((4 \times (4 \times ((4+4) \times 44 + 4^4))) - 4/4)$:= $((44-4)/4)^4 - (4^4 + 4 + 4)$
:= $5^5 + ((55 \times (5 \times 5 \times 5 - 5)) + 5/5)$:= $5 + (((55 \times (5 \times 5 \times 5 - 5)) + 5^5) + 5/5)$:= $55555/5 - 5 \times 5 \times 55$
:= $6 + (6 \times 6 \times (666 - 6 \times 66))$:= $66/6 + (6 \times 6 \times (666 - 6 \times 66))$:= $666 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - ((6+6)/6))$
:= $(7 \times 77 \times (7+7)) + (((7+7+7)/7)^7 - 7)$:= $7 + (((7 \times (7+7) + 7/7)^{(7+7)/7}) - 77)$:= $7 + (((7+7)/7)^7 \times (77 - 7/7)) + 7/7$
:= $(8 \times 8 \times (8 \times 8 + 88)) - (8+8)/8$:= $88/8 + ((8 \times 8 \times (8 \times 8 + 88)) - 8)$:= $8 + (8 \times 8 \times (8 \times 8 + 88))$
:= $9 + (99 \times 99 - ((9+9+9)/9) + 9 \times 9)$:= $99/9 + (9 \times (999 + 9 \times 9))$:= $9 + ((99 \times 99 - ((9+9)/9) + 9 \times 9) + 9)$
- ▶ 9727 := $(1+1)^{11-1-1} \times (((1+1) \times (11-1)) - 1) - 1$ ▶ 9732 := $(1+11) \times (1 + ((11-1) \times (11-1-1)^{1+1}))$ ▶ 9737 := $1 + (((1+1)^{11} + ((11 \times (1+11))^{1+1}))/ (1+1))$
:= $2 + ((22 \times (2 \times 222 - 2)) + 2/2)$:= $2 \times (((22 \times (222 - 2/2)) + 2) + 2)$:= $2 + ((22 \times (2 \times 222 - 2)) + 22/2)$
:= $3 + (((3^3 \times (333 + 3^3)) + 3/3) + 3)$:= $3 + ((3^3 \times (333 + 3^3)) + 3 \times 3)$:= $(3 \times (3 \times 33 \times 33)) - ((3/3 + 3)^3)$
:= $(4 \times (4 \times ((4+4) \times 44 + 4^4))) - 4/4$:= $4 + (4 \times (4 \times ((4+4) \times 44 + 4^4)))$:= $4 + (((44-4)/4)^4 - (44/4 + 4^4))$
:= $5^5 + ((55 \times (5 \times 5 \times 5 - 5)) + ((5+5)/5))$:= $5 + (((55 \times (5 \times 5 \times 5 - 5)) + ((5+5)/5)) + 5^5)$:= $5^5 + ((55 \times (5 \times 5 \times 5 - 5)) + ((55+5)/5))$
:= $6 + ((6 \times 6 \times (666 - 6 \times 66)) + 6/6)$:= $6 + ((6 \times 6 \times (666 - 6 \times 66)) + 6)$:= $666 + (6 \times 6 \times 6 \times (6 \times 6 + 6) - 6/6)$
:= $7 + ((77/7 + 7) \times (7 \times 77 + 7/7))$:= $((7+7)/7)^7 + (7 \times (7 \times (7+7) \times (7+7)))$:= $7 + ((7 \times ((7 \times (7+7) \times (7+7)) + 7)) + 77)$
:= $(8 \times 8 \times (8 \times 8 + 88)) - 8/8$:= $8 \times 8/(8+8) + (8 \times 8 \times (8 \times 8 + 88))$:= $8 + ((8 \times 8 \times (8 \times 8 + 88)) + 8/8)$
:= $9 + (99 \times 99 - ((9+9)/9) + 9 \times 9)$:= $99 \times 99 + ((99+9)/9 - 9 \times 9)$:= $9 + ((9/9 + 9 + 9) \times ((9+9)/9)^9)$

- 9738 := $(1+1) \times (((1+1) \times ((1+1) \times (11 \times 111 - 1))) - 11)$ ► 9743 := $((1+111) \times (111 - ((1+1) \times (1+11)))) - 1$ ► 9748 := $1 + ((1+1+1) \times ((1+(1+111)/(1+1))^{1+1}))$
:= $2 + (2 \times (22 \times 222 - 2^{2+2}))$:= $22 + (((22-2) \times (22^2 + 2)) + 2/2)$:= $2 + (22 \times (((22-2/2)^2) + 2))$
:= $3 \times ((3 \times (33 \times 33 - (3+3))) - 3)$:= $3 \times 3333 - ((3/3 + 3)^{3+3+3})$:= $3/3 + (3 \times (3 \times (33 \times 33 - (3+3))))$
:= $((44-4)/4)^4 - (((4+4)/4 + 4^4) + 4)$:= $((44-4)/4)^4 - (4/4 + 4^4)$:= $4 + (((44-4)/4)^4 - 4^4)$
:= $(5/5 + 5) \times ((5 \times (5 \times (55 + 5 + 5))) - ((5+5)/5))$:= $55 + (((5+5)^{5-5/5}) + ((5-5^5)/(5+5)))$:= $(5 \times ((5+5+5) \times (5 \times 5 \times 5 + 5))) - (5+5)/5$
:= $666 + 6 \times 6 \times 6 \times (6 \times 6 + 6)$:= $6 + ((6 \times 6 \times 6 \times (6 \times 6 + 6) - 6/6) + 666)$:= $((66-6)/6)^{6-(6+6)/6} - 6 \times (6 \times 6 + 6)$
:= $(77/7 + 7) \times (7 \times 77 + ((7+7)/7))$:= $7 \times 7 + ((77 \times (77 + 7 \times 7)) - (7/7 + 7))$:= $7 \times 7 + ((77 \times (77 + 7 \times 7)) - ((7+7+7)/7))$
:= $8 + ((8 \times 8 \times (8 \times 8 + 88)) + ((8+8)/8))$:= $8 + (((8 \times 8 \times (8 \times 8 + 88)) - 8/8) + 8)$:= $8 + ((8 \times 8 \times (8 \times 8 + 88)) + ((88+8)/8))$
:= $9 + ((9 \times (999 + 9 \times 9)) + 9)$:= $9999 - (((9+9)/9)^{9-9/9})$:= $9/9 + (9 \times 9 \times (99 + 9) + 999)$
- 9739 := $11 + ((1+1)^{11-1-1} \times (((1+1) \times (11-1)) - 1))$ ► 9744 := $(1+111) \times (111 - ((1+1) \times (1+11)))$ ► 9749 := $((1+1)^{1+1+1} \times (11 \times 111 - 1)) - 11$
:= $((22-2) \times ((22^2 + 2/2) + 2)) - 2/2$:= $(2 \times 22 \times 222) - 22 - 2$:= $2 + ((22 \times (((22-2/2)^2) + 2)) + 2/2)$
:= $3/3 + (3 \times ((3 \times (33 \times 33 - (3+3))) - 3))$:= $(33/3 + 3) \times (3^{3+3} - 33)$:= $3 + ((3 \times (3 \times (33 \times 33 - (3+3)))) - 3/3)$
:= $((44-4)/4)^4 - ((4/4 + 4^4) + 4)$:= $((44-4)/4)^4 - 4^4$:= $4 + (((44-4)/4)^4 - 4^4) + 4/4$
:= $(5 \times ((5+5+5) \times (5 \times 5 \times 5 + 5))) - 55/5$:= $(55/5 + 5) \times (((5^5 - 55)/5) - 5)$:= $(5 \times ((5+5+5) \times (5 \times 5 \times 5 + 5))) - 5/5$
:= $6/6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + 666)$:= $6 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + 666)$:= $((6/6 - 66) \times (66 - 6 \times 6 \times 6)) - 6/6$
:= $7 + ((7 \times (7 \times (7+7) \times (7+7))) + ((7+7)/7)^7)$:= $7 \times 7 + ((77 \times (77 + 7 \times 7)) - 7)$:= $7 + (((7+7)/7)^7 \times (77 - 7/7) + 7) + 7$
:= $88/8 + (8 \times 8 \times (8 \times 8 + 88))$:= $8 + ((8 \times 8 \times (8 \times 8 + 88)) + 8)$:= $(88/8 \times (888 - 8/8)) - 8$
:= $9 + (((9 \times (999 + 9 \times 9)) + 9/9) + 9)$:= $(99 + 9)/9 \times (9 \times (9 \times 9 + 9) + ((9+9)/9))$:= $9 + (((9 \times (999 + 9 \times 9)) + (99/9)) + 9)$
- 9740 := $(1+1) \times ((11-1) \times (1 + (1 + (1 + ((11+11)^{1+1}))))$ ► 9745 := $1 + ((1+111) \times (111 - ((1+1) \times (1+11))))$ ► 9750 := $(1+1+1) \times (1 + ((1+(1+111)/(1+1))^{1+1}))$
:= $(22-2) \times ((22^2 + 2/2) + 2)$:= $22^2 + ((22-2/2)^{2/2+2})$:= $(2 \times (22 \times 222 + 2)) - 22$
:= $3 + ((3 \times (3 \times 33 \times 33)) - ((3/3 + 3)^3))$:= $3/3 + ((33/3 + 3) \times (3^{3+3} - 33))$:= $3 + (3 \times (3 \times (33 \times 33 - (3+3))))$
:= $((44-4)/4)^4 - (4^4 + 4)$:= $4/4 + (((44-4)/4)^4 - 4^4)$:= $4 + (((44-4)/4)^4 - 4^4) + (4+4)/4$
:= $(5+5) \times (((5-5/5)^5 - 55) + 5)$:= $5 \times (((5/5 + 5)^5 / (5-5/5)) + 5)$:= $5 \times ((5+5+5) \times (5 \times 5 \times 5 + 5))$
:= $666 + (6 \times 6 \times 6 \times (6 \times 6 + 6) + ((6+6)/6))$:= $6 + ((6 \times 6 \times 6 \times (6 \times 6 + 6) + 666) + 6/6)$:= $(6/6 - 66) \times (66 - 6 \times 6 \times 6)$
:= $7 + ((7 \times 77 \times (7+7)) + ((7+7+7)/7)^7)$:= $(77 \times ((7+7)/7)^7) - 777/7$:= $7 \times 7 + ((77 \times (77 + 7 \times 7)) - 7/7)$
:= $((88+8)/8) + (8 \times 8 \times (8 \times 8 + 88))$:= $8 + (((8 \times 8 \times (8 \times 8 + 88)) + 8/8) + 8)$:= $8/8 + ((88/8 \times (888 - 8/8)) - 8)$
:= $9 + ((9 \times (999 + 9 \times 9)) + (99/9))$:= $99 \times 99 - ((999 + 9)/(9 + 9))$:= $(9/9 + 9) \times (9 \times (99 + 9) + ((9+9+9)/9))$
- 9741 := $(1+1+1) \times (111 + ((1+111)/(1+1))^{1+1})$ ► 9746 := $(1+1) \times (11 \times (((1+1) \times (1+1) \times 111) - 1))$ ► 9751 := $((1+1)^{1+1+1} \times (11 \times 111 - (1+1))) - 1$
:= $22 + (((22-2) \times (22^2 + 2)) - 2/2)$:= $22 \times (((22-2/2)^2) + 2)$:= $2/2 + ((2 \times (22 \times 222 + 2)) - 22)$
:= $(3 \times (3 \times (33 \times 33 - 3))) - 33$:= $(3 \times (3 \times (33 \times 33 - (3+3)))) - 3/3$:= $3 + ((3 \times (3 \times (33 \times 33 - (3+3)))) + 3/3)$
:= $4/4 + (((44-4)/4)^4 - (4^4 + 4))$:= $(4+4)/4 + (((44-4)/4)^4 - 4^4)$:= $4 + (((44-4)/4)^4 - (4/4 + 4^4)) + 4$
:= $5 + (55555/5 - 5 \times 5 \times 55)$:= $5/5 + (5 \times (((5/5 + 5)^5 / (5-5/5)) + 5))$:= $5/5 + (5 \times ((5+5+5) \times (5 \times 5 \times 5 + 5)))$
:= $6 + ((66-66/6) \times (666/6 + 66))$:= $((66+66)/6) \times ((6 \times (66+6)) + (66/6))$:= $6/6 + ((6/6 - 66) \times (66 - 6 \times 6 \times 6))$
:= $7 + (((77/7 + 7) \times (7 \times 77 + 7/7)) + 7) + 7$:= $((7-777)/7) + (77 \times ((7+7)/7)^7)$:= $7 \times ((77 \times (77/7 + 7)) + 7)$
:= $(88/8 \times (888 - 8/8)) - 8 - 8$:= $88/8 \times (888 - ((8+8)/8))$:= $(88 \times 888/8) - (8/8 + 8 + 8)$
:= $9 + (((99+9)/9 - 9 \times 9) + 99 \times 99)$:= $9 + (((9/9 + 9 + 9) \times ((9+9)/9)^9) + 9)$:= $99 \times 99 - ((9 \times 99 + 9)/(9 + 9))$
- 9742 := $11111 - ((111/(1+1+1))^{1+1})$ ► 9747 := $(1+1+1) \times ((1+(1+111)/(1+1))^{1+1})$ ► 9752 := $(1+1)^{1+1+1} \times (11 \times 111 - (1+1))$
:= $22 + ((22-2) \times (22^2 + 2))$:= $2/2 + (22 \times (((22-2/2)^2) + 2))$:= $2 \times (22 \times 222 - 2 \times (2+2))$
:= $3/3 + ((3 \times (3 \times (33 \times 33 - 3))) - 33)$:= $3 \times (3 \times (33 \times 33 - (3+3)))$:= $33 + ((3^3 \times (333 + 3^3)) - 3/3)$
:= $((44-4)/4)^4 - ((4+4)/4 + 4^4)$:= $4 + (((44-4)/4)^4 - (4/4 + 4^4))$:= $4 + (((44-4)/4)^4 - 4^4) + 4$
:= $55 + (((5+5)^{5-5/5}) - (5^5 + 5)/(5+5))$:= $(5-5+5)/5 \times ((5 \times 5 \times 5 - 5/5) + 5^5)$:= $(5+5)/5 + (5 \times ((5+5+5) \times (5 \times 5 \times 5 + 5)))$
:= $6 + ((6 \times 6 \times 6 \times (6 \times 6 + 6) - ((6+6)/6)) + 666)$:= $((66 \times 6/(6+6)) - 6) \times (6 \times (66 - 6) + 6/6)$:= $(6+6)/6 + ((6/6 - 66) \times (66 - 6 \times 6 \times 6))$
:= $7 + (((7+7)/7)^7 \times (77 - 7/7) + 7)$:= $7 + (((7 \times 77 \times (7+7)) + ((7+7+7)/7)^7) + 7)$:= $7/7 + ((77 \times (77 + 7 \times 7)) + 7 \times 7)$
:= $8 + (((8 \times 8 \times (8 \times 8 + 88)) - ((8+8)/8)) + 8)$:= $(88/8 + 8) \times (8 \times 8 \times 8 + 8/8)$:= $(88 \times 888/8) - 8 - 8$
:= $99 \times 99 + (((99+99)/9) - 9 \times 9)$:= $999 + 9 \times 9 \times (99 + 9)$:= $99 \times 99 + ((9-9 \times 99)/(9+9))$

- **9753** := $1 + ((1+1)^{1+1+1} \times (11 \times 111 - (1+1)))$
:= $(2 \times (22 \times 222 - 2)) - 22/2$
:= $33 + (3^3 \times (333 + 3^3))$
:= $4 + (((44 - 4)/4)^4 - 4^4) + 4/4 + 4$
:= $(5 - (5+5)/5) \times ((5 \times 5 \times 5 + 5^5) + 5/5)$
:= $6 + (((66 \times 6/(6+6)) - 6) \times (6 \times (66 - 6) + 6/6))$
:= $7 \times 7 + (((77 \times (77 + 7 \times 7)) + ((7+7)/7))$
:= $8/8 + ((88 \times 888/8) - (8+8))$
:= $9 + ((99+9)/9 \times (9 \times (9 \times 9 + 9) + ((9+9)/9)))$
- **9754** := $1 + (1 + ((1+1)^{1+1+1} \times (11 \times 111 - (1+1))))$
:= $2 + (2 \times (22 \times 222 - 2 \times (2+2)))$
:= $3/3 + ((3^3 \times (333 + 3^3)) + 33)$
:= $(44 - 4)/4 + (((44 - 4)/4)^4 - 4^4)$
:= $5 + ((5 \times ((5+5+5) \times (5 \times 5 \times 5 + 5))) - 5/5)$
:= $(6^{6-6/6}) + (66 \times (6 \times 6 - 6) - ((6+6)/6))$
:= $(777/7 \times (77/7 + 77)) - (7+7)$
:= $8 + (88/8 \times (888 - ((8+8)/8)))$
:= $9 + (99 \times 99 - ((999+9)/(9+9)))$
- **9755** := $11111 - ((1+11) \times (1+1+111))$
:= $(2 \times 22 \times 222) - (22/2 + 2)$
:= $3 \times 3333 - ((3^{3+3} + 3)/3)$
:= $44/4 + (((44 - 4)/4)^4 - 4^4)$
:= $5 + (5 \times ((5+5+5) \times (5 \times 5 \times 5 + 5)))$
:= $(6^{6-6/6}) + (66 \times (6 \times 6 - 6) - 6/6)$
:= $7 \times 7 + (((77 \times (77 + 7 \times 7)) - 7) + (77/7))$
:= $8 + ((88/8 + 8) \times (8 \times 8 \times 8 + 8/8))$
:= $9999 - (9 \times (9+9+9) + 9/9)$
- **9756** := $(11 \times ((111 \times (1+1)^{1+1+1}) - 1)) - 1$
:= $2 \times (22 \times 222 - (2+2+2))$
:= $3 \times (3333 - 3 \times 3^3)$
:= $((4 \times 4 + 4) \times (444 + 44)) - 4$
:= $5 + ((5 \times ((5+5+5) \times (5 \times 5 \times 5 + 5))) + 5/5)$
:= $6 \times (6 \times (666 - 6 \times 66) + 6)$
:= $((7+7)/7 + 7) \times ((77 \times (7+7) - 7/7) + 7)$
:= $(88 \times 888/8) - (88+8)/8$
:= $9999 - 9 \times (9+9+9)$
- **9757** := $11 \times ((111 \times (1+1)^{1+1+1}) - 1)$
:= $(2 \times 22 \times 222) - 22/2$
:= $3/3 + (3 \times (3333 - 3 \times 3^3))$
:= $44/4 \times (((4+4) \times 444 - 4)/4)$
:= $((5+5)^{5-5/5}) - ((5 - (5+5)/5)^5)$
:= $6/6 + (66 \times (6 \times 6 - 6) + (6^{6-6/6}))$
:= $7 + (((77 \times (77 + 7 \times 7)) - 7/7) + 7 \times 7)$
:= $88/8 \times (888 - 8/8)$
:= $9/9 + (9999 - 9 \times (9+9+9))$
- **9758** := $1 + (11 \times ((111 \times (1+1)^{1+1+1}) - 1))$
:= $(2 \times (22 \times 222 - (2+2))) - 2$
:= $3 + (3 \times 3333 - ((3^{3+3} + 3)/3))$
:= $((44 - 4)/4)^4 - 44 \times 44/(4+4)$
:= $5 + ((5 - (5+5)/5) \times ((5 \times 5 \times 5 + 5^5) + 5/5))$
:= $(6+6)/6 + (66 \times (6 \times 6 - 6) + (6^{6-6/6}))$
:= $7 + ((77 \times (77 + 7 \times 7)) + 7 \times 7)$
:= $8/8 + (88/8 \times (888 - 8/8))$
:= $(9/9 + 9 \times 9) \times ((99/9 + 99) + 9)$
- **9759** := $((1+1)^{1+1+1} \times (11 \times 111 - 1)) - 1$
:= $2 + ((2 \times 22 \times 222) - 22/2)$
:= $3 + (3 \times (3333 - 3 \times 3^3))$
:= $((4 \times 4 + 4) \times (444 + 44)) - 4/4$
:= $((55/5 + 5) \times (555 + 55)) - 5/5$
:= $666/6 + ((6+6) \times ((66 \times (6+6) + 6) + 6))$
:= $7 + (((77 \times (77 + 7 \times 7)) + 7 \times 7) + 7/7)$
:= $(88 \times 888/8) - (8/8 + 8)$
:= $(999/9 \times (99 - (99/9))) - 9$
- **9760** := $(1+1)^{1+1+1} \times (11 \times 111 - 1)$
:= $2 \times (22 \times 222 - (2+2))$
:= $3 + ((3 \times (3333 - 3 \times 3^3)) + 3/3)$
:= $(4 \times 4 + 4) \times (444 + 44)$
:= $(55/5 + 5) \times (555 + 55)$
:= $(6 - ((6+6)/6)) \times (6 \times 6 \times 66 + ((6+6)/6)^6)$
:= $(7/7 + 7) \times ((77 \times 777/7 - 7)/7)$
:= $(88 \times 888/8) - 8$
:= $99 \times 99 - ((9 \times 9 \times 9 + 9)/(9+9))$
- **9761** := $1 + ((1+1)^{1+1+1} \times (11 \times 111 - 1))$
:= $2/2 + (2 \times (22 \times 222 - (2+2)))$
:= $(3 \times ((3 \times (33 \times 33 - 3)) - 3)) - (3/3 + 3)$
:= $4/4 + ((4 \times 4 + 4) \times (444 + 44))$
:= $5^5 + ((5/5 + 5) \times (5555/5 - 5))$
:= $(6 \times 6 + 6/6 + 6) \times (6 \times 6 \times 6 + 66/6)$
:= $(777/7 \times (77/7 + 77)) - 7$
:= $8/8 + ((88 \times 888/8) - 8)$
:= $99 \times 99 + ((9 - 9 \times 9 \times 9)/(9+9))$
- **9762** := $1 + (1 + ((1+1)^{1+1+1} \times (11 \times 111 - 1)))$
:= $(2 \times (22 \times 222 - 2)) - 2$
:= $(3 \times ((3 \times (33 \times 33 - 3)) - 3)) - 3$
:= $(4+4)/4 + ((4 \times 4 + 4) \times (444 + 44))$
:= $5 + (((5+5)^{5-5/5}) - ((5 - (5+5)/5)^5))$
:= $6 + (66 \times (6 \times 6 - 6) + (6^{6-6/6}))$
:= $7 \times 7 + ((77 \times (77 + 7 \times 7)) + (77/7))$
:= $(8+8)/8 + ((88 \times 888/8) - 8)$
:= $9 \times 9 + (99 \times 99 - (999/9 + 9))$
- **9763** := $((1+1) \times ((1+1) \times (((1+1) \times 11 \times 111) - 1))) - 1$
:= $(2 \times (22 \times 222 - 2)) - 2/2$
:= $(3 \times (3 \times (33 \times 33 - 3))) - 33/3$
:= $4 + (((4 \times 4 + 4) \times (444 + 44)) - 4/4)$
:= $55 + ((5 - (5+5)/5) \times (555/5 + 5^5))$
:= $6 + ((66 \times (6 \times 6 - 6) + (6^{6-6/6})) + 6/6)$
:= $7 + (((7+7)/7 + 7) \times ((77 \times (7+7) - 7/7) + 7))$
:= $(88/8 \times (888 + 8/8)) - 8 - 8$
:= $99 \times 99 - ((99/9 + 9 + 9) + 9)$
- **9764** := $(1+1) \times ((1+1) \times (((1+1) \times 11 \times 111) - 1))$
:= $2 \times (22 \times 222 - 2)$
:= $(3 \times ((3 \times (33 \times 33 - 3)) - 3)) - 3/3$
:= $4 + ((4 \times 4 + 4) \times (444 + 44))$
:= $((5+5+5) \times ((5^5 + 5)/5 + 5 \times 5)) - 5/5$
:= $(6 - ((6+6)/6)) \times ((6 \times 6 \times 66 - 6/6) + 66)$
:= $777/7 + (7 \times ((7 \times (7+7) \times (7+7)) + 7))$
:= $(88 \times 888/8) - 8 \times 8/(8+8)$
:= $99 \times 99 - ((9/9 + 9 + 9) + 9 + 9)$
- **9765** := $1 + ((1+1) \times ((1+1) \times (((1+1) \times 11 \times 111) - 1)))$
:= $2/2 + (2 \times (22 \times 222 - 2))$
:= $3 \times ((3 \times (33 \times 33 - 3)) - 3)$
:= $((4^4 - 4)/4) \times (444/4 + 44)$
:= $(5+5+5) \times ((5^5 + 5)/5 + 5 \times 5)$
:= $(6/6 + 6) \times (((6 \times 6/(6+6))^6) + 666)$
:= $((7+7)/7 + 7) \times (77 \times (7+7) + 7)$
:= $8 + (88/8 \times (888 - 8/8))$
:= $99 \times 99 - ((9+9+9) + 9)$
- **9766** := $(1+1) \times (((1+1) \times ((1+1) \times 11 \times 111)) - 1)$
:= $(2 \times 22 \times 222) - 2$
:= $3/3 + (3 \times ((3 \times (33 \times 33 - 3)) - 3))$
:= $(4/4 + 4^4) \times (44 - ((4+4)/4 + 4))$
:= $5/5 + ((5+5+5) \times ((5^5 + 5)/5 + 5 \times 5))$
:= $((6+6)/6)^6 + 66 \times (666/6 + 6 \times 6)$
:= $7/7 + (((7+7)/7 + 7) \times (77 \times (7+7) + 7))$
:= $(88 \times 888/8) - (8+8)/8$
:= $9/9 + (99 \times 99 - ((9+9+9) + 9))$
- **9767** := $(11 \times (111 \times (1+1)^{1+1+1})) - 1$
:= $(2 \times 22 \times 222) - 2/2$
:= $(3 \times (3 \times 33 \times 33)) - 3/3 - 33$
:= $(44 \times (444/((4+4)/4))) - 4/4$
:= $5 + (((5+5)^{5-5/5}) - ((5 - (5+5)/5)^5)) + 5$
:= $(66 \times ((666+6)/6 + 6 \times 6)) - 6/6$
:= $((7+7) \times 777) - 7777/7$
:= $(88 \times 888/8) - 8/8$
:= $9 + ((9/9 + 9 \times 9) \times ((99/9 + 99) + 9))$

$$\begin{aligned}
\blacktriangleright 9768 &:= 11 \times (111 \times (1+1)^{1+1+1}) \\
&:= 2 \times 22 \times 222 \\
&:= 33 \times (3 \times 3 \times 33 - 3/3) \\
&:= 44 \times (444 / ((4+4)/4)) \\
&:= (((5+5)/5)^5 + 5) \times (5 \times 55 - (55/5)) \\
&:= 66 \times ((666+6)/6 + 6 \times 6) \\
&:= 777/7 \times (77/7 + 77) \\
&:= 88 \times 888/8 \\
&:= 999/9 \times (99 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9769 &:= 1 + (11 \times (111 \times (1+1)^{1+1+1})) \\
&:= 2/2 + (2 \times 22 \times 222) \\
&:= 3/3 + (33 \times (3 \times 3 \times 33 - 3/3)) \\
&:= 4/4 + (44 \times (444 / ((4+4)/4))) \\
&:= 5^5 + (55/5 \times ((55 \times 55 - 5)/5)) \\
&:= 6/6 + (66 \times ((666+6)/6 + 6 \times 6)) \\
&:= 7/7 + (777/7 \times (77/7 + 77)) \\
&:= 8/8 + (88 \times 888/8) \\
&:= 9 + (99 \times 99 - (9 \times 9 \times 9 + 9) / (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9770 &:= 1 + (1 + (11 \times (111 \times (1+1)^{1+1+1}))) \\
&:= 2 + (2 \times 22 \times 222) \\
&:= (3 \times (3 \times (33 \times 33 - 3))) - (3/3 + 3) \\
&:= 4 + ((4/4 + 4^4) \times (44 - ((4+4)/4 + 4))) \\
&:= 5 + ((5+5+5) \times ((5^5+5)/5 + 5 \times 5)) \\
&:= (6+6)/6 + (66 \times ((666+6)/6 + 6 \times 6)) \\
&:= 7 \times 7 + (((7+7)/7)^7 \times (77 - 7/7)) - 7 \\
&:= (8+8)/8 + (88 \times 888/8) \\
&:= 99 \times 99 - (((99+99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9771 &:= 1 + (1 + (1 + (11 \times (111 \times (1+1)^{1+1+1})))) \\
&:= 2 + ((2 \times 22 \times 222) + 2/2) \\
&:= (3 \times (3 \times (33 \times 33 - 3))) - 3 \\
&:= 4 + ((44 \times (444 / ((4+4)/4))) - 4/4) \\
&:= 555 + ((5 - 5/5 + 5) \times (5 - 5/5)^5) \\
&:= 6 + ((6/6 + 6) \times (((6 \times 6 / (6+6))^6) + 666)) \\
&:= 77 + ((77 \times (77 + 7 \times 7)) - (7/7 + 7)) \\
&:= (88/8 \times (888 + 8/8)) - 8 \\
&:= 9 \times 9 + (99 \times 99 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9772 &:= (1+1) \times ((1+1) \times (1 + ((1+1) \times 11 \times 111))) \\
&:= 2 \times (22 \times 222 + 2) \\
&:= 3/3 + ((3 \times (3 \times (33 \times 33 - 3))) - 3) \\
&:= 4 + (44 \times (444 / ((4+4)/4))) \\
&:= (5 - 5/5) \times (5^5 - ((5^5 + 5 + 5)/5 + 55)) \\
&:= (6/6 + 6) \times ((6 \times (6 \times 6 \times 6 + 6)) + ((6+6)/6)^6) \\
&:= 77 + ((77 \times (77 + 7 \times 7)) - 7) \\
&:= 8 \times 8 / (8 + 8) + (88 \times 888/8) \\
&:= 99 \times 99 - (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9773 &:= 1 + ((1+1) \times ((1+1) \times (1 + ((1+1) \times 11 \times 111)))) \\
&:= 2/2 + (2 \times (22 \times 222 + 2)) \\
&:= (3 \times (3 \times (33 \times 33 - 3))) - 3/3 \\
&:= 4 + ((44 \times (444 / ((4+4)/4))) + 4/4) \\
&:= 5^5 + (((55+5)/5) \times (555 - 5/5)) \\
&:= 6 + ((66 \times ((666+6)/6 + 6 \times 6)) - 6/6) \\
&:= 7/7 + (((77 \times (77 + 7 \times 7)) - 7) + 77) \\
&:= 8 + ((88/8 \times (888 - 8/8)) + 8) \\
&:= 99 \times 99 - ((9/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9774 &:= (1+1) \times (1 + ((1+1) \times (1 + ((1+1) \times 11 \times 111)))) \\
&:= 2 + (2 \times (22 \times 222 + 2)) \\
&:= 3 \times (3 \times (33 \times 33 - 3)) \\
&:= 4 + (((4/4 + 4^4) \times (44 - ((4+4)/4 + 4))) + 4) \\
&:= (5 - 5/5)^5 + 5 \times (5^5 - 5 \times 5 \times 55) \\
&:= 6 + (66 \times ((666+6)/6 + 6 \times 6)) \\
&:= 7 + (((7+7) \times 777) - 7777/7) \\
&:= 8 + ((88 \times 888/8) - ((8+8)/8)) \\
&:= 99 \times 99 - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9775 &:= ((1+1)^{1+1+1} \times (1 + 11 \times 111)) - 1 \\
&:= 2 + ((2 \times (22 \times 222 + 2)) + 2/2) \\
&:= 3/3 + (3 \times (3 \times (33 \times 33 - 3))) \\
&:= ((4 - 4/4)^4 + 4) \times (444/4 + 4) \\
&:= 5 \times (((5+5+5) \times (5 \times 5 \times 5 + 5)) + 5) \\
&:= (6 \times 6 - 66/6) \times ((6 \times 66 - 6) + 6/6) \\
&:= 7 + (777/7 \times (77/7 + 77)) \\
&:= 8 + ((88 \times 888/8) - 8/8) \\
&:= 9/9 + (99 \times 99 - (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9776 &:= (1+1)^{1+1+1} \times (1 + 11 \times 111) \\
&:= 2 \times ((22 \times 222 + 2) + 2) \\
&:= 3 + ((3 \times (3 \times (33 \times 33 - 3))) - 3/3) \\
&:= 4 \times (((4+4) \times (44 + 4^4)) + 44) \\
&:= (5/5 + 5)^5 + (5 \times 5 \times (5 \times 5 + 55)) \\
&:= ((6+6)/6) \times (((6+6)/6)^{6+6} + 66 \times (6+6)) \\
&:= (7/7 + 7) \times ((77 \times 777/7 + 7)/7) \\
&:= 8 + (88 \times 888/8) \\
&:= (9+9)/9 + (99 \times 99 - (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9777 &:= 1 + ((1+1)^{1+1+1} \times (1 + 11 \times 111)) \\
&:= 2/2 + (2 \times ((22 \times 222 + 2) + 2)) \\
&:= 3 + (3 \times (3 \times (33 \times 33 - 3))) \\
&:= 4/4 + (4 \times (((4+4) \times (44 + 4^4)) + 44)) \\
&:= (5/5 + 5)^5 + (((5+5)^{5-5/5} + 5)/5) \\
&:= (6^{6-6/6}) + ((6 \times 666 + 6) / ((6+6)/6)) \\
&:= 7 \times 7 + (((7+7)/7)^7 \times (77 - 7/7)) \\
&:= 8 + ((88 \times 888/8) + 8/8) \\
&:= 9 + (999/9 \times (99 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9778 &:= (11111 - 1 - 1 - 11^{1+1+1}) \\
&:= 2 + (2 \times ((22 \times 222 + 2) + 2)) \\
&:= 3 + ((3 \times (3 \times (33 \times 33 - 3))) + 3/3) \\
&:= ((44 - 4)/4)^4 - (444 / ((4+4)/4)) \\
&:= 5 + (((55+5)/5) \times (555 - 5/5)) + 5^5 \\
&:= (((66 - 6)/6)^{6-(6+6)/6}) - (6 \times 6 \times 6 + 6) \\
&:= 77 + ((77 \times (77 + 7 \times 7)) - 7/7) \\
&:= 8 + ((88 \times 888/8) + ((8+8)/8)) \\
&:= 99 \times 99 - (99 + 99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9779 &:= 11 \times (1 + (111 \times (1+1)^{1+1+1})) \\
&:= 22/2 + (2 \times 22 \times 222) \\
&:= 33/3 \times (((33 \times 3^3) - 3) + 3/3) \\
&:= 44/4 \times (((4+4) \times 444 + 4)/4) \\
&:= 55/5 \times (((5^5 - 55)/5) + 5 \times 55) \\
&:= 66666/6 - (6 \times (6 \times 6 \times 6 + 6)) \\
&:= 77 + (77 \times (77 + 7 \times 7)) \\
&:= 88/8 \times (888 + 8/8) \\
&:= 99/9 \times (9 \times 99 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9780 &:= 11111 - 11^{1+1+1} \\
&:= 2 \times (((22 \times 222 + 2) + 2) + 2) \\
&:= 3 + ((3 \times (3 \times (33 \times 33 - 3))) + 3) \\
&:= 4 \times (((4 - 4/4) + 4)^4) + 44 \\
&:= 5 + (5 \times (((5+5+5) \times (5 \times 5 \times 5 + 5)) + 5)) \\
&:= 6 + ((66 \times ((666+6)/6 + 6 \times 6)) + 6) \\
&:= 7/7 + ((77 \times (77 + 7 \times 7)) + 77) \\
&:= 8/8 + (88/8 \times (888 + 8/8)) \\
&:= 99 \times 99 - ((99+9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9781 &:= 1 + (11111 - 11^{1+1+1}) \\
&:= 2 + ((2 \times 22 \times 222) + 22/2) \\
&:= (3 \times ((3 \times 33 \times 33) - 3)) - 33/3 \\
&:= 4/4 + (4 \times (((4 - 4/4) + 4)^4) + 44) \\
&:= 5 + ((5 \times 5 \times (5 \times 5 + 55)) + (5/5 + 5)^5) \\
&:= 6 + ((6 \times 6 - 66/6) \times ((6 \times 66 - 6) + 6/6)) \\
&:= 77 + ((77 \times (77 + 7 \times 7)) + ((7+7)/7)) \\
&:= (8 \times (8 \times (8 \times 8 + 88) + 8)) - 88/8 \\
&:= 99 \times 99 - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9782 &:= 1 + (1 + (11111 - 11^{1+1+1})) \\
&:= 2 + (2 \times ((22 \times 222 + 2) + 2) + 2) \\
&:= 3 \times 3333 - ((3+3)^3 + 3/3) \\
&:= (4+4)/4 + (4 \times (((4 - 4/4) + 4)^4) + 44) \\
&:= 5 + (((5+5)^{5-5/5} + 5)/5) + (5/5 + 5)^5 \\
&:= (66 + 6/6) \times (((666 - 6)/6) + 6 \times 6) \\
&:= 7 + ((777/7 \times (77/7 + 77)) + 7) \\
&:= (88/8 \times (888 + ((8+8)/8))) - 8 \\
&:= 99 \times 99 - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9783 &:= 1 + (1 + (1 + (11111 - 11^{1+1+1}))) \\
&:= 22/2 + (2 \times (22 \times 222 + 2)) \\
&:= 3 \times (3 \times (33 \times 33 - 3)) + 3 \\
&:= 4 + (44/4 \times (((4+4) \times 444 + 4)/4)) \\
&:= 5^5 + ((555 \times ((55+5)/5)) - ((5+5)/5)) \\
&:= (66 \times ((6+6) \times (6+6) + 6)) - (666/6 + 6) \\
&:= 7 + ((7/7 + 7) \times ((77 \times 777/7 + 7)/7)) \\
&:= 8 + (((88 \times 888/8) - 8/8) + 8) \\
&:= 99 \times 99 - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9784 &:= (1+1)^{1+1+1} \times (1 + (1 + 11 \times 111)) \\
&:= 2 \times (22 \times 222 + 2 \times (2+2)) \\
&:= 3/3 + (3 \times ((3 \times (33 \times 33 - 3)) + 3)) \\
&:= 4 + (4 \times (((4-4/4) + 4)^4 + 44)) \\
&:= 5^5 + ((555 \times ((55+5)/5)) - 5/5) \\
&:= (((66-6)/6)^{6-(6+6)/6}) - 6 \times 6 \times 6 \\
&:= 7 + (((7+7)/7)^7 \times (77-7/7)) + 7 \times 7 \\
&:= 8 + ((88 \times 888/8) + 8) \\
&:= 9/9 + (99 \times 99 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9785 &:= 1 + ((1+1)^{1+1+1} \times (1 + (1 + 11 \times 111))) \\
&:= (((22/2)^2 - 22)^2) - 2^{2+2} \\
&:= 33/3 + (3 \times (3 \times (33 \times 33 - 3))) \\
&:= 4 + ((4 \times (((4-4/4) + 4)^4 + 44)) + 4/4) \\
&:= 5^5 + (555 \times ((55+5)/5)) \\
&:= 6666 + (((6-6/6)^{6-6/6}) - 6) \\
&:= 7 + (((77 \times (77+7 \times 7)) - 7/7) + 77) \\
&:= 8 + (((88 \times 888/8) + 8/8) + 8) \\
&:= (9+9)/9 + (99 \times 99 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9786 &:= (((1+1+1)^{11-1-1}) - 111)/(1+1) \\
&:= 22 + (2 \times (22 \times 222 - 2)) \\
&:= 3 + (3 \times ((3 \times (33 \times 33 - 3)) + 3)) \\
&:= ((44/((4+4)/4)) \times (444 + 4/4)) - 4 \\
&:= 5^5 + ((555 \times ((55+5)/5)) + 5/5) \\
&:= 66 + (6 \times 6 \times (666 - 6 \times 66)) \\
&:= 7 + ((77 \times (77+7 \times 7)) + 77) \\
&:= 8 + (((88 \times 888/8) + ((8+8)/8)) + 8) \\
&:= 99 \times 99 + (((9+9+9)/9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9787 &:= 1 + (((1+1+1)^{11-1-1}) - 111)/(1+1) \\
&:= 2 + (((22/2)^2 - 22)^2) - 2^{2+2} \\
&:= (3 \times (3 \times 33 \times 33)) - (33/3 + 3) \\
&:= 44 + (((44-4)/4)^4 - (4/4 + 4^4)) \\
&:= 5^5 + ((555 \times ((55+5)/5)) + ((5+5)/5)) \\
&:= 66 + ((6 \times 6 \times (666 - 6 \times 66)) + 6/6) \\
&:= ((7 \times (7+7) + 7/7)^{(7+7)/7}) - (7+7) \\
&:= 8 + (88/8 \times (888 + 8/8)) \\
&:= 99 \times 99 + (((9-99)/(9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9788 &:= ((11 \times (11 - 1 - 1))^{1+1}) - 1 - 1 - 11 \\
&:= 22 + ((2 \times 22 \times 222) - 2) \\
&:= (3 \times ((3 \times 33 \times 33) - 3)) - (3/3 + 3) \\
&:= 44 + (((44-4)/4)^4 - 4^4) \\
&:= (5 - 5/5) \times (((5-5^5) + 5)/5) - 55 + 5^5 \\
&:= 6 + ((66 + 6/6) \times (((666-6)/6) + 6 \times 6)) \\
&:= ((7+7) \times (777-77)) - (77+7)/7 \\
&:= 8 + ((88/8 \times (888 + 8/8)) + 8/8) \\
&:= 99 \times 99 - (99 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9789 &:= ((11 \times (11 - 1 - 1))^{1+1}) - 1 - 11 \\
&:= 22 + ((2 \times 22 \times 222) - 2/2) \\
&:= (3 \times ((3 \times 33 \times 33) - 3)) - 3 \\
&:= ((4/4 - 4^4) + 4) \times ((4/4 - 44) + 4) \\
&:= (55 \times (5 \times 5 \times 5 + 55)) - 555/5 \\
&:= (66 \times ((6+6) \times (6+6) + 6)) - 666/6 \\
&:= ((7+7) \times (777-77)) - 77/7 \\
&:= 8 + ((8 \times (8 \times (8 \times 8 + 88) + 8)) - (88/8)) \\
&:= 99 \times 99 - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9790 &:= ((11 \times (11 - 1 - 1))^{1+1}) - 11 \\
&:= 22 + (2 \times 22 \times 222) \\
&:= 33/3 \times ((33 \times 3^3) - 3/3) \\
&:= (44/((4+4)/4)) \times (444 + 4/4) \\
&:= 5 + ((555 \times ((55+5)/5)) + 5^5) \\
&:= 6 + (((66-6)/6)^{6-(6+6)/6}) - 6 \times 6 \times 6 \\
&:= 77 + ((77 \times (77+7 \times 7)) + (77/7)) \\
&:= 88/8 \times (888 + ((8+8)/8)) \\
&:= 99 \times 99 - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9791 &:= 1 + (((11 \times (11 - 1 - 1))^{1+1}) - 11) \\
&:= 22 + ((2 \times 22 \times 222) + 2/2) \\
&:= (3 \times ((3 \times 33 \times 33) - 3)) - 3/3 \\
&:= ((4 \times (4+4) + 4) \times (4 \times 4 + 4^4)) - 4/4 \\
&:= 5^5 + ((5/5 + 5) \times 5555/5) \\
&:= 6666 + ((6-6/6)^{6-6/6}) \\
&:= ((7+7) \times (777-77)) - ((7+7)/7 + 7) \\
&:= (8 \times (8 \times (8 \times 8 + 88) + 8)) - 8/8 \\
&:= 99 \times 99 - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9792 &:= 1 + (1 + (((11 \times (11 - 1 - 1))^{1+1}) - 11)) \\
&:= 2 + ((2 \times 22 \times 222) + 22) \\
&:= 3 \times ((3 \times 33 \times 33) - 3) \\
&:= (4 \times (4+4) + 4) \times (4 \times 4 + 4^4) \\
&:= (55/5 + 5) \times ((5^5 - (55+5+5))/5) \\
&:= (6+6) \times ((6+6) \times ((6+6)/6 + 66)) \\
&:= ((7+7) \times (777-77)) - (7/7 + 7) \\
&:= 8 \times (8 \times (8 \times 8 + 88) + 8) \\
&:= 99 \times 99 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9793 &:= 1 + (1 + (1 + (((11 \times (11 - 1 - 1))^{1+1}) - 11))) \\
&:= (((22/2)^2 - 22)^2) - 2 \times (2+2) \\
&:= 3/3 + (3 \times ((3 \times 33 \times 33) - 3)) \\
&:= 4/4 + ((4 \times (4+4) + 4) \times (4 \times 4 + 4^4)) \\
&:= ((5+5)/5 + 5) \times (5 \times (5 \times 55 + 5) - 5/5) \\
&:= 6/6 + ((6+6) \times ((6+6) \times ((6+6)/6 + 66))) \\
&:= ((7+7) \times (777-77)) - 7 \\
&:= 8/8 + (8 \times (8 \times (8 \times 8 + 88) + 8)) \\
&:= 9/9 + (99 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9794 &:= 1 + (1 + (1 + (1 + (((11 \times (11 - 1 - 1))^{1+1}) - 11)))) \\
&:= 22 + (2 \times (22 \times 222 + 2)) \\
&:= 3 + ((3 \times ((3 \times 33 \times 33) - 3)) - 3/3) \\
&:= 4 + ((44/((4+4)/4)) \times (444 + 4/4)) \\
&:= (55 - 5/5 + 5) \times (555/5 + 55) \\
&:= (6+6)/6 + ((6+6) \times ((6+6) \times ((6+6)/6 + 66))) \\
&:= ((7 \times (7+7) + 7/7)^{(7+7)/7}) - 7 \\
&:= (8+8)/8 + (8 \times (8 \times (8 \times 8 + 88) + 8)) \\
&:= (9+9)/9 + (99 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9795 &:= ((11 \times (11 - 1 - 1))^{1+1}) - ((1+1) \times (1+1+1)) \\
&:= (((22/2)^2 - 22)^2) - 2 - 2 - 2 \\
&:= 3 + (3 \times ((3 \times 33 \times 33) - 3)) \\
&:= 4^4 \times (44 - 4) - (444 + 4/4) \\
&:= (((5 \times 5 + 5) + 5) \times (5 \times 55 + 5)) - 5 \\
&:= (((666/6 - (6+6))^{(6+6)/6}) - 6) \\
&:= 7/7 + (((7 \times (7+7) + 7/7)^{(7+7)/7}) - 7) \\
&:= 8 + ((88/8 \times (888 + 8/8)) + 8) \\
&:= 99 \times 99 + (((9+9+9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9796 &:= ((11 \times (11 - 1 - 1))^{1+1}) - 1 - 1 - 1 - 1 - 1 \\
&:= 2 \times (((2 \times (22 + 2)) + 22)^2) - 2 \\
&:= 3 + ((3 \times ((3 \times 33 \times 33) - 3)) + 3/3) \\
&:= 4^4 \times (44 - 4) - 444 \\
&:= ((5 \times (5 \times 5 - 5) - 5/5)^{(5+5)/5}) - 5 \\
&:= 6/6 + (((666/6 - (6+6))^{(6+6)/6}) - 6) \\
&:= 7 + (((7+7) \times (777-77)) - (77/7)) \\
&:= 8 \times 8/(8+8) + (8 \times (8 \times (8 \times 8 + 88) + 8)) \\
&:= 99 \times 99 + ((9-99)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9797 &:= ((11 \times (11 - 1 - 1))^{1+1}) - 1 - 1 - 1 - 1 \\
&:= (((22/2)^2 - 22)^2) - 2 - 2 \\
&:= (3 \times (3 \times 33 \times 33)) - (3/3 + 3) \\
&:= 4/4 + (4^4 \times (44 - 4) - 444) \\
&:= 5^5 + ((5/5 + 5) \times (5555 + 5)/5) \\
&:= 6 + (((6-6/6)^{6-6/6}) + 6666) \\
&:= 77 + ((77/7 + 7) \times (7 \times 77 + 7/7)) \\
&:= 88 + ((88/8 + 8) \times (8 \times 8 \times 8 - 8/8)) \\
&:= 99 \times 99 + ((9-9 \times 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9798 &:= ((11 \times (11 - 1 - 1))^{1+1}) - 1 - 1 - 1 \\
&:= (2 \times (((2 \times (22 + 2)) + 22)^2)) - 2 \\
&:= (3 \times (3 \times 33 \times 33)) - 3 \\
&:= (4 + 4)/4 + (4^4 \times (44 - 4) - 444) \\
&:= (((5 \times 5 + 5) + 5) \times (5 \times 55 + 5)) - (5 + 5)/5 \\
&:= 6 + ((6 + 6) \times ((6 + 6) \times ((6 + 6)/6 + 66))) \\
&:= ((7 + 7) \times (777 - 77)) - (7 + 7)/7 \\
&:= 8 + (88/8 \times (888 + ((8 + 8)/8))) \\
&:= 99 \times 99 - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9799 &:= ((11 \times (11 - 1 - 1))^{1+1}) - 1 - 1 \\
&:= (((22/2)^2 - 22)^2) - 2 \\
&:= 3/3 + ((3 \times (3 \times 33 \times 33)) - 3) \\
&:= ((44 - 4) \times (4^4 - 44/4)) - 4/4 \\
&:= (((5 \times 5 + 5) + 5) \times (5 \times 55 + 5)) - 5/5 \\
&:= 6 + (((6 + 6) \times ((6 + 6) \times ((6 + 6)/6 + 66))) + 6/6) \\
&:= ((7 + 7) \times (777 - 77)) - 7/7 \\
&:= 8 + ((8 \times (8 \times (8 \times 8 + 88) + 8)) - 8/8) \\
&:= 99 \times 99 - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9800 &:= ((11 \times (11 - 1 - 1))^{1+1}) - 1 \\
&:= 2 \times (((2 \times (22 + 2)) + 22)^2) \\
&:= (3 \times (3 \times 33 \times 33)) - 3/3 \\
&:= (44 - 4) \times (4^4 - 44/4) \\
&:= ((5 \times 5 + 5) + 5) \times (5 \times 55 + 5) \\
&:= ((6 + 6)/6) \times (((6 + 6)/6)^6 + 6)^{(6+6)/6} \\
&:= (7 + 7) \times (777 - 77) \\
&:= 8 + (8 \times (8 \times (8 \times 8 + 88) + 8)) \\
&:= 99 \times 99 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9801 &:= (11 \times (11 - 1 - 1))^{1+1} \\
&:= ((22/2)^2 - 22)^2 \\
&:= 3 \times (3 \times 33 \times 33) \\
&:= 4/4 + ((44 - 4) \times (4^4 - 44/4)) \\
&:= (5 \times (5 \times 5 - 5) - 5/5)^{(5+5)/5} \\
&:= (666/6 - (6 + 6))^{(6+6)/6} \\
&:= (7 \times (7 + 7) + 7/7)^{(7+7)/7} \\
&:= (88/8 + 88)^{(8+8)/8} \\
&:= 99 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9802 &:= 1 + ((11 \times (11 - 1 - 1))^{1+1}) \\
&:= 2 + (2 \times (((2 \times (22 + 2)) + 22)^2)) \\
&:= 3/3 + (3 \times (3 \times 33 \times 33)) \\
&:= (4 + 4)/4 + ((44 - 4) \times (4^4 - 44/4)) \\
&:= 5/5 + ((5 \times (5 \times 5 - 5) - 5/5)^{(5+5)/5}) \\
&:= 6/6 + ((666/6 - (6 + 6))^{(6+6)/6}) \\
&:= 7/7 + ((7 \times (7 + 7) + 7/7)^{(7+7)/7}) \\
&:= 8/8 + ((88/8 + 88)^{(8+8)/8}) \\
&:= 9/9 + 99 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9803 &:= 1 + (1 + ((11 \times (11 - 1 - 1))^{1+1})) \\
&:= 2 + (((22/2)^2 - 22)^2) \\
&:= 3 + ((3 \times (3 \times 33 \times 33)) - 3/3) \\
&:= 4 + (((44 - 4) \times (4^4 - 44/4)) - 4/4) \\
&:= ((55/5 + 5) \times ((5^5 - (55 + 5))/5)) - 5 \\
&:= 6 + (((6 - 6/6)^{6-6/6} + 6666) + 6) \\
&:= (7 + 7)/7 + ((7 \times (7 + 7) + 7/7)^{(7+7)/7}) \\
&:= 88/8 + (8 \times (8 \times (8 \times 8 + 88) + 8)) \\
&:= (9 + 9)/9 + 99 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9804 &:= 1 + (1 + (1 + ((11 \times (11 - 1 - 1))^{1+1}))) \\
&:= 2 \times (((2 \times (22 + 2)) + 22)^2) + 2 \\
&:= 3 + (3 \times (3 \times 33 \times 33)) \\
&:= 4 + ((44 - 4) \times (4^4 - 44/4)) \\
&:= 5 + (((5 \times 5 + 5) + 5) \times (5 \times 55 + 5)) - 5/5 \\
&:= ((6 + 6)/6 + 6 \times 6) \times (6 \times (6 \times 6 + 6) + 6) \\
&:= (77 - 7/7) \times (((7 + 7)/7)^7 + 7/7) \\
&:= ((88 + 8)/8) + (8 \times (8 \times (8 \times 8 + 88) + 8)) \\
&:= 99 \times 99 + (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9805 &:= 1 + (1 + (1 + (1 + ((11 \times (11 - 1 - 1))^{1+1})))) \\
&:= 2 + (((22/2)^2 - 22)^2) + 2 \\
&:= 3 + ((3 \times (3 \times 33 \times 33)) + 3/3) \\
&:= 4 + (((44 - 4) \times (4^4 - 44/4)) + 4/4) \\
&:= 5 + (((5 \times 5 + 5) + 5) \times (5 \times 55 + 5)) \\
&:= 6/6 + (((6 + 6)/6 + 6 \times 6) \times (6 \times (6 \times 6 + 6) + 6)) \\
&:= 77 + (((7 + 7)/7)^7 \times (77 - 7/7)) \\
&:= 88 + ((8 \times 8 \times (8 \times 8 + 88)) - (88/8)) \\
&:= 99 \times 99 + ((9 \times 9 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9806 &:= 1 + (1 + (1 + (1 + (1 + ((11 \times (11 - 1 - 1))^{1+1})))))) \\
&:= 2 + (2 \times (((2 \times (22 + 2)) + 22)^2) + 2) \\
&:= 3 + (((3 \times (3 \times 33 \times 33)) - 3/3) + 3) \\
&:= 4 + (((44 - 4) \times (4^4 - 44/4)) + (4 + 4)/4) \\
&:= 5 + ((5 \times (5 \times 5 - 5) - 5/5)^{(5+5)/5}) \\
&:= 6 + (((6 + 6)/6) \times (((6 + 6)/6)^6 + 6)^{(6+6)/6}) \\
&:= 7 + (((7 + 7) \times (777 - 77)) - 7/7) \\
&:= 8 + ((88/8 \times (888 + ((8 + 8)/8))) + 8) \\
&:= 99 \times 99 + ((9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9807 &:= (1 + 1 + 1) \times ((1 + 1)^{11} + 11 \times 111) \\
&:= 2 + (((22/2)^2 - 22)^2) + 2 + 2 \\
&:= 3 + ((3 \times (3 \times 33 \times 33)) + 3) \\
&:= 44/4 + (4^4 \times (44 - 4) - 444) \\
&:= ((5 + 5)/5 + 5) \times (5 \times (5 \times 55 + 5) + 5/5) \\
&:= 6 + ((666/6 - (6 + 6))^{(6+6)/6}) \\
&:= 7 + ((7 + 7) \times (777 - 77)) \\
&:= (8 - 8/8) \times ((88 \times (8 + 8) - 8) + 8/8) \\
&:= 9 + (99 \times 99 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9808 &:= 1 + ((1 + 1 + 1) \times ((1 + 1)^{11} + 11 \times 111)) \\
&:= 2 \times ((22 \times 222 - 2) + 22) \\
&:= 3 + (((3 \times (3 \times 33 \times 33)) + 3/3) + 3) \\
&:= 4 \times (4 \times (((4/4 + 4)^4 - 4 \times 4) + 4)) \\
&:= (55/5 + 5) \times ((5^5 - (55 + 5))/5) \\
&:= 6 + (((666/6 - (6 + 6))^{(6+6)/6} + 6/6)) \\
&:= 7 + ((7 \times (7 + 7) + 7/7)^{(7+7)/7}) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 + 88) + 8)) + 8) \\
&:= 9 + (99 \times 99 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9809 &:= 11 + (((11 \times (11 - 1 - 1))^{1+1}) - (1 + 1 + 1)) \\
&:= 2 \times (2 + 2) + (((22/2)^2 - 22)^2) \\
&:= (3 \times ((3 \times 33 \times 33) + 3)) - 3/3 \\
&:= 4/4 + (4 \times (4 \times (((4/4 + 4)^4 - 4 \times 4) + 4))) \\
&:= 5 + (((5 \times 5 + 5) + 5) \times (5 \times 55 + 5)) - 5/5 + 5) \\
&:= 66666/6 - (6 \times 6 \times 6 \times 6 + 6) \\
&:= 7 + (((7 \times (7 + 7) + 7/7)^{(7+7)/7}) + 7/7) \\
&:= 8 + ((88/8 + 88)^{(8+8)/8}) \\
&:= 9 + (99 \times 99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9810 &:= 11 + (((11 \times (11 - 1 - 1))^{1+1}) - (1 + 1)) \\
&:= (22 \times (2 \times 222 + 2)) - 2 \\
&:= 3 \times ((3 \times 33 \times 33) + 3) \\
&:= (44 - 4)/4 \times ((4 \times 4^4 - 44) + 4/4) \\
&:= 5 + (((5 \times 5 + 5) + 5) \times (5 \times 55 + 5)) + 5) \\
&:= (6 - 6 \times 6) \times (6 - 666 \times 6/(6 + 6)) \\
&:= (77/7 + 7) \times ((7 \times 77 - 7/7) + 7) \\
&:= 8 + (((88/8 + 88)^{(8+8)/8}) + 8/8) \\
&:= 9 + 99 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9811 &:= 11 + (((11 \times (11 - 1 - 1))^{1+1}) - 1) \\
&:= (22 \times (2 \times 222 + 2)) - 2/2 \\
&:= 3/3 + (3 \times ((3 \times 33 \times 33) + 3)) \\
&:= 44/4 + ((44 - 4) \times (4^4 - 44/4)) \\
&:= 5 + (((5 \times (5 \times 5 - 5) - 5/5)^{(5+5)/5}) + 5) \\
&:= 6/6 + (((6 - 6 \times 6) \times (6 - 666 \times 6/(6 + 6)))) \\
&:= 77/7 + ((7 + 7) \times (777 - 77)) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 + 88) + 8)) + (88/8)) \\
&:= 9 + (99 \times 99 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9812 &:= 11 + ((11 \times (11 - 1 - 1))^{1+1}) \\
&:= 22 \times (2 \times 222 + 2) \\
&:= 33/3 + (3 \times (3 \times 33 \times 33)) \\
&:= 44 \times ((44/4 - 44) + 4^4) \\
&:= 5 + (((5 + 5)/5 + 5) \times (5 \times (5 \times 55 + 5) + 5/5)) \\
&:= 66/6 + ((666/6 - (6 + 6))^{(6+6)/6}) \\
&:= 7 + (((7 + 7)/7)^7 \times (77 - 7/7)) + 77) \\
&:= 88/8 \times (8 \times 8/(8 + 8) + 888) \\
&:= 99/9 + 99 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9813 &:= 1 + (11 + ((11 \times (11 - 1 - 1))^{1+1})) \\
&:= 2/2 + (22 \times (2 \times 222 + 2)) \\
&:= 3 + (3 \times ((3 \times 33 \times 33) + 3)) \\
&:= 4/4 + (44 \times ((44/4 - 44) + 4^4)) \\
&:= 5 + ((55/5 + 5) \times ((5^5 - (55 + 5))/5)) \\
&:= 6 + (((666/6 - (6 + 6))^{6+6/6}) + 6) \\
&:= 777/7 + (77 \times (77 + 7 \times 7)) \\
&:= 8 \times 8 + ((88/8 \times (888 - 8/8)) - 8) \\
&:= 99 \times 99 + (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9818 &:= 11 + ((1 + 1 + 1) \times ((1 + 1)^{11} + 11 \times 111)) \\
&:= 2 + (((22 \times (2 \times 222 + 2)) + 2) + 2) \\
&:= (3 \times ((3 \times 33 \times 33) + 3) + 3) - 3/3 \\
&:= (4 + 4)/4 \times (((4 \times 4 + 4/4)^{4-4/4}) - 4) \\
&:= 5 + (((55/5 + 5) \times ((5^5 - (55 + 5))/5)) + 5) \\
&:= (6^{6-6/6}) + (((6 + 6)/6)^{66/6}) - 6) \\
&:= 7 + (((7 + 7) \times (777 - 77)) + (77/7)) \\
&:= 88 + ((8 \times 8 \times (8 \times 8 + 88)) + ((8 + 8)/8)) \\
&:= 9 + ((99 \times 99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9823 &:= 11 + (11 + ((11 \times (11 - 1 - 1))^{1+1})) \\
&:= 22 + (((22/2)^2 - 22)^2) \\
&:= 33/3 \times (((33 \times 3^3) - 3/3) + 3) \\
&:= ((44 - 4)/4)^4 - (4 \times 44 + 4/4) \\
&:= ((55/5 + 5) \times ((5^5 - 55)/5)) - 5/5 \\
&:= (6666/6) + 66 \times (66 + 66) \\
&:= 77/7 \times (7 \times (77 + 7 \times 7) + (77/7)) \\
&:= 8 + (((8 \times 8 \times (8 \times 8 + 88)) - 8/8) + 88) \\
&:= 99/9 \times (((9 + 9)/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9814 &:= 1 + (1 + (11 + ((11 \times (11 - 1 - 1))^{1+1}))) \\
&:= 2 + (22 \times (2 \times 222 + 2)) \\
&:= 3 + ((3 \times ((3 \times 33 \times 33) + 3)) + 3/3) \\
&:= 4 + ((44 - 4)/4 \times ((4 \times 4^4 - 44) + 4/4)) \\
&:= ((55/5 + 5) \times ((5^5 - 55)/5)) - 5 - 5 \\
&:= ((6 + 6)/6) \times (((66/6 + 6)^{6 \times 6/(6+6)}) - 6) \\
&:= 7 + (((7 + 7) \times (777 - 77)) + 7) \\
&:= 88 + ((8 \times 8 \times (8 \times 8 + 88)) - ((8 + 8)/8)) \\
&:= 99 \times 99 + ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9819 &:= (11 - 1 - 1) \times (1 + (1 + (11 \times (1 + 1 + 1))^{1+1})) \\
&:= 2 + (((22/2)^2 - 22)^2) + 2^{2+2} \\
&:= 3 \times (((3 \times 33 \times 33) + 3) + 3) \\
&:= 444 + ((44/4 + 4) \times (4/4 + 4)^4) \\
&:= ((55/5 + 5) \times ((5^5 - 55)/5)) - 5 \\
&:= 6 + (((666/6 - (6 + 6))^{6+6/6}) + 6) + 6) \\
&:= (7 \times (7 \times ((7 + 7) \times (7 + 7) + 7))) - ((7 + 7)/7)^7 \\
&:= 8 + (((8 \times (8 \times (8 \times 8 + 88) + 8)) + (88/8)) + 8) \\
&:= 9 + (99 \times 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9824 &:= 1 + (11 + (11 + ((11 \times (11 - 1 - 1))^{1+1}))) \\
&:= 2 \times ((22 \times (222 + 2)) - 2^{2+2}) \\
&:= (3 \times (3 \times (33 \times 33 + 3))) - (3/3 + 3) \\
&:= 4 \times ((4 \times (4/4 + 4)^4) - 44) \\
&:= (55/5 + 5) \times ((5^5 - 55)/5) \\
&:= (6^{6-6/6}) + (((6 + 6)/6)^{66/6}) \\
&:= (7/7 + 7) \times (77/7 \times 777/7 + 7) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 + 88)) + 88) \\
&:= 99 \times 99 + (99 + 99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9815 &:= 1 + (1 + (1 + (11 + ((11 \times (11 - 1 - 1))^{1+1})))) \\
&:= 2 + ((22 \times (2 \times 222 + 2)) + 2/2) \\
&:= 3 + ((3 \times (3 \times 33 \times 33)) + 33/3) \\
&:= (4^4 + 4)/4 \times ((444/4 - 4) + 44) \\
&:= (55 + 5 + 5) \times (5 \times (5 \times 5 + 5) + 5/5) \\
&:= 66666/6 - 6 \times 6 \times 6 \times 6 \\
&:= 7 + (((7 \times (7 + 7) + 7/7)^{(7+7)/7}) + 7) \\
&:= 88 + ((8 \times 8 \times (8 \times 8 + 88)) - 8/8) \\
&:= 9 + (((9 \times 9 + 9)/(9 + 9)) + 99 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9820 &:= (11 - 1) \times (1 + ((11 - 1 - 1) \times (111 - 1 - 1))) \\
&:= 2 \times (((22 \times 222 + 22) + 2) + 2) \\
&:= 3/3 + (3 \times ((3 \times 33 \times 33) + 3) + 3) \\
&:= ((44 - 4)/4)^4 - (4 \times 44 + 4) \\
&:= 5^5 + ((5 \times 5 \times (5 \times 55 - 5)) - 55) \\
&:= (6 \times (6 - 6 \times 6)) + (((66 - 6)/6)^{6-(6+6)/6}) \\
&:= 7 + ((77 \times (77 + 7 \times 7)) + 777/7) \\
&:= 8 + (88/8 \times (8 \times 8/(8 + 8) + 888)) \\
&:= 9 + ((99 \times 99 + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9825 &:= ((1 + 1) \times (1 + 11)) + ((11 \times (11 - 1 - 1))^{1+1}) \\
&:= 2 + (((22/2)^2 - 22)^2) + 22) \\
&:= (3 \times (3 \times (33 \times 33 + 3))) - 3 \\
&:= 4/4 + (4 \times ((4 \times (4/4 + 4)^4) - 44)) \\
&:= (5 + 5 + 5) \times ((5^5/5 + 5 \times 5) + 5) \\
&:= 6/6 + (((6 + 6)/6)^{66/6}) + (6^{6-6/6}) \\
&:= 7777 + (((7 + 7)/7)^{77/7}) \\
&:= 8 + (((88/8 + 88)^{(8+8)/8}) + 8) + 8) \\
&:= 9 + (((99 \times 99 - ((9 + 9 + 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9816 &:= (1 + 1) \times ((1 + 1) \times (1 + (11 \times (1 + (1 + 1) \times 111)))) \\
&:= 2 + ((22 \times (2 \times 222 + 2)) + 2) \\
&:= 3 + ((3 \times ((3 \times 33 \times 33) + 3)) + 3) \\
&:= 4 + (44 \times ((44/4 - 44) + 4^4)) \\
&:= 5 + (((5 \times (5 \times 5 - 5) - 5/5)^{(5+5)/5}) + 5) + 5) \\
&:= 6 + ((6 - 6 \times 6) \times (6 - 666 \times 6/(6 + 6))) \\
&:= 7 + (((7 \times (7 + 7) + 7/7)^{(7+7)/7}) + 7/7) + 7) \\
&:= 88 + (8 \times 8 \times (8 \times 8 + 88)) \\
&:= 9 + ((99 \times 99 - ((9 + 9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9821 &:= ((1 + 1) \times (11 - 1)) + ((11 \times (11 - 1 - 1))^{1+1}) \\
&:= 22 + (((22/2)^2 - 22)^2) - 2) \\
&:= 33/3 + (3 \times ((3 \times 33 \times 33) + 3)) \\
&:= 4/4 + (((44 - 4)/4)^4 - (4 \times 44 + 4)) \\
&:= 5^5 + ((5/5 + 5) \times (5555/5 + 5)) \\
&:= 6 + (66666/6 - 6 \times 6 \times 6 \times 6) \\
&:= ((77 + 7 \times 7) \times (7/7 + 77)) - 7 \\
&:= 8 \times 8 + (88/8 \times (888 - 8/8)) \\
&:= 9 + (99 \times 99 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9826 &:= (1 + 1) \times ((1 + (1 + 1)^{1+1+1+1})^{1+1+1}) \\
&:= 2 \times ((2^{2+2} + 2/2)^{2/2+2}) \\
&:= (3 - 3/3) \times (33/3 + 3 + 3)^3 \\
&:= (4 + 4)/4 \times ((4 \times 4 + 4/4)^{4-4/4}) \\
&:= 5 \times 5 + ((5 \times (5 \times 5 - 5) - 5/5)^{(5+5)/5}) \\
&:= ((6 + 6)/6) \times (((66/6 + 6)^{6 \times 6/(6+6)}) \\
&:= 7 \times (7 + 7) + (((7 + 7)/7)^7 \times (77 - 7/7)) \\
&:= ((8 + 8)/8) \times ((8/8 + 8 + 8)^{88/8-8}) \\
&:= 9 + (((99 \times 99 - ((9 + 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9817 &:= 1 + ((1 + 1) \times ((1 + 1) \times (1 + (11 \times (1 + (1 + 1) \times 111)))) \\
&:= 2^{2+2} + (((22/2)^2 - 22)^2) \\
&:= (3 \times (3 \times (33 \times 33 + 3))) - 33/3 \\
&:= ((4^4 - 4) \times (44 - (4/4 + 4))) - 44/4 \\
&:= 5 + (((5 + 5)/5 + 5) \times (5 \times (5 \times 55 + 5) + 5/5)) + 5) \\
&:= (6666/6) + (66 \times (66 + 66) - 6) \\
&:= 7 + ((77/7 + 7) \times ((7 \times 77 - 7/7) + 7)) \\
&:= 8 + (((88/8 + 88)^{(8+8)/8}) + 8) \\
&:= 9 + ((99 \times 99 - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9822 &:= 11 + (11 + (((11 \times (11 - 1 - 1))^{1+1}) - 1)) \\
&:= 2 \times (((2^{2+2} + 2/2)^{2/2+2}) - 2) \\
&:= 3 + (3 \times (((3 \times 33 \times 33) + 3) + 3)) \\
&:= ((44 - 4)/4)^4 - (4 \times 44 + (4 + 4)/4) \\
&:= 5^5 + ((5/5 + 5)^5 - ((5 - 5/5)^5 + 55)) \\
&:= ((6 \times 6 + 6) \times ((6 \times 6 \times 6 + 6 + 6) + 6)) - 6) \\
&:= 7 + (((7 \times (7 + 7) + 7/7)^{(7+7)/7}) + 7) + 7) \\
&:= 8 + (((8 \times 8 \times (8 \times 8 + 88)) - ((8 + 8)/8)) + 88) \\
&:= 9 + (99 \times 99 + (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9827 &:= 1 + ((1 + 1) \times ((1 + (1 + 1)^{1+1+1+1})^{1+1+1})) \\
&:= 2 + (((22/2)^2 - 22)^2) + 22) + 2) \\
&:= (3 \times (3 \times (33 \times 33 + 3))) - 3/3 \\
&:= ((4^4 - 4) \times (44 - (4/4 + 4))) - 4/4 \\
&:= ((5 \times 5 + 5/5) + 5) \times ((5^5 - 5)/(5 + 5) + 5) \\
&:= ((6 \times 6 + 6) \times ((6 \times 6 \times 6 + 6 + 6) + 6)) - 6/6 \\
&:= ((77 + 7 \times 7) \times (7/7 + 77)) - 7/7 \\
&:= 88 + ((8 \times 8 \times (8 \times 8 + 88)) + (88/8)) \\
&:= 9 + (((99 \times 99 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9828 &:= (1+1) \times (1 + ((1+(1+1)^{1+1+1})^{1+1+1})) \\
&:= 2 + (2 \times ((2^{2+2} + 2/2)^{2/2+2})) \\
&:= 3 \times (3 \times (33 \times 33 + 3)) \\
&:= (4^4 - 4) \times (44 - (4/4 + 4)) \\
&:= (55/5 + 5 \times 5) \times (5 \times 55 - ((5+5)/5)) \\
&:= (6 \times 6 + 6) \times ((6 \times 6 \times 6 + 6 + 6) + 6) \\
&:= (77 + 7 \times 7) \times (7/7 + 77) \\
&:= (8 - 8/8) \times (88 \times (8 + 8) - 8 \times 8/(8 + 8)) \\
&:= 9 + ((99 \times 99 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9829 &:= (((1+1+1)^{11-1-1} - 1)/(1+1)) - 1 - 11 \\
&:= 2 + (((((22/2)^2 - 22)^2) + 22) + 2) + 2 \\
&:= 3/3 + (3 \times (3 \times (33 \times 33 + 3))) \\
&:= 4/4 + ((4^4 - 4) \times (44 - (4/4 + 4))) \\
&:= 5 + ((55/5 + 5) \times ((5^5 - 55)/5)) \\
&:= 6/6 + ((6 \times 6 + 6) \times ((6 \times 6 \times 6 + 6 + 6) + 6)) \\
&:= 7/7 + ((77 + 7 \times 7) \times (7/7 + 77)) \\
&:= 8 + ((88/8 \times (888 - 8/8)) + 8 \times 8) \\
&:= 9 + (((99 \times 99 + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9830 &:= (((1+1+1)^{11-1-1} - 1)/(1+1)) - 11 \\
&:= 2 \times (((2^{2+2} + 2/2)^{2/2+2}) + 2) \\
&:= 3 + ((3 \times (3 \times (33 \times 33 + 3))) - 3/3) \\
&:= 4 + ((4+4)/4 \times ((4 \times 4 + 4/4)^{4-4/4})) \\
&:= 5 + ((5+5+5) \times ((5^5/5 + 5 \times 5) + 5)) \\
&:= 6 + (((6+6)/6)^{66/6} + (6^{6-6/6})) \\
&:= ((7+7)/7)^7 + (77 \times (77 + 7 \times 7)) \\
&:= 8 \times 8 + ((88 \times 888/8) - ((8+8)/8)) \\
&:= 9 + ((99 \times 99 + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9831 &:= ((1 + ((1+1+1)^{11-1-1}))/ (1+1)) - 11 \\
&:= 222/2 + ((22 - 2) \times (22^2 + 2)) \\
&:= 3 + (3 \times (3 \times (33 \times 33 + 3))) \\
&:= 4 + (((4^4 - 4) \times (44 - (4/4 + 4))) - 4/4) \\
&:= 5 + (((5+5+5) \times ((5^5/5 + 5 \times 5) + 5)) + 5/5) \\
&:= 6 \times 6 + (((666/6 - (6+6))^{(6+6)/6}) - 6) \\
&:= ((7+7+7)/7)^7 + ((7+7) \times (7 \times 77 + 7)) \\
&:= 8 \times 8 + ((88 \times 888/8) - 8/8) \\
&:= 9 + ((99 \times 99 + (99+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9832 &:= ((111 - 1 - 1)^{1+1}) - (1 + (1+1)^{11}) \\
&:= 2 \times (22 \times 222 + 2 \times 2^{2+2}) \\
&:= 3 + ((3 \times (3 \times (33 \times 33 + 3))) + 3/3) \\
&:= 4 + ((4^4 - 4) \times (44 - (4/4 + 4))) \\
&:= 5 + (((5 \times 5 + 5/5) + 5) \times ((5^5 - 5)/(5+5) + 5)) \\
&:= 6 + (((6+6)/6) \times ((66/6 + 6)^{6 \times 6/(6+6)})) \\
&:= 7 + (((7+7)/7)^{77/7} + 7777) \\
&:= 8 \times 8 + (88 \times 888/8) \\
&:= 9 + (((99+99)/9) + 99 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9833 &:= (((111 - 1 - 1)^{1+1}) - (1+1)^{11}) \\
&:= 22 + ((22 \times (2 \times 222 + 2)) - 2/2) \\
&:= 33 + ((3 \times (3 \times 33 \times 33)) - 3/3) \\
&:= 4 + (((4^4 - 4) \times (44 - (4/4 + 4))) + 4/4) \\
&:= 5 + ((55/5 + 5 \times 5) \times (5 \times 55 - ((5+5)/5))) \\
&:= (66 \times ((6+6) \times (6+6) + 6)) - (66+6/6) \\
&:= ((7 \times 7 - 7/7) \times (((7+7)/7)^7 + 77)) - 7 \\
&:= 8/8 + ((88 \times 888/8) + 8 \times 8) \\
&:= 9 + ((99+99+9)/9 + 99 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9834 &:= 1 + (((111 - 1 - 1)^{1+1}) - (1+1)^{11}) \\
&:= 22 + (22 \times (2 \times 222 + 2)) \\
&:= 33 + (3 \times (3 \times 33 \times 33)) \\
&:= (4+4)/4 \times (((4 \times 4 + 4/4)^{4-4/4}) + 4) \\
&:= 5 + (((55/5 + 5) \times ((5^5 - 55)/5)) + 5) \\
&:= 66 \times (((6+6) \times (6+6) - 6/6) + 6) \\
&:= 7 + (((77 + 7 \times 7) \times (7/7 + 77)) - 7/7) \\
&:= 88/8 \times ((888 - ((8+8)/8)) + 8) \\
&:= 99/9 \times (((9+9+9)/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9835 &:= (((1+1+1)^{11-1-1} - 11)/(1+1)) - 1 \\
&:= 22 + ((22 \times (2 \times 222 + 2)) + 2/2) \\
&:= 3/3 + ((3 \times (3 \times 33 \times 33)) + 33) \\
&:= 44/4 + (4 \times ((4 \times (4/4 + 4)^4) - 44)) \\
&:= 5^5 + (55 \times ((555 + 55)/5)) \\
&:= 6/6 + (66 \times (((6+6) \times (6+6) - 6/6) + 6)) \\
&:= 7 + ((77 + 7 \times 7) \times (7/7 + 77)) \\
&:= 8 \times 8 + ((88/8 \times (888 + 8/8)) - 8) \\
&:= 9999 - (((9+9)/9) + 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9836 &:= (((1+1+1)^{11-1-1} - 11)/(1+1)) \\
&:= 2 + ((22 \times (2 \times 222 + 2)) + 22) \\
&:= (3 \times ((3 \times (33 \times 33 + 3)) + 3)) - 3/3 \\
&:= 4 + (((4^4 - 4) \times (44 - (4/4 + 4))) + 4) \\
&:= 5^5 + ((55 \times ((555 + 55)/5)) + 5/5) \\
&:= (66 \times ((6+6) \times (6+6) + 6)) - ((6+6)/6)^6 \\
&:= 7 + (((77 + 7 \times 7) \times (7/7 + 77)) + 7/7) \\
&:= 8 + ((8 - 8/8) \times (88 \times (8+8) - 8 \times 8/(8+8))) \\
&:= 9999 - (9 \times (9+9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9837 &:= 1 + (((1+1+1)^{11-1-1} - 11)/(1+1)) \\
&:= (2+2+2)^2 + (((22/2)^2 - 22)^2) \\
&:= 3 \times ((3 \times (33 \times 33 + 3)) + 3) \\
&:= (4/4 + 4)^4 + ((4^4 \times (4 \times (4+4) + 4)) - 4) \\
&:= 5 + (((5 \times 5 + 5/5) + 5) \times ((5^5 - 5)/(5+5) + 5)) + 5 \\
&:= 6 \times 6 + (((666/6 - (6+6))^{(6+6)/6}) \\
&:= 7 + ((77 \times (77 + 7 \times 7)) + ((7+7)/7)^7) \\
&:= (88/8 \times (888 - 8/8 + 8)) - 8 \\
&:= 9999 - 9 \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9838 &:= 1 + (1 + (((1+1+1)^{11-1-1} - 11)/(1+1))) \\
&:= (2 \times ((22 \times (222 + 2)) + 2)) - 22 \\
&:= 3/3 + (3 \times ((3 \times (33 \times 33 + 3)) + 3)) \\
&:= 4 + ((4+4)/4 \times (((4 \times 4 + 4/4)^{4-4/4}) + 4)) \\
&:= (5+5)/5 \times (5555 - ((55+5^5)/5)) \\
&:= ((6+6)/6) \times (((66/6 + 6)^{6 \times 6/(6+6)}) + 6) \\
&:= (77 \times ((7+7)/7)^7) - (77/7 + 7) \\
&:= ((8+8)/8) \times (88 \times (8 \times 8 - 8) - (8/8 + 8)) \\
&:= 9/9 + (9999 - 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9839 &:= (((1+1+1)^{11-1-1} - 1)/(1+1)) - 1 - 1 \\
&:= ((22 - 2) \times (2 \times (2+2) + 22^2)) - 2/2 \\
&:= 33/3 + (3 \times (3 \times (33 \times 33 + 3))) \\
&:= 44/4 + ((4^4 - 4) \times (44 - (4/4 + 4))) \\
&:= ((55/5 + 5) \times (5^5/5 - (5+5))) - 5/5 \\
&:= 6 + ((66 \times ((6+6) \times (6+6) + 6)) - (66+6/6)) \\
&:= 77/7 + ((77 + 7 \times 7) \times (7/7 + 77)) \\
&:= 888/8 + (8 \times 8 \times (8 \times 8 + 88)) \\
&:= 9 + (((99 \times 99 + (99/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9840 &:= (((1+1+1)^{11-1-1} - 1)/(1+1)) - 1 \\
&:= (22 - 2) \times (2 \times (2+2) + 22^2) \\
&:= 3 + (3 \times ((3 \times (33 \times 33 + 3)) + 3)) \\
&:= 4 \times (((4 \times (4/4 + 4)^4) - 44) + 4) \\
&:= (55/5 + 5) \times (5^5/5 - (5+5)) \\
&:= 6 + (66 \times (((6+6) \times (6+6) - 6/6) + 6)) \\
&:= (7 \times 7 - 7/7) \times (((7+7)/7)^7 + 77) \\
&:= 8 + ((88 \times 888/8) + 8 \times 8) \\
&:= (9/9 + 9 \times 9) \times (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9841 &:= (((1+1+1)^{11-1-1} - 1)/(1+1)) \\
&:= 2/2 + ((22 - 2) \times (2 \times (2+2) + 22^2)) \\
&:= 3 + ((3 \times ((3 \times (33 \times 33 + 3)) + 3)) + 3/3) \\
&:= (4/4 + 4)^4 + (4^4 \times (4 \times (4+4) + 4)) \\
&:= 5/5 + ((55/5 + 5) \times (5^5/5 - (5+5))) \\
&:= 6 + ((66 \times (((6+6) \times (6+6) - 6/6) + 6)) + 6/6) \\
&:= (77 \times ((7+7)/7)^7) - (7/7 + 7 + 7) \\
&:= ((8 - 8/8) \times (88 \times (8+8) - 8/8)) - 8 \\
&:= 99 \times 99 + ((9 \times 9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9842 &:= (1 + ((1+1+1)^{11-1-1}))/ (1+1) \\
&:= 2 + ((22 - 2) \times (2 \times (2+2) + 22^2)) \\
&:= 3 + ((3 \times (3 \times (33 \times 33 + 3))) + 33/3) \\
&:= ((44 - 4)/4 + 4) \times 4 \times 4 \times 44 - 4/4 \\
&:= (5+5)/5 + ((55/5 + 5) \times (5^5/5 - (5+5))) \\
&:= 6 + ((66 \times ((6+6) \times (6+6) + 6)) - ((6+6)/6)^6) \\
&:= (77 \times ((7+7)/7)^7) - (7+7) \\
&:= (8 - 8/8) \times (88 \times (8+8) - ((8+8)/8)) \\
&:= 99 \times 99 + ((9 \times 9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9843 &:= 1 + ((1 + ((1 + 1 + 1)^{11-1-1}))/ (1 + 1)) \\
&:= 2 \times 22 + (((22/2)^2 - 22)^2) - 2 \\
&:= 33 + (3 \times ((3 \times 33 \times 33) + 3)) \\
&:= 4^4 + ((4 \times (((4 - 4/4) + 4)^4) - 4) - 4/4) \\
&:= 5^5 + ((5 \times 5 \times (5 \times 55 - 5)) - ((5 + 5)/5)^5) \\
&:= ((66 + 6/6) \times (666/6 + 6 \times 6)) - 6 \\
&:= 7/7 + ((77 \times ((7 + 7)/7)^7) - (7 + 7)) \\
&:= 8 \times 8 + (88/8 \times (888 + 8/8)) \\
&:= 9 + ((99/(9 + 9 + 9)/9) + 99 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9844 &:= 1 + (1 + ((1 + ((1 + 1 + 1)^{11-1-1}))/ (1 + 1))) \\
&:= 2 \times (((2 \times (22 + 2)) + 22)^2) + 22 \\
&:= 3/3 + ((3 \times ((3 \times 33 \times 33) + 3)) + 33) \\
&:= 4^4 + (4 \times (((4 - 4/4) + 4)^4) - 4) \\
&:= ((5 + 5)^{5-5/5}) + ((5^5 - 5)/(5 - 5 \times 5)) \\
&:= (((66 - 6)/6) + 6 \times 6) \times (6 \times 6 \times 6 - (6 + 6)/6) \\
&:= (77 \times ((7 + 7)/7)^7) - (77 + 7)/7 \\
&:= (88 \times ((88 + 8 + 8) + 8)) - (88 + 8)/8 \\
&:= ((99/9) + 9 \times 9) \times ((99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9845 &:= 11 \times (((1 + 111) \times (1 + 1)^{1+1+1}) - 1) \\
&:= 2 \times 22 + (((22/2)^2 - 22)^2) \\
&:= 33/3 \times (((33 \times 3^3) + 3/3) + 3) \\
&:= (44 \times (4^4 - 4 \times (4 + 4))) - 44/4 \\
&:= 55 \times ((5 \times 5 \times 5 - 5/5) + 55) \\
&:= (6 - 6/6) \times (66 \times (6 \times 6 - 6) - (66/6)) \\
&:= (77 \times ((7 + 7)/7)^7) - 77/7 \\
&:= 88/8 \times (888 - 8/8 + 8) \\
&:= 9 + (9999 - 9 \times (9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9846 &:= ((11 + ((1 + 1 + 1)^{11-1-1}))/ (1 + 1)) - 1 \\
&:= (2 \times ((22 \times (222 + 2)) - (2 + 2))) - 2 \\
&:= 3 \times (((3 \times (33 \times 33 + 3)) + 3) + 3) \\
&:= (4 - 44)/4 + (44 \times (4^4 - 4 \times (4 + 4))) \\
&:= 5/5 + (55 \times ((5 \times 5 \times 5 - 5/5) + 55)) \\
&:= 6 + ((66 \times (((6 + 6) \times (6 + 6) - 6/6) + 6)) + 6) \\
&:= ((7 - 77)/7) + (77 \times ((7 + 7)/7)^7) \\
&:= 8/8 + (88/8 \times (888 - 8/8 + 8)) \\
&:= 9 + (9999 - 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9847 &:= (11 + ((1 + 1 + 1)^{11-1-1}))/ (1 + 1) \\
&:= 2 + (((22/2)^2 - 22)^2) + 2 \times 22 \\
&:= 3/3 + (3 \times (((3 \times (33 \times 33 + 3)) + 3) + 3)) \\
&:= (44 - 4/4) \times (4^4 - (44/4 + 4 \times 4)) \\
&:= (5 + 5)/5 + (55 \times ((5 \times 5 \times 5 - 5/5) + 55)) \\
&:= (6 \times 6 + 6/6 + 6) \times ((6 \times 6 \times 6 + 6/6 + 6) + 6) \\
&:= (77 \times ((7 + 7)/7)^7) - ((7 + 7)/7 + 7) \\
&:= (88 \times ((88 + 8 + 8) + 8)) - (8/8 + 8) \\
&:= 9 + (9999 - 9 \times (9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9848 &:= 1 + ((11 + ((1 + 1 + 1)^{11-1-1}))/ (1 + 1)) \\
&:= 2 \times ((22 \times (222 + 2)) - (2 + 2)) \\
&:= 3 + (33/3 \times (((33 \times 3^3) + 3/3) + 3)) \\
&:= (44 \times (4^4 - 4 \times (4 + 4))) - 4 - 4 \\
&:= 5^5 + ((5 \times (5 \times (5 \times 55 - 5) - 5)) - ((5 + 5)/5)) \\
&:= ((6 + 6)/6 + 6) \times (((6 \times 6 - 6/6)^{(6+6)/6}) + 6) \\
&:= (77 \times ((7 + 7)/7)^7) - (7/7 + 7) \\
&:= (88 \times ((88 + 8 + 8) + 8)) - 8 \\
&:= 99/9 + (9999 - 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9849 &:= 1 + (1 + ((11 + ((1 + 1 + 1)^{11-1-1}))/ (1 + 1))) \\
&:= 2/2 + (2 \times ((22 \times (222 + 2)) - (2 + 2))) \\
&:= (3^3 \times (333 + 33)) - 33 \\
&:= 4 + ((44 \times (4^4 - 4 \times (4 + 4))) - 44/4) \\
&:= 5 \times 5 + ((55/5 + 5) \times ((5^5 - 55)/5)) \\
&:= (66 + 6/6) \times (666/6 + 6 \times 6) \\
&:= (77 \times ((7 + 7)/7)^7) - 7 \\
&:= (8 - 8/8) \times (88 \times (8 + 8) - 8/8) \\
&:= 9 + ((9/9 + 9 \times 9) \times (999/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9850 &:= 1 + (1 + (1 + ((11 + ((1 + 1 + 1)^{11-1-1}))/ (1 + 1)))) \\
&:= (2 \times ((22 \times (222 + 2)) - 2)) - 2 \\
&:= 3/3 + ((3^3 \times (333 + 33)) - 33) \\
&:= (44 \times (4^4 - 4 \times (4 + 4))) - ((4 + 4)/4 + 4) \\
&:= 5 \times ((5 \times ((5 - 5/5)^5 - 5)) - 5^5) \\
&:= (6 \times 6 - 66/6) \times (6 \times 66 - ((6 + 6)/6)) \\
&:= 7/7 + ((77 \times ((7 + 7)/7)^7) - 7) \\
&:= 8 + ((8 - 8/8) \times (88 \times (8 + 8) - ((8 + 8)/8))) \\
&:= 99 \times 99 + ((9 \times 99 - 9)/ (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9851 &:= 11 + (((1 + 1 + 1)^{11-1-1} - 1)/ (1 + 1)) - 1 \\
&:= (2 \times ((22 \times (222 + 2)) - 2)) - 2/2 \\
&:= (3 \times (3 \times ((33 \times 33 + 3) + 3))) - (3/3 + 3) \\
&:= (44 \times (4^4 - 4 \times (4 + 4))) - 4/4 - 4 \\
&:= 5^5 + ((5 \times (5 \times (5 \times 55 - 5) - 5)) + 5/5) \\
&:= (6 \times (6 - 6 \times 6 \times 6)) + 66666/6 \\
&:= (7 + 7)/7 + ((77 \times ((7 + 7)/7)^7) - 7) \\
&:= 8 + ((88/8 \times (888 + 8/8)) + 8 \times 8) \\
&:= 99 \times 99 + ((9 \times 99 + 9)/ (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9852 &:= 11 + (((1 + 1 + 1)^{11-1-1} - 1)/ (1 + 1)) \\
&:= 2 \times ((22 \times (222 + 2)) - 2) \\
&:= (3 \times (3 \times ((33 \times 33 + 3) + 3))) - 3 \\
&:= (44 \times (4^4 - 4 \times (4 + 4))) - 4 \\
&:= 5^5 + ((5 \times (5 \times (5 \times 55 - 5) - 5)) + ((5 + 5)/5)) \\
&:= (6 + 6) \times ((66 \times (6 + 6) - (6/6 + 6)) + 6 \times 6) \\
&:= 7 + ((77 \times ((7 + 7)/7)^7) - (77/7)) \\
&:= ((8 + 8)/8) \times (88 \times (8 \times 8 - 8) - ((8 + 8)/8)) \\
&:= 9 \times (9 + 9) + (99 \times 99 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9853 &:= 11 + ((1 + ((1 + 1 + 1)^{11-1-1}))/ (1 + 1)) \\
&:= 2/2 + (2 \times ((22 \times (222 + 2)) - 2)) \\
&:= 3^3 + ((3 - 3/3) \times (33/3 + 3 + 3)^3) \\
&:= 4/4 + ((44 \times (4^4 - 4 \times (4 + 4))) - 4) \\
&:= (55 - 5/5 + 5) \times ((555 + 5)/5 + 55) \\
&:= (66 \times ((6 + 6) \times (6 + 6) + 6)) - (66/6 + 6 \times 6) \\
&:= (77 \times ((7 + 7)/7)^7) - (7 + 7 + 7)/7 \\
&:= 8 + (88/8 \times (888 - 8/8 + 8)) \\
&:= 9 + (((99/9) + 9 \times 9) \times ((99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9854 &:= 1 + (11 + ((1 + ((1 + 1 + 1)^{11-1-1}))/ (1 + 1))) \\
&:= (2 \times (22 \times (222 + 2))) - 2 \\
&:= (3 \times (3 \times ((33 \times 33 + 3) + 3))) - 3/3 \\
&:= (44 \times (4^4 - 4 \times (4 + 4))) - (4 + 4)/4 \\
&:= 5 + (((55/5 + 5) \times ((5^5 - 55)/5)) + 5 \times 5) \\
&:= (((6 + 6)/6 + 66) \times ((6 + 6) \times (6 + 6) + 6/6)) - 6 \\
&:= (77 \times ((7 + 7)/7)^7) - (7 + 7)/7 \\
&:= ((8 + 8)/8) \times (88 \times (8 \times 8 - 8) - 8/8) \\
&:= 9 + ((9999 - 9 \times (9 + 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9855 &:= (11 \times ((1 + 111) \times (1 + 1)^{1+1+1})) - 1 \\
&:= (2 \times (22 \times (222 + 2))) - 2/2 \\
&:= 3 \times (3 \times ((33 \times 33 + 3) + 3)) \\
&:= (44 \times (4^4 - 4 \times (4 + 4))) - 4/4 \\
&:= 5 + ((5 \times (5 \times (5 \times 55 - 5) - 5)) + 5^5) \\
&:= 6 + ((66 + 6/6) \times (666/6 + 6 \times 6)) \\
&:= (77 \times ((7 + 7)/7)^7) - 7/7 \\
&:= (88 \times ((88 + 8 + 8) + 8)) - 8/8 \\
&:= 9 + ((9999 - 9 \times (9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9856 &:= 11 \times ((1 + 111) \times (1 + 1)^{1+1+1}) \\
&:= 2 \times (22 \times (222 + 2)) \\
&:= 3/3 + (3 \times (3 \times ((33 \times 33 + 3) + 3))) \\
&:= 44 \times (4^4 - 4 \times (4 + 4)) \\
&:= (55/5 + 5) \times ((5^5 + 5)/5 - (5 + 5)) \\
&:= (66/6 + 66) \times (((6 + 6)/6)^{6/6+6}) \\
&:= 77 \times ((7 + 7)/7)^7 \\
&:= 88 \times ((88 + 8 + 8) + 8) \\
&:= 99 \times 99 + ((999 - 9)/ (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9857 &:= 1 + (11 \times ((1 + 111) \times (1 + 1)^{1+1+1})) \\
&:= 2/2 + (2 \times (22 \times (222 + 2))) \\
&:= 3 + ((3 \times (3 \times ((33 \times 33 + 3) + 3))) - 3/3) \\
&:= 4/4 + (44 \times (4^4 - 4 \times (4 + 4))) \\
&:= 5^5 + ((5/5 + 5) \times ((5555 + 55)/5)) \\
&:= 6 + (66666/6 + (6 \times (6 - 6 \times 6 \times 6))) \\
&:= 7/7 + (77 \times ((7 + 7)/7)^7) \\
&:= 8/8 + (88 \times ((88 + 8 + 8) + 8)) \\
&:= 99 \times 99 + ((999 + 9)/ (9 + 9))
\end{aligned}$$

- 9858 := $1 + (1 + (11 \times ((1 + 111) \times (1 + 1)^{1+1+1})))$
:= $2 + (2 \times (22 \times (222 + 2)))$
:= $3 + (3 \times (3 \times ((33 \times 33 + 3) + 3)))$
:= $(4 + 4)/4 + (44 \times (4^4 - 4 \times (4 + 4)))$
:= $(5 + 5)/5 \times (5555 - (5^5 + 5)/5)$
:= $(66 \times ((6 + 6) \times (6 + 6) + 6)) - (6 \times 6 + 6)$
:= $(7 + 7)/7 + (77 \times ((7 + 7)/7)^7)$
:= $(8 + 8)/8 + (88 \times ((88 + 8 + 8) + 8))$
:= $9 + (((9/9 + 9 \times 9) \times (999/9 + 9)) + 9)$
- 9859 := $1 + (1 + (1 + (11 \times ((1 + 111) \times (1 + 1)^{1+1+1}))))$
:= $2 + ((2 \times (22 \times (222 + 2))) + 2/2)$
:= $3 + ((3 \times (3 \times ((33 \times 33 + 3) + 3))) + 3/3)$
:= $4 + ((44 \times (4^4 - 4 \times (4 + 4))) - 4/4)$
:= $((55/5 + 5) \times (5^5 - 5)/5) - 5 \times 5 \times 5$
:= $6/6 + ((66 \times ((6 + 6) \times (6 + 6) + 6)) - (6 \times 6 + 6))$
:= $(7 + 7 + 7)/7 + (77 \times ((7 + 7)/7)^7)$
:= $(88/8 \times (888 + 8/8 + 8)) - 8$
:= $9999/9 + 9 \times 9 \times (99 + 9)$
- 9860 := $(1 + 1) \times ((1 + 1) \times (1 + ((1 + 1) \times (11 \times (1 + 111))))$
:= $2 \times (22 \times (222 + 2)) + 2$
:= $33 + ((3 \times (3 \times (33 \times 33 + 3))) - 3/3)$
:= $4 + (44 \times (4^4 - 4 \times (4 + 4)))$
:= $(5 + 5) \times (5555/5 - 5 \times 5 \times 5)$
:= $((6 + 6)/6 + 66) \times ((6 + 6) \times (6 + 6) + 6/6)$
:= $77/7 + ((77 \times ((7 + 7)/7)^7) - 7)$
:= $((8 + 8)/8) \times (88 \times (8 \times 8 - 8) + ((8 + 8)/8))$
:= $9 + (((9 \times 99 + 9)/(9 + 9)) + 99 \times 99)$
- 9861 := $1 + ((1 + 1) \times ((1 + 1) \times (1 + ((1 + 1) \times (11 \times (1 + 111))))$
:= $2/2 + (2 \times ((22 \times (222 + 2)) + 2))$
:= $33 + (3 \times (3 \times (33 \times 33 + 3)))$
:= $4 + ((44 \times (4^4 - 4 \times (4 + 4))) + 4/4)$
:= $5 + ((55/5 + 5) \times ((5^5 + 5)/5 - (5 + 5)))$
:= $6 + (((66 + 6/6) \times (666/6 + 6 \times 6)) + 6)$
:= $7 + ((77 \times ((7 + 7)/7)^7) - ((7 + 7)/7))$
:= $(88/8 + 8) \times ((8 \times 8 \times 8 - 8/8) + 8)$
:= $9 \times 9 + (99 \times 99 - ((99 + 9)/9 + 9))$
- 9862 := $(1 + 1) \times (1 + ((1 + 1) \times (1 + ((1 + 1) \times (11 \times (1 + 111))))$
:= $2 + (2 \times ((22 \times (222 + 2)) + 2))$
:= $3/3 + ((3 \times (3 \times (33 \times 33 + 3))) + 33)$
:= $4 + ((44 \times (4^4 - 4 \times (4 + 4))) + (4 + 4)/4)$
:= $(5 + 5)/5 \times (5555 + ((5 - 5^5)/5))$
:= $6 + ((66/6 + 66) \times (((6 + 6)/6)^{6+6+6}))$
:= $7 + ((77 \times ((7 + 7)/7)^7) - 7/7)$
:= $8 + (((8 + 8)/8) \times (88 \times (8 \times 8 - 8) - 8/8))$
:= $9 \times 9 + (99 \times 99 - (99/9 + 9))$
- 9863 := $((1 + 1)^{1+1+1} \times (1 + (11 \times (1 + 111)))) - 1$
:= $2 + ((2 \times ((22 \times (222 + 2)) + 2)) + 2/2)$
:= $(3 \times ((3 \times ((33 \times 33 + 3) + 3)) + 3)) - 3/3$
:= $4 + (((44 \times (4^4 - 4 \times (4 + 4))) - 4/4) + 4)$
:= $5 + ((5 + 5)/5 \times (5555 - (5^5 + 5)/5))$
:= $(66 \times ((6 + 6) \times (6 + 6) + 6)) - (6 \times 6 + 6/6)$
:= $7 + (77 \times ((7 + 7)/7)^7)$
:= $(8 - 8/8) \times (88 \times (8 + 8) + 8/8)$
:= $9 \times 9 + (99 \times 99 - (9/9 + 9 + 9))$
- 9864 := $(1 + 1)^{1+1+1} \times (1 + (11 \times (1 + 111)))$
:= $2 \times (((22 \times (222 + 2)) + 2) + 2)$
:= $3 \times ((3 \times ((33 \times 33 + 3) + 3)) + 3)$
:= $4 + ((44 \times (4^4 - 4 \times (4 + 4))) + 4)$
:= $(55/5 + 5 \times 5) \times (5 \times 55 - 5/5)$
:= $6 \times ((66 \times (6 \times 6 - 66/6)) - 6)$
:= $7 + ((77 \times ((7 + 7)/7)^7) + 7/7)$
:= $8 + (88 \times ((88 + 8 + 8) + 8))$
:= $9 \times 9 + (99 \times 99 - (9 + 9))$
- 9865 := $1 + ((1 + 1)^{1+1+1} \times (1 + (11 \times (1 + 111))))$
:= $2/2 + (2 \times (((22 \times (222 + 2)) + 2) + 2))$
:= $((3/3 + 3)^3) + (3 \times (3 \times 33 \times 33))$
:= $4 + (((44 \times (4^4 - 4 \times (4 + 4))) + 4/4) + 4)$
:= $5^5 + ((5 \times 5 \times (5 \times 55 - 5)) - (5 + 5))$
:= $6/6 + (6 \times ((66 \times (6 \times 6 - 66/6)) - 6))$
:= $7 + ((77 \times ((7 + 7)/7)^7) + ((7 + 7)/7))$
:= $8 + ((88 \times ((88 + 8 + 8) + 8)) + 8/8)$
:= $9/9 + ((99 \times 99 - (9 + 9)) + 9 \times 9)$
- 9866 := $(11 \times (1 + ((1 + 111) \times (1 + 1)^{1+1+1}))) - 1$
:= $2 + (2 \times ((22 \times (222 + 2)) + 2) + 2)$
:= $33/3 + (3 \times (3 \times ((33 \times 33 + 3) + 3)))$
:= $(44 - 4)/4 + (44 \times (4^4 - 4 \times (4 + 4)))$
:= $5 + (((55/5 + 5) \times ((5^5 + 5)/5 - (5 + 5))) + 5)$
:= $6 + (((6 + 6)/6 + 66) \times ((6 + 6) \times (6 + 6) + 6/6))$
:= $((77 - 7)/7) + (77 \times ((7 + 7)/7)^7)$
:= $8 + ((88 \times ((88 + 8 + 8) + 8)) + ((8 + 8)/8))$
:= $9 + (((999 + 9)/(9 + 9)) + 99 \times 99)$
- 9867 := $11 \times (1 + ((1 + 111) \times (1 + 1)^{1+1+1}))$
:= $22/2 + (2 \times (22 \times (222 + 2)))$
:= $33 \times ((3 \times 3 \times 33 - 3/3) + 3)$
:= $44/4 + (44 \times (4^4 - 4 \times (4 + 4)))$
:= $5 + ((5 + 5)/5 \times (5555 + ((5 - 5^5)/5)))$
:= $66 + ((666/6 - (6 + 6))^{6+6+6})$
:= $77/7 + (77 \times ((7 + 7)/7)^7)$
:= $88/8 \times (888 + 8/8 + 8)$
:= $99 + (999/9 \times (99 - (99/9)))$
- 9868 := $11111 - (11 \times (1 + 1 + 111))$
:= $2 \times (((22 \times (222 + 2)) + 2) + 2) + 2$
:= $3 + ((3 \times (3 \times 33 \times 33)) + ((3/3 + 3)^3))$
:= $(4 \times (4 \times ((4/4 + 4)^4 - (4 + 4)))) - 4$
:= $5^5 + (55/5 \times ((5^5 - (55 + 5))/5))$
:= $((66 - 6)/6)^{6-(6+6)/6} - (66 + 66)$
:= $(77 + 7)/7 + (77 \times ((7 + 7)/7)^7)$
:= $8/8 + (88/8 \times (888 + 8/8 + 8))$
:= $9 + (9999/9 + 9 \times 9 \times (99 + 9))$
- 9869 := $1 + (11111 - (11 \times (1 + 1 + 111)))$
:= $2 + ((2 \times (22 \times (222 + 2))) + 22/2)$
:= $(33 \times (3 + 3)^3) + ((33/3 + 3)^3 - 3)$
:= $4/4 + ((4 \times (4 \times ((4/4 + 4)^4 - (4 + 4)))) - 4)$
:= $5 + ((55/5 + 5 \times 5) \times (5 \times 55 - 5/5))$
:= $((6 - 6/6) \times (66 \times (6 \times 6 - 6) - 6)) - 6/6$
:= $7 + (((77 \times ((7 + 7)/7)^7) - 7/7) + 7)$
:= $8 + ((88/8 + 8) \times ((8 \times 8 \times 8 - 8/8) + 8))$
:= $9 \times 9 + (99 \times 99 - ((99 + 9 + 9)/9))$
- 9870 := $(11 - 1) \times ((11 - 1)^{1+1+1} - (1 + 1 + 11))$
:= $2 + (2 \times (((22 \times (222 + 2)) + 2) + 2) + 2)$
:= $(3^3 + 3) \times (333 - (3/3 + 3))$
:= $((44 - 4)/4 + 4) \times 4 \times 4 \times 44 + 4/4$
:= $5^5 + ((5 \times 5 \times (5 \times 55 - 5)) - 5)$
:= $(6 - 6/6) \times (66 \times (6 \times 6 - 6) - 6)$
:= $7 + ((77 \times ((7 + 7)/7)^7) + 7)$
:= $(8 - 8/8) \times (88 \times (8 + 8) + ((8 + 8)/8))$
:= $9 \times 9 + (99 \times 99 - (99 + 9)/9)$
- 9871 := $((1 + 11^{1+1}) \times (11 - 1 - 1)^{1+1}) - 11$
:= $22/2 + (2 \times ((22 \times (222 + 2)) + 2))$
:= $(3^3 \times (333 + 33)) - 33/3$
:= $(4 \times (4 \times ((4/4 + 4)^4 - (4 + 4)))) - 4/4$
:= $5^5 + (((5 \times 5 \times (5 \times 55 - 5)) - 5) + 5/5)$
:= $6/6 + ((6 - 6/6) \times (66 \times (6 \times 6 - 6) - 6))$
:= $7 + (((77 \times ((7 + 7)/7)^7) + 7/7) + 7)$
:= $((8/8 + 88) \times 888/8) - 8$
:= $9 \times 9 + (99 \times 99 - (99/9))$
- 9872 := $(1 + 1)^{1+1+1} \times (1 + (1 + (11 \times (1 + 111))))$
:= $2 \times ((22 \times (222 + 2)) + 2 \times (2 + 2))$
:= $(33 \times (3 + 3)^3) + (33/3 + 3)^3$
:= $4 \times (4 \times ((4/4 + 4)^4 - (4 + 4)))$
:= $5^5 + ((5/5 + 5)^5 - ((5 - 5/5)^5 + 5))$
:= $(6 + 6)/6 + ((6 - 6/6) \times (66 \times (6 \times 6 - 6) - 6))$
:= $7 + (((77 \times ((7 + 7)/7)^7) + ((7 + 7)/7)) + 7)$
:= $8 + ((88 \times ((88 + 8 + 8) + 8)) + 8)$
:= $9 \times 9 + (99 \times 99 - (9/9 + 9))$

- 9873 := $(11 - 1 - 1) \times (1111 - (1 + (1 + 1 + 11)))$
:= $2 + ((2 \times (22 \times (222 + 2)) + 2)) + 22/2$
:= $3 \times (((3 \times 33 \times 33) - 3) + 3^3)$
:= $4/4 + (4 \times (4 \times ((4/4 + 4)^4 - (4 + 4))))$
:= $5^5 + ((5 \times 5 \times (5 \times 55 - 5)) - ((5 + 5)/5))$
:= $6 + (((666/6 - (6 + 6))^{(6+6)/6}) + 66)$
:= $7 + ((77 \times ((7 + 7)/7)^7) + ((77 - 7)/7))$
:= $8 + (((88 \times ((88 + 8 + 8) + 8)) + 8/8) + 8)$
:= $9 \times 9 + (99 \times 99 - 9)$
- 9874 := $1 + ((11 - 1 - 1) \times (1111 - (1 + (1 + 1 + 11))))$
:= $22 + (2 \times ((22 \times (222 + 2)) - 2))$
:= $3 \times 3333 - (3 - 3/3 + 3)^3$
:= $(4 + 4)/4 + (4 \times (4 \times ((4/4 + 4)^4 - (4 + 4))))$
:= $5^5 + ((5 \times 5 \times (5 \times 55 - 5)) - 5/5)$
:= $((6 \times 6 - 66/6) \times (6 \times 66 - 6/6)) - 6/6$
:= $7 + ((77 \times ((7 + 7)/7)^7) + (77/7))$
:= $((8 + 8)/8) \times ((88 \times (8 \times 8 - 8) + 8/8) + 8)$
:= $9/9 + ((99 \times 99 - 9) + 9 \times 9)$
- 9875 := $11 + ((1 + 1)^{1+1+1} \times (1 + (11 \times (1 + 111))))$
:= $222/2 + (2 \times (22 \times 222 - 2))$
:= $3 + ((33 \times (3 + 3)^3) + (33/3 + 3)^3)$
:= $4 + ((4 \times (4 \times ((4/4 + 4)^4 - (4 + 4)))) - 4/4)$
:= $5 \times (5 \times (5 \times (5 \times 55 - 5)))$
:= $(6 \times 6 - 66/6) \times (6 \times 66 - 6/6)$
:= $7 + ((77 \times ((7 + 7)/7)^7) + (77 + 7)/7)$
:= $8 + (88/8 \times (888 + 8/8 + 8))$
:= $9 \times 9 + ((99 \times 99 - 9) + ((9 + 9)/9))$
- 9876 := $((111 - 1)^{1+1}) - ((1 + 1) \times (1 + 1111))$
:= $22 + ((2 \times (22 \times (222 + 2))) - 2)$
:= $(3^3 \times (333 + 33)) - 3 - 3$
:= $4 + (4 \times (4 \times ((4/4 + 4)^4 - (4 + 4))))$
:= $5^5 + ((5 \times 5 \times (5 \times 55 - 5)) + 5/5)$
:= $6 + ((6 - 6/6) \times (66 \times (6 \times 6 - 6) - 6))$
:= $7 + (((77 \times ((7 + 7)/7)^7) - 7/7) + 7) + 7$
:= $((88 + 8)/8) \times (888 - (8/8 + 8 \times 8))$
:= $9 \times 9 + (((9 + 9 + 9)/9) - 9) + 99 \times 99$
- 9877 := $(111 \times (111 - 11 - 11)) - 1 - 1$
:= $22 + ((2 \times (22 \times (222 + 2))) - 2/2)$
:= $3 + (3 \times 3333 - (3 - 3/3 + 3)^3)$
:= $(4 \times 4 + 4/4) \times ((4/4 + 4)^4 - 44)$
:= $5^5 + ((5/5 + 5)^5 - (5 - 5/5)^5)$
:= $6 + (((6 - 6/6) \times (66 \times (6 \times 6 - 6) - 6)) + 6/6)$
:= $7 + (((77 \times ((7 + 7)/7)^7) + 7) + 7)$
:= $(8 - 8/8) \times ((88 \times (8 + 8) - 8) + (88/8))$
:= $9999 - (999 + 99)/9$
- 9878 := $(111 \times (111 - 11 - 11)) - 1$
:= $22 + (2 \times (22 \times (222 + 2)))$
:= $33 \times 333 - 3333/3$
:= $(44/((4 + 4)/4)) \times ((444 + 4/4) + 4)$
:= $55/5 \times ((5^5 - 5 - 5)/5 + 5 \times 55)$
:= $66/6 \times ((6 \times ((6 + 6) \times (6 + 6) + 6)) - ((6 + 6)/6))$
:= $77 + ((7 \times (7 + 7) + 7/7)^{(7+7)/7})$
:= $88/8 \times ((888 + ((8 + 8)/8)) + 8)$
:= $99/9 \times ((9 \times 99 - ((9 + 9)/9)) + 9)$
- 9879 := $111 \times (111 - 11 - 11)$
:= $222/2 + (2 \times 22 \times 222)$
:= $(3^3 \times (333 + 33)) - 3$
:= $444/4 \times (((4 - 4/4)^4 + 4) + 4)$
:= $5^5 + (55/5 \times ((5^5 - 55)/5))$
:= $666/6 \times ((66/6 + 66 + 6) + 6)$
:= $777/7 \times ((77 + 7)/7 + 77)$
:= $(8/8 + 88) \times 888/8$
:= $9999 - (999/9 + 9)$
- 9880 := $1 + (111 \times (111 - 11 - 11))$
:= $2 + ((2 \times (22 \times (222 + 2))) + 22)$
:= $3/3 + ((3^3 \times (333 + 33)) - 3)$
:= $(4^4 + 4) \times (44 - ((4 + 4)/4 + 4))$
:= $5 + ((5 \times 5 \times (5 \times 55 - 5)) + 5^5)$
:= $(6/6 - 66) \times (((6 + 6)/6)^6 - 6 \times 6 \times 6)$
:= $(77 - 7/7) \times (((7 + 7)/7)^7 + ((7 + 7)/7))$
:= $(88/8 + 8) \times (8 \times 8 \times 8 + 8)$
:= $9 \times 9 + (99 \times 99 - ((9 + 9)/9))$
- 9881 := $1 + (1 + (111 \times (111 - 11 - 11)))$
:= $2 + ((2 \times 22 \times 222) + 222/2)$
:= $(3^3 \times (333 + 33)) - 3/3$
:= $4 + ((4 \times 4 + 4/4) \times ((4/4 + 4)^4 - 44))$
:= $5 + (((5 \times 5 \times (5 \times 55 - 5)) + 5^5) + 5/5)$
:= $6 + ((6 \times 6 - 66/6) \times (6 \times 66 - 6/6))$
:= $7 + (((77 \times ((7 + 7)/7)^7) + (77/7)) + 7)$
:= $8/8 + ((88/8 + 8) \times (8 \times 8 \times 8 + 8))$
:= $9 \times 9 + (99 \times 99 - 9/9)$
- 9882 := $(1 + 11^{1+1}) \times (11 - 1 - 1)^{1+1}$
:= $22 + (2 \times ((22 \times (222 + 2)) + 2))$
:= $3^3 \times (333 + 33)$
:= $(4 - 4/4)^4 \times (444 + 44)/4$
:= $5 + (((5/5 + 5)^5 - (5 - 5/5)^5) + 5^5)$
:= $6 \times (6 \times 6 \times 66 - ((6 \times 6)/(6 + 6))^6)$
:= $(77/7 + 7) \times (((77 - 7)/7) + 7 \times 77)$
:= $(8 + 8)/8 + ((88/8 + 8) \times (8 \times 8 \times 8 + 8))$
:= $9 \times (999 + 99)$
- 9883 := $1 + ((1 + 11^{1+1}) \times (11 - 1 - 1)^{1+1})$
:= $222/2 + (2 \times (22 \times 222 + 2))$
:= $3/3 + (3^3 \times (333 + 33))$
:= $4 + (444/4 \times (((4 - 4/4)^4 + 4) + 4))$
:= $((5 + 5)^{5-5/5}) - ((555 + 5)/5 + 5)$
:= $(66 \times ((6 + 6) \times (6 + 6) + 6)) - (66/6 + 6)$
:= $7 + (((77 \times ((7 + 7)/7)^7) - 7/7) + 7) + 7$
:= $8 + ((88/8 \times (888 + 8/8 + 8)) + 8)$
:= $9/9 + (99 \times 99 + 9 \times 9)$
- 9884 := $1 + (1 + ((1 + 11^{1+1}) \times (11 - 1 - 1)^{1+1}))$
:= $(2^{2+2} - 2) \times (222 + 22^2)$
:= $3 + ((3^3 \times (333 + 33)) - 3/3)$
:= $4 + ((4^4 + 4) \times (44 - ((4 + 4)/4 + 4)))$
:= $((5 + 5)^{5-5/5}) - (555/5 + 5)$
:= $(6 - 66)/6 + ((66 \times ((6 + 6) \times (6 + 6) + 6)) - 6)$
:= $7 + (((77 \times ((7 + 7)/7)^7) + 7) + 7) + 7$
:= $(8 - 8/8) \times (88 \times (8 + 8) + 8 \times 8/(8 + 8))$
:= $9 \times 9 + (99 \times 99 + ((9 + 9)/9))$
- 9885 := $1 + (1 + (1 + ((1 + 11^{1+1}) \times (11 - 1 - 1)^{1+1})))$
:= $(22/2)^2 + (2 \times (22 \times 222 - 2))$
:= $3 + (3^3 \times (333 + 33))$
:= $((44 - 4)/4)^4 - (444/4 + 4)$
:= $5 + (((5 \times 5 \times (5 \times 55 - 5)) + 5^5) + 5)$
:= $(666666/66) - 6 \times 6 \times 6$
:= $7 + (((7 \times (7 + 7) + 7/7)^{(7+7)/7}) + 77)$
:= $8 \times (8 + 8) + (88/8 \times (888 - 8/8))$
:= $9 \times 9 + (99 \times 99 + ((9 + 9 + 9)/9))$
- 9886 := $((11 - 1)^{1+1+1+1}) - (1 + 1 + 1 + 111)$
:= $2 + ((2^{2+2} - 2) \times (222 + 22^2))$
:= $3 + ((3^3 \times (333 + 33)) + 3/3)$
:= $4 + ((4 - 4/4)^4 \times (444 + 44)/4)$
:= $5^5 + ((5 \times 5 \times (5 \times 55 - 5)) + (55/5))$
:= $6 + ((6/6 - 66) \times (((6 + 6)/6)^6 - 6 \times 6 \times 6))$
:= $7 + (777/7 \times ((77 + 7)/7 + 77))$
:= $8 + (88/8 \times ((888 + ((8 + 8)/8)) + 8))$
:= $9999 - ((999 + 9 + 9)/9)$
- 9887 := $((11 - 1)^{1+1+1+1}) - (1 + 1 + 111)$
:= $(22/2)^2 + ((2 \times 22 \times 222) - 2)$
:= $3 \times 3333 - ((333 + 3)/3)$
:= $((44 - 4)/4)^4 - ((444 + 4 + 4)/4)$
:= $((5 + 5)^{5-5/5}) - (555 + 5 + 5)/5$
:= $(66 \times ((6 + 6) \times (6 + 6) + 6)) - (6/6 + 6 + 6)$
:= $7777 + (((7 + 7 + 7)/7)^7 - 77)$
:= $8 + ((8/8 + 88) \times 888/8)$
:= $9999 - ((999 + 9)/9)$

$$\begin{aligned}
\blacktriangleright 9888 &:= ((11-1)^{1+1+1+1}) - (1+111) \\
&:= 2 \times ((22 \times (222+2)) + 2^{2+2}) \\
&:= 3 + ((3^3 \times (333+33)) + 3) \\
&:= 4 \times ((4 \times ((4/4+4)^4 - (4+4))) + 4) \\
&:= (55/5+5) \times ((5^5-5-5)/5-5) \\
&:= (66 \times ((6+6) \times (6+6)+6)) - 6-6 \\
&:= (7-7/7) \times (((7+7+7)/7)^7 - 7 \times 77) \\
&:= (88+8) \times (888/8-8) \\
&:= 9999-999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9889 &:= ((11-1)^{1+1+1+1}) - 111 \\
&:= (22/2)^2 + (2 \times 22 \times 222) \\
&:= ((3-333)/3) + 3 \times 3333 \\
&:= ((44-4)/4)^4 - 444/4 \\
&:= ((5+5)^{5-5/5}) - 555/5 \\
&:= (66 \times ((6+6) \times (6+6)+6)) - 66/6 \\
&:= 7 + ((77/7+7) \times ((77-7)/7) + 7 \times 77) \\
&:= 88/8 \times (888+88/8) \\
&:= 99 + (99 \times 99 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9890 &:= 11111 - 11 \times 111 \\
&:= 2 + (2 \times ((22 \times (222+2)) + 2^{2+2})) \\
&:= (3 \times (3333 - (33+3))) - 3/3 \\
&:= ((4-444)/4) + ((44-4)/4)^4 \\
&:= ((5+5)^{5-5/5}) - (55+55) \\
&:= (6-6/6) \times (66 \times (6 \times 6-6) - ((6+6)/6)) \\
&:= (7 \times ((7 \times ((7+7) \times (7+7)+7)) - 7)) - (7/7+7) \\
&:= 8/8 + (88/8 \times (888+88/8)) \\
&:= 9 + ((99 \times 99 - 9/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9891 &:= 1 + (11111 - 11 \times 111) \\
&:= 2 + ((2 \times 22 \times 222) + (22/2)^2) \\
&:= 3 \times (3333 - (33+3)) \\
&:= ((4^4-4)/4) \times ((4 \times (44-4) - 4) + 4/4) \\
&:= 5/5 + (((5+5)^{5-5/5}) - (55+55)) \\
&:= 6 + ((666666/66) - 6 \times 6 \times 6) \\
&:= (7 \times ((7 \times ((7+7) \times (7+7)+7)) - 7)) - 7 \\
&:= 88/8 + ((88/8+8) \times (8 \times 8 \times 8+8)) \\
&:= 9 + (99 \times 99 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9892 &:= 1 + (1 + (11111 - 11 \times 111)) \\
&:= 2 \times (((22 \times (222+2)) + 2^{2+2}) + 2) \\
&:= 3/3 + (3 \times (3333 - (33+3))) \\
&:= (4 \times (4 \times ((4/4+4)^4 - 4))) - 44 \\
&:= 5 + (((5+5)^{5-5/5}) - (555+5+5)/5) \\
&:= (66 \times ((6+6) \times (6+6)+6)) - ((6+6)/6+6) \\
&:= 7/7 + ((7 \times ((7 \times ((7+7) \times (7+7)+7)) - 7)) - 7) \\
&:= (88/8 \times ((88+8)/8) + 888) - 8 \\
&:= 9 + ((99 \times 99 + 9 \times 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9893 &:= 1 + (1 + (1 + (11111 - 11 \times 111))) \\
&:= 22^2 + ((2 \times 2 \times (22+2) + 2/2)^2) \\
&:= 33/3 + (3^3 \times (333+33)) \\
&:= 4 + (((44-4)/4)^4 - 444/4) \\
&:= 5 + ((55/5+5) \times ((5^5-5-5)/5-5)) \\
&:= (66 \times ((6+6) \times (6+6)+6)) - 6/6-6 \\
&:= ((77/7+7) \times (7 \times 77 + (77/7))) - 7 \\
&:= 8 + ((88/8 \times (888-8/8)) + 8 \times (8+8)) \\
&:= 9 \times 9 + (99 \times 99 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9894 &:= 1 + (1 + (1 + (1 + (11111 - 11 \times 111)))) \\
&:= (22 \times ((2 \times (222+2)) + 2)) - 2 - 2 - 2 \\
&:= 3 + (3 \times (3333 - (33+3))) \\
&:= 4 + (((4-444)/4) + ((44-4)/4)^4) \\
&:= 5 + (((5+5)^{5-5/5}) - 555/5) \\
&:= (66 \times ((6+6) \times (6+6)+6)) - 6 \\
&:= 7 \times 7 + ((77 \times ((7+7)/7)^7) - (77/7)) \\
&:= ((8/8+88) + 8) \times ((888-8)/8-8) \\
&:= 9 \times 9 + (99 \times 99 + (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9895 &:= ((11-1-1) \times (1+1111)) - (1+1+111) \\
&:= 2 + (((2 \times 2 \times (22+2) + 2/2)^2) + 22^2) \\
&:= 3 + ((3 \times (3333 - (33+3))) + 3/3) \\
&:= (4/4+4) \times ((44 \times 44 - 4/4) + 44) \\
&:= (55 \times (5 \times 5 \times 5 + 55)) - 5 \\
&:= 6/6 + ((66 \times ((6+6) \times (6+6)+6)) - 6) \\
&:= 7 + ((7-7/7) \times (((7+7+7)/7)^7 - 7 \times 77)) \\
&:= 8 + (((8/8+88) \times 888/8) + 8) \\
&:= 9 + (9999 - ((999+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9896 &:= ((11-1-1) \times (1+1111)) - (1+111) \\
&:= 2 \times (((22 \times (222+2)) - 2) + 22) \\
&:= (3 \times (3333 - 33)) - (3/3+3) \\
&:= 4 + ((4 \times (4 \times ((4/4+4)^4 - 4))) - 44) \\
&:= 5/5 + ((55 \times (5 \times 5 \times 5 + 55)) - 5) \\
&:= (6+6)/6 + ((66 \times ((6+6) \times (6+6)+6)) - 6) \\
&:= (7 \times ((7 \times ((7+7) \times (7+7)+7)) - 7)) - (7+7)/7 \\
&:= 8 + ((88+8) \times (888/8-8)) \\
&:= 9 + (9999 - ((999+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9897 &:= ((11-1-1) \times (1+1111)) - 111 \\
&:= (22 \times ((2 \times (222+2)) + 2)) - 2/2 - 2 \\
&:= (3 \times (3333 - 33)) - 3 \\
&:= 4 + (((44-4)/4)^4 - 444/4) + 4 \\
&:= (5+5)/5 + ((55 \times (5 \times 5 \times 5 + 55)) - 5) \\
&:= (66 \times ((6+6) \times (6+6)+6)) - 6 \times 6/(6+6) \\
&:= (7 \times ((7 \times ((7+7) \times (7+7)+7)) - 7)) - 7/7 \\
&:= 8 + (88/8 \times (888+88/8)) \\
&:= 9 + (9999 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9898 &:= (11 \times (((11-1) \times (1+1+1))^{1+1})) - 1 - 1 \\
&:= (22 \times ((2 \times (222+2)) + 2)) - 2 \\
&:= 3/3 + ((3 \times (3333 - 33)) - 3) \\
&:= 4 + (((4-444)/4) + ((44-4)/4)^4) + 4 \\
&:= (55 \times (5 \times 5 \times 5 + 55)) - (5+5)/5 \\
&:= (66 \times ((6+6) \times (6+6)+6)) - (6+6)/6 \\
&:= 7 \times ((7 \times ((7+7) \times (7+7)+7)) - 7) \\
&:= (8-8/8) \times ((88 \times (8+8) - ((8+8)/8)) + 8) \\
&:= 99 + (99 \times 99 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9899 &:= (11 \times (((11-1) \times (1+1+1))^{1+1})) - 1 \\
&:= (22 \times ((2 \times (222+2)) + 2)) - 2/2 \\
&:= (3 \times (3333 - 33)) - 3/3 \\
&:= 44 + ((44 \times (4^4 - 4 \times (4+4))) - 4/4) \\
&:= (55 \times (5 \times 5 \times 5 + 55)) - 5/5 \\
&:= (66 \times ((6+6) \times (6+6)+6)) - 6/6 \\
&:= 7/7 + (7 \times ((7 \times ((7+7) \times (7+7)+7)) - 7)) \\
&:= (88/8+8) \times ((8 \times 8 \times 8 + 8/8) + 8) \\
&:= 99 + (99 \times 99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9900 &:= 11 \times (((11-1) \times (1+1+1))^{1+1}) \\
&:= 22 \times ((2 \times (222+2)) + 2) \\
&:= 3 \times (3333 - 33) \\
&:= 44 + (44 \times (4^4 - 4 \times (4+4))) \\
&:= 55 \times (5 \times 5 \times 5 + 55) \\
&:= 66 \times ((6+6) \times (6+6)+6) \\
&:= (77/7+7) \times (7 \times 77 + (77/7)) \\
&:= 88/8 \times (((88+8)/8) + 888) \\
&:= 99 + 99 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9901 &:= 1 + (11 \times (((11-1) \times (1+1+1))^{1+1})) \\
&:= 2/2 + (22 \times ((2 \times (222+2)) + 2)) \\
&:= 3/3 + (3 \times (3333 - 33)) \\
&:= 44 + ((44 \times (4^4 - 4 \times (4+4))) + 4/4) \\
&:= 5/5 + (55 \times (5 \times 5 \times 5 + 55)) \\
&:= 6/6 + (66 \times ((6+6) \times (6+6)+6)) \\
&:= ((77+7) \times (777/7+7)) - 77/7 \\
&:= 8888 + (8 \times 8 \times (8+8) - (88/8)) \\
&:= 9/9 + (99 \times 99 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9902 &:= 1 + (1 + (11 \times (((11-1) \times (1+1+1))^{1+1}))) \\
&:= 2 + (22 \times ((2 \times (222+2)) + 2)) \\
&:= 3 + ((3 \times (3333 - 33)) - 3/3) \\
&:= ((44 - (4/4+4)) \times (4^4 - (4+4)/4)) - 4 \\
&:= (5+5)/5 + (55 \times (5 \times 5 \times 5 + 55)) \\
&:= (6+6)/6 + (66 \times ((6+6) \times (6+6)+6)) \\
&:= (((77-7)/7)^{77/7-7}) - 7 \times (7+7) \\
&:= ((8/8+8) \times (8888-8)/8) - 88 \\
&:= 99 + (99 \times 99 + ((9+9)/9))
\end{aligned}$$

- 9903 := $1 + (1 + (1 + (11 \times (((11 - 1) \times (1 + 1 + 1))^{1+1})))$
:= $2 + ((22 \times ((2 \times (222 + 2)) + 2)) + 2/2)$
:= $3 + (3 \times (3333 - 33))$
:= $4 \times 4^4 + (((4 \times 4 + 4) \times 444) - 4/4)$
:= $5 + ((55 \times (5 \times 5 \times 5 + 55)) - ((5 + 5)/5))$
:= $(6 \times 6 / (6 + 6)) + (66 \times ((6 + 6) \times (6 + 6) + 6))$
:= $7 \times 7 + ((77 \times ((7 + 7)/7)^7) - ((7 + 7)/7))$
:= $8 + (((8/8 + 88) \times 888/8) + 8) + 8$
:= $99 \times 99 + (999/9 - 9)$
- 9904 := $1 + (1 + (1 + (1 + (11 \times (((11 - 1) \times (1 + 1 + 1))^{1+1}))))$
:= $2 + ((22 \times ((2 \times (222 + 2)) + 2)) + 2)$
:= $3 + ((3 \times (3333 - 33)) + 3/3)$
:= $4 \times ((4/4 + 4) \times 444 + 4^4)$
:= $(55/5 + 5) \times ((5^5 - 5)/5 - 5)$
:= $6 + ((66 \times ((6 + 6) \times (6 + 6) + 6)) - ((6 + 6)/6))$
:= $7 \times 7 + ((77 \times ((7 + 7)/7)^7) - 7/7)$
:= $8888 + (8 \times 8 \times (8 + 8) - 8)$
:= $99 \times 99 + (((999 + 9)/9) - 9)$
- 9905 := $((1 + 1) \times (1 + (1 + 1111))) - (111^{1+1})$
:= $2 + (((22 \times ((2 \times (222 + 2)) + 2)) + 2/2) + 2)$
:= $3 + (((3 \times (3333 - 33)) - 3/3) + 3)$
:= $4 \times 4 + (((44 - 4)/4)^4 - 444/4)$
:= $5 + (55 \times (5 \times 5 \times 5 + 55))$
:= $6 + ((66 \times ((6 + 6) \times (6 + 6) + 6)) - 6/6)$
:= $7 \times 7 + (77 \times ((7 + 7)/7)^7)$
:= $(8 - 8/8) \times ((88 \times (8 + 8) - 8/8) + 8)$
:= $9 + (9999 - ((999 + 9)/9) + 9)$
- 9906 := $((11 - 1 - 1) \times (1 + (1 + 1111))) - 111$
:= $2 + (((22 \times ((2 \times (222 + 2)) + 2)) + 2) + 2)$
:= $3 + ((3 \times (3333 - 33)) + 3)$
:= $(44 - (4/4 + 4)) \times (4^4 - (4 + 4)/4)$
:= $5 + ((55 \times (5 \times 5 \times 5 + 55)) + 5/5)$
:= $6 + (66 \times ((6 + 6) \times (6 + 6) + 6))$
:= $7/7 + ((77 \times ((7 + 7)/7)^7) + 7 \times 7)$
:= $(8 \times (8 + 8) - 8/8) \times ((8 - 88)/8 + 88)$
:= $9 + (9999 - 999/9 + 9)$
- 9907 := $((11 - 1 - 1) \times (1 + (1111 - 11))) - 1 - 1$
:= $2 + (((22 \times ((2 \times (222 + 2)) + 2)) + 2/2) + 2) + 2$
:= $(3 \times (3333 - 3^3)) - 33/3$
:= $((44 - 4)/4)^4 + ((4 - (4 + 4)^4)/44)$
:= $5 + ((55 \times (5 \times 5 \times 5 + 55)) + ((5 + 5)/5))$
:= $6 + ((66 \times ((6 + 6) \times (6 + 6) + 6)) + 6/6)$
:= $((7 + 7)/7)^7 \times (7/7 + 77) - 77$
:= $8 + ((88/8 + 8) \times ((8 \times 8 \times 8 + 8/8) + 8))$
:= $9999 - ((99/9) + 9 \times 9)$
- 9908 := $((11 - 1 - 1) \times (1 + (1111 - 11))) - 1$
:= $2 \times (((22 \times (222 + 2)) + 22) + 2) + 2$
:= $(3 \times ((3333 - 33) + 3)) - 3/3$
:= $4 + (((4 \times 4 + 4) \times 444) + 4 \times 4^4)$
:= $5 + (((55 \times (5 \times 5 \times 5 + 55)) - ((5 + 5)/5)) + 5)$
:= $6 + ((66 \times ((6 + 6) \times (6 + 6) + 6)) + ((6 + 6)/6))$
:= $7 + (((77 + 7) \times (777/7 + 7)) - (77/7))$
:= $8 + (88/8 \times (((88 + 8)/8) + 888))$
:= $9 + ((99 \times 99 - 9/9) + 99)$
- 9909 := $(11 - 1 - 1) \times (1 + (1111 - 11))$
:= $22/2 + ((22 \times ((2 \times (222 + 2)) + 2)) - 2)$
:= $3 \times ((3333 - 33) + 3)$
:= $((44 - 4) \times (4^4 - 4 - 4)) - 44/4$
:= $5 + ((55/5 + 5) \times ((5^5 - 5)/5 - 5))$
:= $6 + ((66 \times ((6 + 6) \times (6 + 6) + 6)) + (6 \times 6 / (6 + 6)))$
:= $77/7 + (7 \times ((7 \times ((7 + 7) \times (7 + 7) + 7)) - 7))$
:= $8 \times 8 + (88/8 \times (888 - 8/8 + 8))$
:= $9 + (99 \times 99 + 99)$
- 9910 := $1 + ((11 - 1 - 1) \times (1 + (1111 - 11)))$
:= $2222 + (2 \times (2^{2+2+2} - 2)^2)$
:= $3/3 + (3 \times ((3333 - 33) + 3))$
:= $4 + ((44 - (4/4 + 4)) \times (4^4 - (4 + 4)/4))$
:= $5 + ((55 \times (5 \times 5 \times 5 + 55)) + 5)$
:= $(6 - 6/6) \times (66 \times (6 \times 6 - 6) + ((6 + 6)/6))$
:= $((77 + 7) \times (777/7 + 7)) - (7 + 7)/7$
:= $8888 + (8 \times 8 \times (8 + 8) - ((8 + 8)/8))$
:= $9 + (99 \times 99 + 99) + 9/9$
- 9911 := $11 \times (1 + (((11 - 1) \times (1 + 1 + 1))^{1+1}))$
:= $22/2 + (22 \times ((2 \times (222 + 2)) + 2))$
:= $33/3 + (3 \times (3333 - 33))$
:= $(4^4 - 44)/4 \times (4 \times 44 + 44/4)$
:= $55/5 + (55 \times (5 \times 5 \times 5 + 55))$
:= $66/6 + (66 \times ((6 + 6) \times (6 + 6) + 6))$
:= $((77 + 7) \times (777/7 + 7)) - 7/7$
:= $8888 + (8 \times 8 \times (8 + 8) - 8/8)$
:= $99 + (99 \times 99 + 99/9)$
- 9912 := $111 + ((11 \times (11 - 1 - 1))^{1+1})$
:= $2 \times (2 \times (2222 + 2^{2 \times (2+2)}))$
:= $3 + (3 \times ((3333 - 33) + 3))$
:= $((44 - 4)/4)^4 - (44 + 44)$
:= $(5/5 + 5) \times ((55 \times (5 \times 5 + 5)) + ((5 + 5)/5))$
:= $6 + ((66 \times ((6 + 6) \times (6 + 6) + 6)) + 6)$
:= $(77 + 7) \times (777/7 + 7)$
:= $(8 - 8/8) \times (88 \times (8 + 8) + 8)$
:= $99 \times 99 + 999/9$
- 9913 := $1 + (111 + ((11 \times (11 - 1 - 1))^{1+1}))$
:= $2 + ((22 \times ((2 \times (222 + 2)) + 2)) + 22/2)$
:= $3 + ((3 \times ((3333 - 33) + 3)) + 3/3)$
:= $4 + (((44 - 4) \times (4^4 - 4 - 4)) - 44/4)$
:= $((5 + 5)^{5-5/5}) - (((5 + 5)/5)^5 + 55)$
:= $6 + (((66 \times ((6 + 6) \times (6 + 6) + 6)) + 6/6) + 6)$
:= $7/7 + ((77 + 7) \times (777/7 + 7))$
:= $8/8 + (8888 + 8 \times 8 \times (8 + 8))$
:= $99 \times 99 + ((999 + 9)/9)$
- 9914 := $1 + (1 + (111 + ((11 \times (11 - 1 - 1))^{1+1})))$
:= $2 + (2 \times (2 \times (2222 + 2^{2 \times (2+2)})))$
:= $(3 \times (3333 - 3^3)) - (3/3 + 3)$
:= $((44 - 4) \times (4^4 - 4 - 4)) - ((4 + 4)/4 + 4)$
:= $5 + (((55/5 + 5) \times ((5^5 - 5)/5 - 5)) + 5)$
:= $6 + (((66 \times ((6 + 6) \times (6 + 6) + 6)) + ((6 + 6)/6)) + 6)$
:= $7 + (((7 + 7)/7)^7 \times (7/7 + 77)) - 77$
:= $(8 + 8)/8 + (8888 + 8 \times 8 \times (8 + 8))$
:= $99 \times 99 + ((999 + 9 + 9)/9)$
- 9915 := $1 + (1 + (1 + (111 + ((11 \times (11 - 1 - 1))^{1+1}))))$
:= $2 + (((22 \times ((2 \times (222 + 2)) + 2)) + 22/2) + 2)$
:= $(3 \times (3333 - 3^3)) - 3$
:= $((44 - 4)/4)^4 - ((4 - 4/4)^4 + 4)$
:= $((55/5 + 5) \times (5^5/5 - 5)) - 5$
:= $66 + ((66 + 6/6) \times (666/6 + 6 \times 6))$
:= $7777 + (((7 + 7 + 7)/7)^7 - 7 \times 7)$
:= $8 + (((88/8 + 8) \times ((8 \times 8 \times 8 + 8/8) + 8)) + 8)$
:= $9999 - (((9 + 9 + 9)/9) + 9 \times 9)$
- 9916 := $((11 - 1 - 1) \times (1 + (1 + (1111 - 11)))) - 1 - 1$
:= $2 \times ((2 \times (2222 + 2^{2 \times (2+2)})) + 2)$
:= $3/3 + ((3 \times (3333 - 3^3)) - 3)$
:= $((44 - 4) \times (4^4 - 4 - 4)) - 4$
:= $5 + ((55 \times (5 \times 5 \times 5 + 55)) + (55/5))$
:= $(66 + 6/6) \times ((666 + 6)/6 + 6 \times 6)$
:= $7 \times 7 + ((77 \times ((7 + 7)/7)^7) + (77/7))$
:= $8 + ((88/8 \times (((88 + 8)/8) + 888)) + 8)$
:= $9999 - (((9 + 9)/9) + 9 \times 9)$
- 9917 := $((11 - 1 - 1) \times (1 + (1 + (1111 - 11)))) - 1$
:= $(22^{2/2+2}) - (((2/2 + 2)^{2+2+2}) + 2)$
:= $(3 \times (3333 - 3^3)) - 3/3$
:= $4/4 + (((44 - 4) \times (4^4 - 4 - 4)) - 4)$
:= $5 + ((55 \times (5 \times 5 \times 5 + 55)) + ((55 + 5)/5))$
:= $6 + ((66 \times ((6 + 6) \times (6 + 6) + 6)) + (66/6))$
:= $7 + (((77 + 7) \times (777/7 + 7)) - ((7 + 7)/7))$
:= $8 + ((88/8 \times (888 - 8/8 + 8)) + 8 \times 8)$
:= $9999 - (9/9 + 9 \times 9)$

$$\begin{aligned}
\blacktriangleright 9918 &:= (11 - 1 - 1) \times (1 + (1 + (1111 - 11))) \\
&:= (2^{2+2} + 2) \times (((22 + 2/2)^2) + 22) \\
&:= 3 \times (3333 - 3^3) \\
&:= ((44 - 4) \times (4^4 - 4 - 4)) - (4 + 4)/4 \\
&:= ((55/5 + 5) \times (5^5/5 - 5)) - (5 + 5)/5 \\
&:= 6 + (((66 \times (6 + 6) \times (6 + 6) + 6)) + 6) + 6 \\
&:= 7 + (((77 + 7) \times (777/7 + 7)) - 7/7) \\
&:= (8/8 + 8) \times ((8888 - 8)/8 - 8) \\
&:= 9999 - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9919 &:= 1 + ((11 - 1 - 1) \times (1 + (1 + (1111 - 11)))) \\
&:= (22^{2/2+2}) - ((2/2 + 2)^{2+2+2}) \\
&:= 3/3 + (3 \times (3333 - 3^3)) \\
&:= ((44 - 4)/4)^4 - (4 - 4/4)^4 \\
&:= ((55/5 + 5) \times (5^5/5 - 5)) - 5/5 \\
&:= ((6 \times 6 - 66/6) \times (6 \times 66 + 6/6)) - 6 \\
&:= 7 + ((77 + 7) \times (777/7 + 7)) \\
&:= (8 - 8/8) \times ((88 \times (8 + 8) + 8/8) + 8) \\
&:= 9/9 + (9999 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9920 &:= ((1 + 11)^{1+1+1}) + ((1 + 1)^{1+1+11}) \\
&:= 2^{2+2} \times (((22 + 2)^2) + 2 \times 22) \\
&:= 3 + ((3 \times (3333 - 3^3)) - 3/3) \\
&:= (44 - 4) \times (4^4 - 4 - 4) \\
&:= (55/5 + 5) \times (5^5/5 - 5) \\
&:= ((6 + 6)/6)^6 \times ((6 + 6) \times (6 + 6) + (66/6)) \\
&:= 7 + (((77 + 7) \times (777/7 + 7)) + 7/7) \\
&:= 8 \times ((8 + 8) \times (8 \times 8 + 8) + 88) \\
&:= (9 + 9)/9 + (9999 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9921 &:= (11 \times (11 \times (1 + (11 - 1 - 1)^{1+1}))) - 1 \\
&:= (22^2 - 2)/2 + (22^2 \times (22 - 2)) \\
&:= 3 + (3 \times (3333 - 3^3)) \\
&:= 4/4 + ((44 - 4) \times (4^4 - 4 - 4)) \\
&:= 5/5 + ((55/5 + 5) \times (5^5/5 - 5)) \\
&:= (6 \times (6 - 6 \times 6)) + (666666/66) \\
&:= 7 + (((((7 + 7)/7)^7 \times (7/7 + 77)) - 77) + 7) \\
&:= 8/8 + (8 \times ((8 + 8) \times (8 \times 8 + 8) + 88)) \\
&:= 9 + (99 \times 99 + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9922 &:= 11 \times (11 \times (1 + (11 - 1 - 1)^{1+1})) \\
&:= 22 + (22 \times ((2 \times (222 + 2)) + 2)) \\
&:= 3 + ((3 \times (3333 - 3^3)) + 3/3) \\
&:= (4 + 4)/4 + ((44 - 4) \times (4^4 - 4 - 4)) \\
&:= (5 + 5)/5 + ((55/5 + 5) \times (5^5/5 - 5)) \\
&:= 6 + ((66 + 6/6) \times ((666 + 6)/6 + 6 \times 6)) \\
&:= 77 + ((77 \times ((7 + 7)/7)^7) - (77/7)) \\
&:= (8 + 8)/8 + (8 \times ((8 + 8) \times (8 \times 8 + 8) + 88)) \\
&:= 99/9 \times ((99/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9923 &:= 1 + (11 \times (11 \times (1 + (11 - 1 - 1)^{1+1}))) \\
&:= 222/2 + (22 \times (2 \times 222 + 2)) \\
&:= 3 + (((3 \times (3333 - 3^3)) - 3/3) + 3) \\
&:= 4 + (((44 - 4)/4)^4 - (4 - 4/4)^4) \\
&:= 5^5 + (55/5 \times ((5^5 - 5 - 5)/5 - 5)) \\
&:= 66666/6 - (66 \times (6 + 6 + 6)) \\
&:= (((77 - 7)/7)^{77/7-7}) - 77 \\
&:= 88/8 + (8888 + 8 \times 8 \times (8 + 8)) \\
&:= 99 \times 99 + (999 + 99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9924 &:= (1 + 11) \times ((1 + 1)^{11} - 11 \times 111) \\
&:= 2 \times ((2 \times (2 + 2 + 2)^2) - 222) \\
&:= 3 + ((3 \times (3333 - 3^3)) + 3) \\
&:= 4 + ((44 - 4) \times (4^4 - 4 - 4)) \\
&:= 5 + (((55/5 + 5) \times (5^5/5 - 5)) - 5/5) \\
&:= (6 + 6) \times ((66 \times (6 + 6) - 6/6) + 6 \times 6) \\
&:= (77 + 7)/7 \times ((777 + 7 \times 7) + 7/7) \\
&:= 8 \times 888 + ((8 \times 8 \times 88 + 8)/(8 + 8)/8) \\
&:= 9 + (9999 - (((9 + 9 + 9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9925 &:= 1 + ((1 + 11) \times ((1 + 1)^{11} - 11 \times 111)) \\
&:= 2 + ((22 \times (2 \times 222 + 2)) + 222/2) \\
&:= (3 \times (3 + 3))^3 + ((3/3 + 3)^{3+3} - 3) \\
&:= 4 + (((44 - 4) \times (4^4 - 4 - 4)) + 4/4) \\
&:= 5 + ((55/5 + 5) \times (5^5/5 - 5)) \\
&:= (6 \times 6 - 66/6) \times (6 \times 66 + 6/6) \\
&:= 77 + ((77 \times ((7 + 7)/7)^7) - (7/7 + 7)) \\
&:= (88/8 \times ((888 - 8/8 + 8) + 8)) - 8 \\
&:= 9 + (9999 - (((9 + 9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9926 &:= 1 + (1 + ((1 + 11) \times ((1 + 1)^{11} - 11 \times 111))) \\
&:= 2 + ((22 \times ((22 - 2/2)^2)) + 222) \\
&:= 3 \times 3333 - (((3 + 3)^3 + 3)/3) \\
&:= 4 + (((44 - 4) \times (4^4 - 4 - 4)) + (4 + 4)/4) \\
&:= 5 + (((55/5 + 5) \times (5^5/5 - 5)) + 5/5) \\
&:= 6 + (((6 + 6)/6)^6 \times ((6 + 6) \times (6 + 6) + (66/6))) \\
&:= 77 + ((77 \times ((7 + 7)/7)^7) - 7) \\
&:= 8 + ((8/8 + 8) \times ((8888 - 8)/8 - 8)) \\
&:= 9 + (9999 - (9/9 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9927 &:= (11 - 1 - 1) \times (1 + (1 + (1 + (1111 - 11)))) \\
&:= (2/2 + 2)^2 \times (((2222/2) - 2 \times (2 + 2)) \\
&:= 3 \times ((3333 - 3^3) + 3) \\
&:= 4 + (((44 - 4)/4)^4 - (4 - 4/4)^4) + 4 \\
&:= 555 + ((5 - (5 + 5)/5) \times (5^5 - 5/5)) \\
&:= ((66/6) \times (666/6 + 66 \times (6 + 6))) - 6 \\
&:= 7/7 + (((77 \times ((7 + 7)/7)^7) - 7) + 77) \\
&:= (8/8 + 8) \times (8888/8 - 8) \\
&:= 9 + (9999 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9928 &:= 1 + ((11 - 1 - 1) \times (1 + (1 + (1 + (1111 - 11)))))) \\
&:= 2 \times (((2 \times (2 + 2 + 2)^2) - 222) + 2) \\
&:= (3 \times (3 + 3))^3 + (3/3 + 3)^{3+3} \\
&:= 4 + (((44 - 4) \times (4^4 - 4 - 4)) + 4) \\
&:= ((5 - 5^5)/(5 + 5)) + ((5 + 5) \times (5 - 5/5)^5) \\
&:= (((66 - 6)/6)^{6-(6+6)/6}) - (66 + 6) \\
&:= ((7 + 7)/7)^7 + ((7 + 7) \times (777 - 77)) \\
&:= 8 + (8 \times ((8 + 8) \times (8 \times 8 + 8) + 88)) \\
&:= 9 + ((9999 - 9 \times 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9929 &:= 11 + ((11 - 1 - 1) \times (1 + (1 + (1111 - 11)))) \\
&:= (2 \times 2^{2+2+2}) + (((22/2)^2 - 22)^2) \\
&:= 33/3 + (3 \times (3333 - 3^3)) \\
&:= 4 + (((44 - 4) \times (4^4 - 4 - 4)) + 4/4) + 4 \\
&:= ((55/5 + 5) \times (5^5 - 5)/5) - 55 \\
&:= (6 \times (6 \times (6 \times 6 \times 6 - 6 + 66))) - 6/6 - 6 \\
&:= (7 \times (7 \times ((7 + 7) \times (7 + 7) + 7))) - (77/7 + 7) \\
&:= 8 + ((8 \times ((8 + 8) \times (8 \times 8 + 8) + 88)) + 8/8) \\
&:= 99/9 + (9999 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9930 &:= (1 + 1) \times ((11 + ((1 + 11)^{1+1+1}))/((1 + 1 + 1))) \\
&:= 2 \times (22 \times 222 + (2/2 + 2)^{2+2}) \\
&:= 3 + (3 \times ((3333 - 3^3) + 3)) \\
&:= (44 - 4)/4 + ((44 - 4) \times (4^4 - 4 - 4)) \\
&:= 5^5 + ((555 + 5^5) + 5^5) \\
&:= (6 - 6/6) \times (66 \times (6 \times 6 - 6) + 6) \\
&:= 7 + (((77 - 7)/7)^{77/7-7}) - 77 \\
&:= 8 + ((8 \times ((8 + 8) \times (8 \times 8 + 8) + 88)) + ((8 + 8)/8)) \\
&:= 9 + ((99 \times 99 + 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9931 &:= (11 \times (11 \times (1 + 1 + 1)))^{1+1} - (1 + 1)^{11} \\
&:= ((2/2 - 22) \times (22/2 - 22^2)) - 2 \\
&:= 3 + ((3/3 + 3)^{3+3} + (3 \times (3 + 3))^3) \\
&:= 44/4 + ((44 - 4) \times (4^4 - 4 - 4)) \\
&:= ((55/5 + 5) \times ((5^5 + 5)/5 - 5)) - 5 \\
&:= 6 + ((6 \times 6 - 66/6) \times (6 \times 66 + 6/6)) \\
&:= 77 + ((77 \times ((7 + 7)/7)^7) - ((7 + 7)/7)) \\
&:= 8 \times 8 + (88/8 \times (888 + 8/8 + 8)) \\
&:= 9 + ((99/9) \times ((99/9) + 9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9932 &:= (11 \times ((1 + 1)^{11-1} - 11^{1+1})) - 1 \\
&:= 2 \times ((22 \times (222 + 2 + 2)) - (2 + 2 + 2)) \\
&:= 3 \times 3333 - (((3/3 + 3)^3) + 3) \\
&:= (4 \times (4 \times ((4/4 + 4)^4 - 4))) - 4 \\
&:= ((5 + 5)/5)^5 + (55 \times (5 \times 5 \times 5 + 55)) \\
&:= (6 + 6)/6 + ((6 - 6/6) \times (66 \times (6 \times 6 - 6) + 6)) \\
&:= 77 + ((77 \times ((7 + 7)/7)^7) - 7/7) \\
&:= ((88 + 8)/8) + (8 \times ((8 + 8) \times (8 \times 8 + 8) + 88)) \\
&:= 9 + ((999 + 99)/9 + 99 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9933 &:= 11 \times ((1+1)^{11-1} - 11^{1+1}) \\
&:= (2/2 - 22) \times (22/2 - 22^2) \\
&:= 33 + (3 \times (3333 - 33)) \\
&:= 4/4 + ((4 \times (4 \times ((4/4 + 4)^4 - 4))) - 4) \\
&:= 555 + ((5 - (5+5)/5) \times (5^5 + 5/5)) \\
&:= 66/6 \times (666/6 + 66 \times (6+6)) \\
&:= 77 + (77 \times ((7+7)/7)^7) \\
&:= 88/8 \times ((888 - 8/8 + 8) + 8) \\
&:= 99/9 \times ((99+9)/9 + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9934 &:= 1 + (11 \times ((1+1)^{11-1} - 11^{1+1})) \\
&:= (2 \times 22)^2 + ((22 - 2)^{2/2+2} - 2) \\
&:= 3 + (((3/3 + 3)^{3+3} + (3 \times (3+3))^3) + 3) \\
&:= ((44 - 4)/4)^4 - ((4^4 + 4 + 4)/4) \\
&:= 5^5 + (55/5 \times ((5^5 - 5)/5 - 5)) \\
&:= (((66 - 6)/6)^{6-(6+6)/6}) - 66 \\
&:= 7/7 + ((77 \times ((7+7)/7)^7) + 77) \\
&:= 8 + (((8/8 + 8) \times ((8888 - 8)/8 - 8)) + 8) \\
&:= 9 + ((9999 - ((9+9)/9) + 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9935 &:= 1 + (1 + (11 \times ((1+1)^{11-1} - 11^{1+1}))) \\
&:= 2 + ((2/2 - 22) \times (22/2 - 22^2)) \\
&:= 3 \times 3333 - ((3/3 + 3)^3) \\
&:= ((44 - 4)/4)^4 - (4^4 + 4)/4 \\
&:= ((5+5)^{5-5/5}) - (55 + 5 + 5) \\
&:= (6 \times (6 \times (6 \times 6 \times 6 - 6 + 66))) - 6/6 \\
&:= (((7+7)/7)^7 \times (7/7 + 77)) - 7 \times 7 \\
&:= 8 + ((8/8 + 8) \times (8888/8 - 8)) \\
&:= 9 + ((9999 - (9/9 + 9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9936 &:= (1 + 1 + 1) \times ((1+11)^{1+1} \times (1 + (11 + 11))) \\
&:= 2 \times (2 \times (22 \times (222/2 + 2) - 2)) \\
&:= 3 \times (((3333 - 3^3) + 3) + 3) \\
&:= 4 \times (4 \times ((4/4 + 4)^4 - 4)) \\
&:= (55/5 + 5) \times ((5^5 + 5)/5 - 5) \\
&:= 6 \times (6 \times (6 \times 6 \times 6 - 6 + 66)) \\
&:= ((7+7)/7 + 7) \times (7777/7 - 7) \\
&:= (88 \times ((888 + 8 + 8)/8)) - 8 \\
&:= 9 + ((9999 - 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9937 &:= 1 + ((1+1+1) \times ((1+11)^{1+1} \times (1 + (11 + 11)))) \\
&:= ((22/2 + 2)^2) + (2 \times 22 \times 222) \\
&:= 3 \times 3 + ((3/3 + 3)^{3+3} + (3 \times (3+3))^3) \\
&:= 4/4 + (4 \times (4 \times ((4/4 + 4)^4 - 4))) \\
&:= 5/5 + ((55/5 + 5) \times ((5^5 + 5)/5 - 5)) \\
&:= 6/6 + (6 \times (6 \times (6 \times 6 \times 6 - 6 + 66))) \\
&:= ((7 - 77)/7) + (7 \times (7 \times ((7+7) \times (7+7) + 7))) \\
&:= (88/8 + 8) \times (8 \times 8 \times 8 + 88/8) \\
&:= 9 + (((9999 - 9 \times 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9938 &:= 1 + (1 + ((1+1+1) \times ((1+11)^{1+1} \times (1 + (11 + 11)))) \\
&:= (2 \times ((22 \times (222 + 2 + 2)) - 2)) - 2 \\
&:= 3 + (3 \times 3333 - ((3/3 + 3)^3)) \\
&:= (4 + 4)/4 + (4 \times (4 \times ((4/4 + 4)^4 - 4))) \\
&:= ((5+5)^{5-5/5}) + ((5 - 5^5/5)/5 + 5) \\
&:= (6+6)/6 + (6 \times (6 \times (6 \times 6 \times 6 - 6 + 66))) \\
&:= (7 \times (7 \times ((7+7) \times (7+7) + 7))) - ((7+7)/7 + 7) \\
&:= 8/8 + ((88/8 + 8) \times (8 \times 8 \times 8 + 88/8)) \\
&:= 9 + ((9999 - 9 \times 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9939 &:= (1 + 1 + 1) \times (1 + ((1+11)^{1+1} \times (1 + (11 + 11)))) \\
&:= (2 \times ((22 \times (222 + 2 + 2)) - 2)) - 2/2 \\
&:= 3 \times 3333 - (3^3 + 33) \\
&:= 4 + (((44 - 4)/4)^4 - (4^4 + 4)/4) \\
&:= ((5+5)^{5-5/5}) - ((55 + 5)/5 + 5) \\
&:= 6 + ((66/6) \times (666/6 + 66 \times (6+6))) \\
&:= (7 \times (7 \times ((7+7) \times (7+7) + 7))) - (7/7 + 7) \\
&:= 8 + ((88/8 \times (888 + 8/8 + 8)) + 8 \times 8) \\
&:= 9 + (((99 \times 99 + 999/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9940 &:= (111 \times (111 - 1 - 1 - 1)) - (1 + 1)^{11} \\
&:= 2 \times ((22 \times (222 + 2 + 2)) - 2) \\
&:= 3/3 + (3 \times 3333 - (3^3 + 33)) \\
&:= 4 + (4 \times (4 \times ((4/4 + 4)^4 - 4))) \\
&:= ((5+5)^{5-5/5}) - 55 - 5 \\
&:= 6 + (((66 - 6)/6)^{6-(6+6)/6}) - 66 \\
&:= (7 \times (7 \times ((7+7) \times (7+7) + 7))) - 7 \\
&:= (8 - 8/8) \times (((88 + 8)/8) + 88 \times (8 + 8)) \\
&:= 9 + (((99/9) \times ((99/9) + 9 \times 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9941 &:= ((111 - 1)^{1+1}) - (111 + (1 + 1)^{11}) \\
&:= 2/2 + (2 \times ((22 \times (222 + 2 + 2)) - 2)) \\
&:= 3 + ((3 \times 3333 - ((3/3 + 3)^3) + 3) \\
&:= 4 + ((4 \times (4 \times ((4/4 + 4)^4 - 4))) + 4/4) \\
&:= 5 + ((55/5 + 5) \times ((5^5 + 5)/5 - 5)) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6 + 66))) - 6/6) \\
&:= 7/7 + ((7 \times (7 \times ((7+7) \times (7+7) + 7))) - 7) \\
&:= 8 + (88/8 \times ((888 - 8/8 + 8) + 8)) \\
&:= 9999 + (((9 - 9 \times 99)/(9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9942 &:= ((111 - 1) \times (111 - 1 - 1)) - (1 + 1)^{11} \\
&:= (2 \times (22 \times (222 + 2 + 2))) - 2 \\
&:= (3 \times (3333 - (3 \times (3 + 3)))) - 3 \\
&:= 4 + ((4 \times (4 \times ((4/4 + 4)^4 - 4))) + (4 + 4)/4) \\
&:= (5 + 5)/5 + (((5 + 5)^{5-5/5}) - (55 + 5)) \\
&:= 6 + (6 \times (6 \times (6 \times 6 \times 6 - 6 + 66))) \\
&:= 7 + (((7 + 7)/7)^7 \times (7/7 + 77)) - 7 \times 7 \\
&:= (88 \times ((888 + 8 + 8)/8)) - (8 + 8)/8 \\
&:= 9 + ((99/9) \times ((99 + 9)/9 + 9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9943 &:= (11 \times (1 + ((1+1)^{11-1} - 11^{1+1}))) - 1 \\
&:= (2 \times (22 \times (222 + 2 + 2))) - 2/2 \\
&:= 3/3 + ((3 \times (3333 - (3 \times (3 + 3)))) - 3) \\
&:= 4 + (((44 - 4)/4)^4 - (4^4 + 4)/4 + 4) \\
&:= ((5+5)^{5-5/5}) - ((5+5)/5 + 55) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6 + 66))) + 6/6) \\
&:= 7 + (((7+7)/7 + 7) \times (7777/7 - 7)) \\
&:= 8 \times 8 + ((8/8 + 88) \times 888/8) \\
&:= 9999 - ((999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9944 &:= 11 \times (1 + ((1+1)^{11-1} - 11^{1+1})) \\
&:= 2 \times (22 \times (222 + 2 + 2)) \\
&:= (3 \times (3333 + 3)) - ((3/3 + 3)^3) \\
&:= 4 + ((4 \times (4 \times ((4/4 + 4)^4 - 4))) + 4) \\
&:= ((5+5)^{5-5/5}) - (55 + 5/5) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6 + 66))) + ((6+6)/6)) \\
&:= 77 + ((77 \times ((7+7)/7)^7) + (77/7)) \\
&:= 88 \times ((888 + 8 + 8)/8) \\
&:= 9999 + ((9 - 999)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9945 &:= 1 + (11 \times (1 + ((1+1)^{11-1} - 11^{1+1}))) \\
&:= 2/2 + (2 \times (22 \times (222 + 2 + 2))) \\
&:= 3 \times (3333 - (3 \times (3 + 3))) \\
&:= (4^4 - 4/4) \times (44 - (4/4 + 4)) \\
&:= ((5+5)^{5-5/5}) - 55 \\
&:= (6/6 + 6 + 6) \times (((6 \times 6)/(6 + 6))^6) + 6 \times 6 \\
&:= (7 \times (7 \times ((7+7) \times (7+7) + 7))) - (7 + 7)/7 \\
&:= 8/8 + (88 \times ((888 + 8 + 8)/8)) \\
&:= 9 + (((9999 - 9 \times 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9946 &:= 1 + (1 + (11 \times (1 + ((1+1)^{11-1} - 11^{1+1})))) \\
&:= 2 + (2 \times (22 \times (222 + 2 + 2))) \\
&:= 3/3 + (3 \times (3333 - (3 \times (3 + 3)))) \\
&:= 4/4 + ((4^4 - 4/4) \times (44 - (4/4 + 4))) \\
&:= 5/5 + (((5+5)^{5-5/5}) - 55) \\
&:= 6 + (((66 - 6)/6)^{6-(6+6)/6}) - 66 + 6 \\
&:= (7 \times (7 \times ((7+7) \times (7+7) + 7))) - 7/7 \\
&:= (8 + 8)/8 + (88 \times ((888 + 8 + 8)/8)) \\
&:= 9 + (((9999 - 9 \times 9) + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9947 &:= 111 + (((1+1+1)^{11-1-1}) - 11)/(1 + 1) \\
&:= 2 + ((2 \times (22 \times (222 + 2 + 2))) + 2/2) \\
&:= ((3^3 - 3/3) + 3) \times ((3/3 + 3 + 3)^3) \\
&:= 44/4 + (4 \times (4 \times ((4/4 + 4)^4 - 4))) \\
&:= (5 + 5)/5 + (((5 + 5)^{5-5/5}) - 55) \\
&:= 66/6 + (6 \times (6 \times (6 \times 6 \times 6 - 6 + 66))) \\
&:= 7 \times (7 \times ((7+7) \times (7+7) + 7)) \\
&:= (88/8 \times ((888 + 8/8 + 8) + 8)) - 8 \\
&:= 9 + (((9999 - 9 \times 9) + (99/9)) + 9)
\end{aligned}$$

- 9948 := $(1+1) \times ((1+1) \times (1 + ((1+1) \times (11 \times (1+1+111))))$)
:= $2 \times ((22 \times (222+2+2)) + 2)$
:= $3 + (3 \times (3333 - (3 \times (3+3))))$
:= $((44-4)/4)^4 - (44+4+4)$
:= $5 + (((5+5)^{5-5/5}) - ((5+5)/5 + 55))$
:= $6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6 + 66))) + 6)$
:= $7/7 + (7 \times (7 \times ((7+7) \times (7+7) + 7)))$
:= $8 + ((8-8/8) \times ((88+8)/8) + 88 \times (8+8))$
:= $999/9 + (9999 - 9 \times (9+9))$
- 9949 := $1 + ((1+1) \times ((1+1) \times (1 + ((1+1) \times (11 \times (1+1+111))))$)
:= $2/2 + (2 \times ((22 \times (222+2+2)) + 2))$
:= $3 + ((3 \times (3333 - (3 \times (3+3)))) + 3/3)$
:= $4 + ((4^4 - 4/4) \times (44 - (4/4 + 4)))$
:= $5 + (((5+5)^{5-5/5}) - (55+5/5))$
:= $6 + (((6 \times (6 \times (6 \times 6 \times 6 - 6 + 66))) + 6/6) + 6)$
:= $(7+7)/7 + (7 \times (7 \times ((7+7) \times (7+7) + 7)))$
:= $8 + ((88/8 \times ((888 - 8/8 + 8) + 8)) + 8)$
:= $9999 - ((9 \times 99 + 9)/(9+9))$
- 9950 := $(11-1) \times ((11-1)^{1+1+1} - (1 + (1+1+1+1)))$
:= $2 + (2 \times ((22 \times (222+2+2)) + 2))$
:= $3 + (((3^3 - 3/3) + 3) \times ((3/3 + 3 + 3)^3))$
:= $((44-4)/4)^4 - (((4+4)/4 + 44) + 4)$
:= $5 + (((5+5)^{5-5/5}) - 55)$
:= $(6 \times 6 - 66/6) \times (((6+6)/6) + 6 \times 66)$
:= $7777 + (((7+7+7)/7)^7 - (7+7))$
:= $8 + ((88 \times ((888+8+8)/8)) - ((8+8)/8))$
:= $9999 + ((9-9 \times 99)/(9+9))$
- 9951 := $111 + (((((1+1+1)^{11-1-1}) - 1)/(1+1)) - 1)$
:= $2 + ((2 \times ((22 \times (222+2+2)) + 2)) + 2/2)$
:= $33 + (3 \times (3333 - 3^3))$
:= $((44-4)/4)^4 - ((44+4/4) + 4)$
:= $5 + (((5+5)^{5-5/5}) - 55) + 5/5$
:= $6 + ((6/6 + 6 + 6) \times (((6 \times 6/(6+6))^6) + 6 \times 6))$
:= $((77-7)/7)^{77/7-7} - 7 \times 7$
:= $8 + (((8/8 + 88) \times 888/8) + 8 \times 8)$
:= $9 \times (9+9) + (99 \times 99 - (99+9)/9)$
- 9952 := $111 + (((((1+1+1)^{11-1-1}) - 1)/(1+1))$
:= $2 \times (((22 \times (222+2+2)) + 2) + 2)$
:= $3/3 + ((3 \times (3333 - 3^3)) + 33)$
:= $4 \times ((4 \times ((4/4 + 4)^4 - 4)) + 4)$
:= $(55/5 + 5) \times ((5^5 + 5 + 5)/5 - 5)$
:= $((66-6)/6)^{6-(6+6)/6} - (6 \times 6 + 6 + 6)$
:= $7 + ((7 \times (7 \times ((7+7) \times (7+7) + 7))) - ((7+7)/7))$
:= $8 + (88 \times ((888+8+8)/8))$
:= $9 \times (9+9) + (99 \times 99 - (99/9))$
- 9953 := $111 + (((1+1+1+1)^{11-1-1})/(1+1))$
:= $2/2 + (2 \times (((22 \times (222+2+2)) + 2) + 2))$
:= $(3 \times (3333 - 3)) - (3/3 + 33 + 3)$
:= $4/4 + (4 \times ((4 \times ((4/4 + 4)^4 - 4)) + 4))$
:= $((5+5)/5)^5 + 5 \times (5 \times 55 - (5/5 + 5))$
:= $6 + ((6 \times (6 \times (6 \times 6 \times 6 - 6 + 66))) + (66/6))$
:= $7 + ((7 \times (7 \times ((7+7) \times (7+7) + 7))) - 7/7)$
:= $8 + ((88 \times ((888+8+8)/8)) + 8/8)$
:= $9 \times (9+9) + (99 \times 99 - (9/9 + 9))$
- 9954 := $(11-1-1) \times (1111 - (1 + (1+1+1+1)))$
:= $(2 \times (2+2) + 2)^{2+2} - (2 \times 22 + 2)$
:= $3 \times ((3333 - (3 \times (3+3))) + 3)$
:= $((44-4)/4)^4 - ((4+4)/4 + 44)$
:= $(5-5/5+5) \times (5555/5-5)$
:= $666 + 6 \times 6 \times (6 \times (6 \times 6 + 6) + 6)$
:= $7 + (7 \times (7 \times ((7+7) \times (7+7) + 7)))$
:= $((8-(8+8)/8) + 8) \times ((8 \times 88 - 8/8) + 8)$
:= $9 \times (9+9) + (99 \times 99 - 9)$
- 9955 := $11 \times (1 + (1 + ((1+1)^{11-1} - 11^{1+1})))$
:= $22/2 + (2 \times (22 \times (222+2+2)))$
:= $3 \times 3333 - (33/3 + 33)$
:= $((44-4)/4)^4 - (44 + 4/4)$
:= $5 + (((5+5)^{5-5/5}) - 55) + 5$
:= $(6-6/6) \times (66 \times (6 \times 6 - 6) + (66/6))$
:= $7 + ((7 \times (7 \times ((7+7) \times (7+7) + 7))) + 7/7)$
:= $88/8 \times ((888+8/8+8) + 8)$
:= $9/9 + ((99 \times 99 - 9) + 9 \times (9+9))$
- 9956 := $((11-1)^{1+1+1+1}) - ((1+1) \times (11+11))$
:= $(2 \times (2+2) + 2)^{2+2} - (2 \times 22)$
:= $(3 \times (3333 - 3)) - 3/3 - 33$
:= $((44-4)/4)^4 - 44$
:= $5^5 + (55/5 \times ((5^5 + 5)/5 - 5))$
:= $6 + ((6 \times 6 - 66/6) \times (((6+6)/6) + 6 \times 66))$
:= $7 + ((7 \times (7 \times ((7+7) \times (7+7) + 7))) + ((7+7)/7))$
:= $(88/8 + 8) \times (((88+8)/8) + 8 \times 8 \times 8)$
:= $(9+9)/9 + ((99 \times 99 - 9) + 9 \times (9+9))$
- 9957 := $(1+1+1) \times (((1+1+1) \times (1111-1)) - 11)$
:= $2/2 + ((2 \times (2+2) + 2)^{2+2} - (2 \times 22))$
:= $(3 \times (3333 - 3)) - 33$
:= $4/4 + (((44-4)/4)^4 - 44)$
:= $5 + ((55/5 + 5) \times ((5^5 + 5 + 5)/5 - 5))$
:= $(6^{6-6/6}) + ((66 \times 66 + 6)/(6+6)/6)$
:= $7777 + (((7+7+7)/7)^7 - 7)$
:= $(88+8) \times (88+8+8) - (88/8+8+8)$
:= $9999 - ((99/((9+9+9)/9)) + 9)$
- 9958 := $1 + ((1+1+1) \times (((1+1+1) \times (1111-1)) - 11))$
:= $2 + ((2 \times (2+2) + 2)^{2+2} - (2 \times 22))$
:= $3/3 + ((3 \times (3333 - 3)) - 33)$
:= $(4+4)/4 + (((44-4)/4)^4 - 44)$
:= $((5+5)^{5-5/5}) - (((5+5)/5)^5 + 5) + 5$
:= $((66-6)/6)^{6-(6+6)/6} - (6 \times 6 + 6)$
:= $77/7 + (7 \times (7 \times ((7+7) \times (7+7) + 7)))$
:= $88 + ((8-8/8) \times (88 \times (8+8) + ((8+8)/8)))$
:= $9999 - ((9 \times 9 \times 9 + 9)/(9+9))$
- 9959 := $(1 + (11+11)) \times (1 + ((1+1+1) \times (1+11)^{1+1}))$
:= $(22+2/2) \times (2 \times 222 - 22/2)$
:= $((3^3 + 3) \times (333 - 3/3)) - 3/3$
:= $4 + ((44-4)/4)^4 - (44 + 4/4)$
:= $((55/5 + 5) \times (5^5 - 5)/5) - 5 \times 5$
:= $((66/6 + 6) + 6) \times ((6 \times (66+6)) + 6/6)$
:= $(77+7)/7 + (7 \times (7 \times ((7+7) \times (7+7) + 7)))$
:= $88 + (((8/8 + 88) \times 888/8) - 8)$
:= $9999 + ((9-9 \times 9 \times 9)/(9+9))$
- 9960 := $(11-1) \times ((1+1+1) \times ((1+1+1) \times 111 - 1))$
:= $(2-22) \times (2 - (2^{2+2} + 22^2))$
:= $(3^3 + 3) \times (333 - 3/3)$
:= $4 + (((44-4)/4)^4 - 44)$
:= $(55+5) \times (555/5+55)$
:= $66 + ((66 \times ((6+6) \times (6+6) + 6)) - 6)$
:= $7 + (((7 \times (7 \times ((7+7) \times (7+7) + 7))) - 7/7) + 7)$
:= $8 + ((88 \times ((888+8+8)/8)) + 8)$
:= $(9/9+9) \times (999 - ((9+9+9)/9))$
- 9961 := $((11-1-1) \times (1111 - (1+1+1))) - 11$
:= $((2/2+2)^{2+2} \times ((22/2)^2 + 2)) - 2$
:= $3/3 + ((3^3 + 3) \times (333 - 3/3))$
:= $4 + (((44-4)/4)^4 - 44) + 4/4$
:= $((55/5+5) \times (5^5+5)/5) - 55$
:= $6 + ((6-6/6) \times (66 \times (6 \times 6 - 6) + (66/6)))$
:= $7 + ((7 \times (7 \times ((7+7) \times (7+7) + 7))) + 7)$
:= $(8-8/8) \times (((88 \times (8+8) - 8/8) + 8) + 8)$
:= $9 \times (9+9) + (99 \times 99 - ((9+9)/9))$
- 9962 := $((11-1-1) \times (1111 - (1+1+1+1))) - 1$
:= $2 + ((2 \times (2+2) + 2)^{2+2} + (2 \times (2-22)))$
:= $3 \times 3333 - (3/3 + 33 + 3)$
:= $4 + (((44-4)/4)^4 - 44) + (4+4)/4$
:= $5 + (((55/5+5) \times ((5^5+5+5)/5-5)) + 5)$
:= $6 + (((6 \times 6 - 66/6) \times (((6+6)/6) + 6 \times 66)) + 6)$
:= $7 + (((7 \times (7 \times ((7+7) \times (7+7) + 7))) + 7/7) + 7)$
:= $8 + (((8-(8+8)/8) + 8) \times ((8 \times 88 - 8/8) + 8))$
:= $9 \times (9+9) + (99 \times 99 - 9/9)$

$$\begin{aligned}
\blacktriangleright 9963 &:= (11 - 1 - 1) \times (1111 - (1 + 1 + 1 + 1)) \\
&:= (2/2 + 2)^{2+2} \times ((22/2)^2 + 2) \\
&:= 3 \times (3333 - (3 \times 3 + 3)) \\
&:= (4/4 + 4 + 4) \times (4444/4 - 4) \\
&:= ((5 + 5)^{5-5/5}) - (((5 + 5)/5)^5 + 5) \\
&:= (6^{6-6/6}) + ((6 \times 6 / (6 + 6))^{6/6+6}) \\
&:= 7777 + (((7 + 7 + 7)/7)^7 - 7/7) \\
&:= 8 + (88/8 \times ((888 + 8/8 + 8) + 8)) \\
&:= 9 \times (999 + 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9964 &:= 1 + ((11 - 1 - 1) \times (1111 - (1 + 1 + 1 + 1))) \\
&:= 2222 + ((2 \times 2 \times 22)^2 - 2) \\
&:= 3/3 + (3 \times (3333 - (3 \times 3 + 3))) \\
&:= 4 + (((44 - 4)/4)^4 - 44) + 4 \\
&:= ((5 + 5)^{5-5/5}) - (55/5 + 5 \times 5) \\
&:= (((66 - 6)/6)^{6-(6+6)/6}) - 6 \times 6 \\
&:= 7777 + ((7 + 7 + 7)/7)^7 \\
&:= 8 + ((88/8 + 8) \times (((88 + 8)/8) + 8 \times 8 \times 8)) \\
&:= 9/9 + (99 \times 99 + 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9965 &:= ((1 + 1 + 1) \times (((1 + 1 + 1) \times 1111) - 11)) - 1 \\
&:= 2 + ((2/2 + 2)^{2+2} \times ((22/2)^2 + 2)) \\
&:= 3 \times 3333 - 3/3 - 33 \\
&:= 4 + (((44 - 4)/4)^4 - 44) + 4/4 + 4 \\
&:= 5 \times (((5 + 5)/5)^{55/5}) - 55 \\
&:= 66 + ((66 \times ((6 + 6) \times (6 + 6) + 6)) - 6/6) \\
&:= 7 + ((7 \times (7 \times ((7 + 7) \times (7 + 7) + 7))) + (77/7)) \\
&:= (88 + 8) \times (88 + 8 + 8) - (88/8 + 8) \\
&:= (9 + 9)/9 + (99 \times 99 + 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9966 &:= (1 + 1 + 1) \times (((1 + 1 + 1) \times 1111) - 11) \\
&:= 2222 + (2 \times 2 \times 22)^2 \\
&:= 3 \times 3333 - 33 \\
&:= (44 - 4)/4 + (((44 - 4)/4)^4 - 44) \\
&:= 5 + (((55/5 + 5) \times (5^5 + 5)/5) - 55) \\
&:= 66 + (66 \times ((6 + 6) \times (6 + 6) + 6)) \\
&:= (777 - 7)/7 + (77 \times ((7 + 7)/7)^7) \\
&:= 88/8 \times (((888 + ((8 + 8)/8)) + 8) + 8) \\
&:= 9999 - (99/(9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9967 &:= ((11 - 1)^{1+1+1+1}) - (11 \times (1 + 1 + 1)) \\
&:= 2/2 + ((2 \times 2 \times 22)^2 + 2222) \\
&:= 3/3 + (3 \times 3333 - 33) \\
&:= 44/4 + (((44 - 4)/4)^4 - 44) \\
&:= 5^5 + (55/5 \times ((5^5 + 5 + 5)/5 - 5)) \\
&:= 66 + ((66 \times ((6 + 6) \times (6 + 6) + 6)) + 6/6) \\
&:= 777/7 + (77 \times ((7 + 7)/7)^7) \\
&:= 88 + ((8/8 + 88) \times 888/8) \\
&:= 9 + (9999 - ((9 \times 9 \times 9 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9968 &:= (1 + 111) \times (111 - 11 - 11) \\
&:= 2 + ((2 \times 2 \times 22)^2 + 2222) \\
&:= 3 + (3 \times 3333 - (3/3 + 33)) \\
&:= 4 \times (4^4 \times (4 + 4) + 444) \\
&:= (55/5 + 5) \times (5^5 - 5 - 5)/5 \\
&:= 66 + ((66 \times ((6 + 6) \times (6 + 6) + 6)) + ((6 + 6)/6)) \\
&:= 7 + (((7 \times (7 \times ((7 + 7) \times (7 + 7) + 7))) + 7) + 7) \\
&:= (8 + 8) \times (888/8 + 8 \times 8 \times 8) \\
&:= 9999 - (((99 + 99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9969 &:= 1 + ((1 + 111) \times (111 - 11 - 11)) \\
&:= 2^{22/2} + ((2 \times 2 \times 22 + 2/2)^2) \\
&:= 3 + (3 \times 3333 - 33) \\
&:= 4/4 + (4 \times (4^4 \times (4 + 4) + 444)) \\
&:= ((5 + 5)^{5-5/5}) - ((5 \times 5 + 5/5) + 5) \\
&:= 6 + (((6 \times 6 / (6 + 6))^{6/6+6}) + (6^{6-6/6})) \\
&:= 7 + (((7 \times (7 \times ((7 + 7) \times (7 + 7) + 7))) + 7/7) + 7) + 7 \\
&:= 8/8 + ((8 + 8) \times (888/8 + 8 \times 8 \times 8)) \\
&:= 9 \times 9 + (9999 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9970 &:= (11 - 1) \times ((11 - 1)^{1+1+1} - (1 + 1 + 1)) \\
&:= 2 + (((2 \times 2 \times 22)^2 + 2222) + 2) \\
&:= 3 + ((3 \times 3333 - 33) + 3/3) \\
&:= (4 + 4)/4 + (4 \times (4^4 \times (4 + 4) + 444)) \\
&:= ((5 + 5)^{5-5/5}) - (5 \times 5 + 5) \\
&:= 6 + (((66 - 6)/6)^{6-(6+6)/6}) - 6 \times 6 \\
&:= (((7 + 7)/7)^7 \times (7/7 + 77)) - (7 + 7) \\
&:= (8 + 8)/8 + ((8 + 8) \times (888/8 + 8 \times 8 \times 8)) \\
&:= (9/9 + 9) \times (999 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9971 &:= ((11 - 1 - 1) \times (1111 - (1 + 1 + 1))) - 1 \\
&:= 2 + (((2 \times 2 \times 22 + 2/2)^2) + 2^{22/2}) \\
&:= 3 \times 3333 - (3^3 + 3/3) \\
&:= 4 + (((44 - 4)/4)^4 - 44) + 44/4 \\
&:= 5/5 + (((5 + 5)^{5-5/5}) - (5 \times 5 + 5)) \\
&:= (6 \times ((6 \times (6 \times 6 \times 6 - 6 + 66)) + 6)) - 6/6 \\
&:= 7 + (((7 + 7 + 7)/7)^7 + 7777) \\
&:= (88 + 8 + 8)/8 \times (8 \times (88 + 8) - 8/8) \\
&:= 9999 - ((9/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9972 &:= (11 - 1 - 1) \times (1111 - (1 + 1 + 1)) \\
&:= (2^{2+2} + 2) \times (((22 + 2)^2) - 22) \\
&:= 3 \times (3333 - 3 \times 3) \\
&:= 4 + (4 \times (4^4 \times (4 + 4) + 444)) \\
&:= (5 + 5)/5 + (((5 + 5)^{5-5/5}) - (5 \times 5 + 5)) \\
&:= 6 \times ((6 \times (6 \times 6 \times 6 - 6 + 66)) + 6) \\
&:= (77/7 + 7) \times (((7 \times 77 + 7/7) + 7) + 7) \\
&:= (8/8 + 8) \times (((8888 - 88)/8) + 8) \\
&:= 9999 - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9973 &:= 1 + ((11 - 1 - 1) \times (1111 - (1 + 1 + 1))) \\
&:= 2/2 + ((2^{2+2} + 2) \times (((22 + 2)^2) - 22)) \\
&:= 3/3 + (3 \times (3333 - 3 \times 3)) \\
&:= ((44 - 4)/4)^4 - (44/4 + 4 \times 4) \\
&:= 5 + ((55/5 + 5) \times (5^5 - 5 - 5)/5) \\
&:= 6/6 + (6 \times ((6 \times (6 \times 6 \times 6 - 6 + 66)) + 6)) \\
&:= (777 \times (7 - 7/7 + 7)) - ((7 + 7)/7)^7 \\
&:= (88 + 8) \times (88 + 8 + 8) - 88/8 \\
&:= 9/9 + (9999 - (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9974 &:= 1 + (1 + ((11 - 1 - 1) \times (1111 - (1 + 1 + 1)))) \\
&:= (2 \times (2 + 2) + 2)^{2+2} - 22 - 2 - 2 \\
&:= 3 + (3 \times 3333 - (3^3 + 3/3)) \\
&:= (4 - 44)/4 + (4 \times ((4 \times (4/4 + 4)^4) - 4)) \\
&:= ((5 + 5)^{5-5/5}) - (5 \times 5 + 5/5) \\
&:= (6 + 6)/6 + (6 \times ((6 \times (6 \times 6 \times 6 - 6 + 66)) + 6)) \\
&:= 7 + ((77 \times ((7 + 7)/7)^7) + 777/7) \\
&:= (8 - 88)/8 + (88 + 8) \times (88 + 8 + 8) \\
&:= (9 + 9)/9 + (9999 - (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9975 &:= (1 + 1 + 1) \times (((1 + 1 + 1) \times (1 + 1111)) - 11) \\
&:= (2/2 - 22) \times (22/2 - (22^2 + 2)) \\
&:= 3 + (3 \times (3333 - 3 \times 3)) \\
&:= (44/4 + 4) \times (((4/4 + 4)^4 - 4) + 44) \\
&:= ((5 + 5)^{5-5/5}) - 5 \times 5 \\
&:= (6 - 6/6) \times ((6 \times 666 - 6)/(6 + 6)/6) \\
&:= 77 + (7 \times ((7 \times ((7 + 7) \times (7 + 7) + 7)) - 7)) \\
&:= (88 + 8) \times (88 + 8 + 8) - (8/8 + 8) \\
&:= 9 + (9999 - (99/(9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9976 &:= ((11 - 1)^{1+1+1+1}) - ((1 + 1) \times (1 + 11)) \\
&:= (2 \times (2 + 2) + 2)^{2+2} - 22 - 2 \\
&:= 3 + ((3 \times (3333 - 3 \times 3)) + 3/3) \\
&:= ((44 - 4)/4)^4 - ((4 \times 4 + 4) + 4) \\
&:= 5/5 + (((5 + 5)^{5-5/5}) - 5 \times 5) \\
&:= 6 + (((66 - 6)/6)^{6-(6+6)/6}) - 6 \times 6 + 6 \\
&:= (7 \times 7 \times 7 + 7/7) \times ((7/7 + 7 + 7 + 7) + 7) \\
&:= (88 + 8) \times (88 + 8 + 8) - 8 \\
&:= 9999 - (99 + 99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9977 &:= ((11 - 1)^{1+1+1+1}) - (1 + (11 + 11)) \\
&:= (2 \times (2 + 2) + 2)^{2+2} - 22 - 2/2 \\
&:= 33/3 + (3 \times 3333 - 33) \\
&:= 44 \times (4^4 - 4) - 4444/4 \\
&:= (5 + 5)/5 + (((5 + 5)^{5-5/5}) - 5 \times 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6 + 66)) + 6)) - 6/6) \\
&:= (((7 + 7)/7)^7 \times (7/7 + 77)) - 7 \\
&:= 8/8 + ((88 + 8) \times (88 + 8 + 8) - 8) \\
&:= 9999 - ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9978 &:= ((11-1)^{1+1+1+1}) - 11 - 11 \\
&:= (2 \times (2+2) + 2)^{2+2} - 22 \\
&:= (3 \times (3333 - (3+3))) - 3 \\
&:= ((44-4)/4)^4 - (44/((4+4)/4)) \\
&:= 5^5 + (55/5 \times (5^5 - 5 - 5)/5) \\
&:= 6 + (6 \times ((6 \times (6 \times 6 \times 6 - 6 + 66)) + 6)) \\
&:= 7 + (((7+7+7)/7)^7 + 7777) + 7 \\
&:= (8+8)/8 + ((88+8) \times (88+8+8) - 8) \\
&:= 9999 - ((99+9)/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9979 &:= ((11-1-1) \times (1111-1)) - 11 \\
&:= 2/2 + ((2 \times (2+2) + 2)^{2+2} - 22) \\
&:= (3 \times (3333-3)) - 33/3 \\
&:= ((44-4)/4)^4 - ((4 \times 4 + 4/4) + 4) \\
&:= ((55/5+5) \times (5^5-5)/5) - 5 \\
&:= 6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6 + 66)) + 6)) + 6/6) \\
&:= ((77-7)/7+7) \times (7 \times (77+7) - 7/7) \\
&:= (8/8+8+8) \times (8 \times (8 \times 8+8) + (88/8)) \\
&:= 9999 - (99/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9980 &:= (11-1) \times ((11-1)^{1+1+1} - (1+1)) \\
&:= 2 + ((2 \times (2+2) + 2)^{2+2} - 22) \\
&:= (3 \times (3333 - (3+3))) - 3/3 \\
&:= ((44-4)/4)^4 - 4 \times 4 - 4 \\
&:= 5 + (((5+5)^{5-5/5}) - 5 \times 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 6 \times 6 - 6 + 66)) + 6)) + ((6+6)/6)) \\
&:= 7 + ((777 \times (7-7/7+7)) - ((7+7)/7)^7) \\
&:= (88+8) \times (88+8+8) - 8 \times 8/(8+8) \\
&:= (9/9+9) \times (999-9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9981 &:= (11-1-1) \times (1111 - (1+1)) \\
&:= (2/2+2)^2 \times ((2222/2) - 2) \\
&:= 3 \times (3333 - (3+3)) \\
&:= 4/4 + (((44-4)/4)^4 - (4 \times 4 + 4)) \\
&:= 5 + (((5+5)^{5-5/5}) - 5 \times 5) + 5/5 \\
&:= 6 + ((6-6/6) \times ((6 \times 666-6)/(6+6)/6)) \\
&:= ((7+7)/7+7) \times ((7777-7-7)/7) \\
&:= (8/8+8) \times ((8888 - (8+8))/8) \\
&:= 9999 - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9982 &:= 1 + ((11-1-1) \times (1111 - (1+1))) \\
&:= 2 + (((2 \times (2+2) + 2)^{2+2} - 22) + 2) \\
&:= 3/3 + (3 \times (3333 - (3+3))) \\
&:= ((44-4)/4)^4 - ((4+4)/4 + 4 \times 4) \\
&:= 5 + (((5+5)^{5-5/5}) - 5 \times 5) + ((5+5)/5) \\
&:= (6 \times 6 \times 6 + 6/6) \times (((66-6)/6) + 6 \times 6) \\
&:= 77 + ((77 \times ((7+7)/7)^7) + 7 \times 7) \\
&:= (88+8) \times (88+8+8) - (8+8)/8 \\
&:= 9/9 + (9999 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9983 &:= 1 + (1 + ((11-1-1) \times (1111 - (1+1)))) \\
&:= 2 + ((2/2+2)^2 \times ((2222/2) - 2)) \\
&:= 3 + ((3 \times (3333 - (3+3))) - 3/3) \\
&:= ((44-4)/4)^4 - (4 \times 4 + 4/4) \\
&:= ((5+5)^{5-5/5}) - (((55+5)/5) + 5) \\
&:= (66+6/6) \times (((6+6) \times (6+6) - 6/6) + 6) \\
&:= (((7+7)/7)^7 \times (7/7+77)) - 7/7 \\
&:= (88+8) \times (88+8+8) - 8/8 \\
&:= (9+9)/9 + (9999 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9984 &:= (11 \times (1+1)^{11}) - ((1+111)^{1+1}) \\
&:= (2 \times (2+2) + 2)^{2+2} - 2^{2+2} \\
&:= 3 + (3 \times (3333 - (3+3))) \\
&:= 4 \times ((4 \times (4/4+4))^4) - 4 \\
&:= (55/5+5) \times (5^5-5)/5 \\
&:= (6+6) \times ((6/6+6+6) \times ((6+6)/6)^6) \\
&:= ((7+7)/7)^7 \times (7/7+77) \\
&:= (88+8) \times (88+8+8) \\
&:= 9999 + (((9+9+9)/9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9985 &:= 1 + ((11 \times (1+1)^{11}) - ((1+111)^{1+1})) \\
&:= 2/2 + ((2 \times (2+2) + 2)^{2+2} - 2^{2+2}) \\
&:= 3 \times 3333 - (33/3+3) \\
&:= 4/4 + (4 \times ((4 \times (4/4+4))^4) - 4) \\
&:= ((5+5)^{5-5/5}) - (5+5+5) \\
&:= 6/6 + ((6+6) \times ((6/6+6+6) \times ((6+6)/6)^6)) \\
&:= 7/7 + (((7+7)/7)^7 \times (7/7+77)) \\
&:= 8/8 + (88+8) \times (88+8+8) \\
&:= 9999 + (((9-99)/(9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9986 &:= ((11-1)^{1+1+1+1}) - 1 - 1 - 1 - 11 \\
&:= 2 + ((2 \times (2+2) + 2)^{2+2} - 2^{2+2}) \\
&:= (3 \times (3333-3)) - (3/3+3) \\
&:= (4+4)/4 + (4 \times ((4 \times (4/4+4))^4) - 4) \\
&:= 5/5 + (((5+5)^{5-5/5}) - (5+5+5)) \\
&:= 6 \times 6 + ((6 \times 6 - 66/6) \times (((6+6)/6) + 6 \times 66)) \\
&:= (((77-7)/7)^{7/7-7}) - (7+7) \\
&:= (8+8)/8 + (88+8) \times (88+8+8) \\
&:= 9999 - (99+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9987 &:= ((11-1)^{1+1+1+1}) - 1 - 1 - 11 \\
&:= (2 \times (2+2) + 2)^{2+2} - (22/2+2) \\
&:= (3 \times (3333-3)) - 3 \\
&:= 4 + (((44-4)/4)^4 - (4 \times 4 + 4/4)) \\
&:= ((5+5)^{5-5/5}) - (55+5+5)/5 \\
&:= (6 \times 6/(6+6)) \times ((6-6/6) \times 666-6/6) \\
&:= 7/7 + (((77-7)/7)^{7/7-7}) - (7+7) \\
&:= 88/8 + ((88+8) \times (88+8+8) - 8) \\
&:= 9999 - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9988 &:= ((11-1)^{1+1+1+1}) - 1 - 11 \\
&:= 22 \times ((2 \times (22+2+2)) + 2) \\
&:= 3 \times 3333 - 33/3 \\
&:= 4 + (4 \times ((4 \times (4/4+4))^4) - 4) \\
&:= ((5+5)^{5-5/5}) - (55+5)/5 \\
&:= (((66-6)/6)^{6-(6+6)/6}) - 6-6 \\
&:= (7 \times ((7 \times ((7+7) \times (7+7+7)) + 7)) - (7/7+7) \\
&:= 88/8 \times (((88+8)/8) + 888) + 8 \\
&:= 9999 - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9989 &:= ((11-1)^{1+1+1+1}) - 11 \\
&:= (2 \times (2+2) + 2)^{2+2} - 22/2 \\
&:= (3 \times (3333-3)) - 3/3 \\
&:= ((44-4)/4)^4 - 44/4 \\
&:= ((5+5)^{5-5/5}) - 55/5 \\
&:= (((66-6)/6)^{6-(6+6)/6}) - 66/6 \\
&:= (7 \times ((7 \times ((7+7) \times (7+7+7)) + 7)) - 7) \\
&:= 8 + ((8/8+8) \times ((8888 - (8+8))/8)) \\
&:= 9999 - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9990 &:= (11-1-1) \times (1111-1) \\
&:= 222 \times (2 \times 22 + 2/2) \\
&:= 3 \times (3333-3) \\
&:= (4-44)/4 + ((44-4)/4)^4 \\
&:= ((5+5)^{5-5/5}) - 5-5 \\
&:= 666 \times ((6 \times 6/(6+6) + 6) + 6) \\
&:= ((7+7)/7+7) \times (7777-7)/7 \\
&:= (8/8+8) \times (8888-8)/8 \\
&:= 9999 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9991 &:= 1 + ((11-1-1) \times (1111-1)) \\
&:= 2 + ((2 \times (2+2) + 2)^{2+2} - 22/2) \\
&:= 3/3 + (3 \times (3333-3)) \\
&:= ((44-4)/4)^4 - (4/4+4+4) \\
&:= 5/5 + (((5+5)^{5-5/5}) - (5+5)) \\
&:= 6/6 + (666 \times ((6 \times 6/(6+6) + 6) + 6)) \\
&:= 7 + (((7+7)/7)^7 \times (7/7+77)) \\
&:= ((8/8+8) \times 8888/8) - 8 \\
&:= 9/9 + (9999-9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9992 &:= 1 + (1 + ((11-1-1) \times (1111-1))) \\
&:= 2 + (222 \times (2 \times 22 + 2/2)) \\
&:= 3 + ((3 \times (3333-3)) - 3/3) \\
&:= ((44-4)/4)^4 - 4-4 \\
&:= (5+5)/5 + (((5+5)^{5-5/5}) - (5+5)) \\
&:= (6+6)/6 + (666 \times ((6 \times 6/(6+6) + 6) + 6)) \\
&:= (((7+7)/7+7) \times 7777/7) - 7 \\
&:= 8 + (88+8) \times (88+8+8) \\
&:= (9+9)/9 + (9999-9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9993 &:= 1 + (1 + (1 + ((11 - 1 - 1) \times (1111 - 1)))) \\
&:= 2 + (((2 \times (2 + 2) + 2)^{2+2} - 22/2) + 2) \\
&:= 3 + (3 \times (3333 - 3)) \\
&:= 4 + (((44 - 4)/4)^4 - 44/4) \\
&:= ((5 + 5)^{5-5/5}) - ((5 + 5)/5 + 5) \\
&:= (((66 - 6)/6)^{6-(6+6)/6}) - 6/6 - 6 \\
&:= (((77 - 7)/7)^{77/7-7}) - 7 \\
&:= 8 + ((88 + 8) \times (88 + 8 + 8) + 8/8) \\
&:= 9999 + (((9 + 9 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9994 &:= ((11 - 1)^{1+1+1+1}) - ((1 + 1) \times (1 + 1 + 1)) \\
&:= (2 \times (2 + 2) + 2)^{2+2} - 2 - 2 - 2 \\
&:= 3 + ((3 \times (3333 - 3)) + 3/3) \\
&:= ((44 - 4)/4)^4 - ((4 + 4)/4 + 4) \\
&:= ((5 + 5)^{5-5/5}) - (5/5 + 5) \\
&:= (((66 - 6)/6)^{6-(6+6)/6}) - 6 \\
&:= 7/7 + (((77 - 7)/7)^{77/7-7}) - 7 \\
&:= 8 + ((88 + 8) \times (88 + 8 + 8) + ((8 + 8)/8)) \\
&:= 9999 + ((9 - 99)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9995 &:= ((11 - 1)^{1+1+1+1}) - 1 - 1 - 1 - 1 - 1 \\
&:= (2 \times (2 + 2) + 2)^{2+2} - 2/2 - 2 - 2 \\
&:= 3 \times 3333 - (3/3 + 3) \\
&:= ((44 - 4)/4)^4 - 4/4 - 4 \\
&:= ((5 + 5)^{5-5/5}) - 5 \\
&:= 6/6 + (((66 - 6)/6)^{6-(6+6)/6}) - 6 \\
&:= (7 \times ((7 \times ((7 + 7) \times (7 + 7) + 7)) + 7)) - 7/7 \\
&:= 88/8 + (88 + 8) \times (88 + 8 + 8) \\
&:= 9999 + ((9 - 9 \times 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9996 &:= (1 + 1 + 1) \times (((1 + 1 + 1) \times 1111) - 1) \\
&:= (2 \times (2 + 2) + 2)^{2+2} - 2 - 2 \\
&:= 3 \times 3333 - 3 \\
&:= ((44 - 4)/4)^4 - 4 \\
&:= 5/5 + (((5 + 5)^{5-5/5}) - 5) \\
&:= 6 + (666 \times ((6 \times 6/(6 + 6) + 6) + 6)) \\
&:= 7 \times ((7 \times ((7 + 7) \times (7 + 7) + 7)) + 7) \\
&:= ((88 + 8)/8) + (88 + 8) \times (88 + 8 + 8) \\
&:= 9999 - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9997 &:= ((11 - 1)^{1+1+1+1}) - 1 - 1 - 1 \\
&:= (2 \times (2 + 2) + 2)^{2+2} - 2/2 - 2 \\
&:= 3/3 + (3 \times 3333 - 3) \\
&:= 4/4 + (((44 - 4)/4)^4 - 4) \\
&:= (5 + 5)/5 + (((5 + 5)^{5-5/5}) - 5) \\
&:= 6 + ((666 \times ((6 \times 6/(6 + 6) + 6) + 6)) + 6/6) \\
&:= 7/7 + (7 \times ((7 \times ((7 + 7) \times (7 + 7) + 7)) + 7)) \\
&:= 8888 + ((8888 - (8 + 8))/8) \\
&:= 9999 - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9998 &:= ((11 - 1)^{1+1+1+1}) - 1 - 1 \\
&:= (2 \times (2 + 2) + 2)^{2+2} - 2 \\
&:= 3 \times 3333 - 3/3 \\
&:= ((44 - 4)/4)^4 - (4 + 4)/4 \\
&:= ((5 + 5)^{5-5/5}) - (5 + 5)/5 \\
&:= (((66 - 6)/6)^{6-(6+6)/6}) - (6 + 6)/6 \\
&:= 7 + (((7 + 7)/7)^7 \times (7/7 + 77)) + 7 \\
&:= 8 + ((8/8 + 8) \times (8888 - 8)/8) \\
&:= 9999 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 9999 &:= (11 - 1 - 1) \times 1111 \\
&:= (2 \times (2 + 2) + 2)^{2+2} - 2/2 \\
&:= 3 \times 3333 \\
&:= ((44 - 4)/4)^4 - 4/4 \\
&:= ((5 + 5)^{5-5/5}) - 5/5 \\
&:= (6 \times 6/(6 + 6) + 6) \times (6666/6) \\
&:= ((7 + 7)/7 + 7) \times 7777/7 \\
&:= (8/8 + 8) \times 8888/8 \\
&:= 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10000 &:= (11 - 1)^{1+1+1+1} \\
&:= (2 \times (2 + 2) + 2)^{2+2} \\
&:= 3/3 + 3 \times 3333 \\
&:= ((44 - 4)/4)^4 \\
&:= (5 + 5)^{5-5/5} \\
&:= (((66 - 6)/6)^{6-(6+6)/6}) \\
&:= (((77 - 7)/7)^{77/7-7}) \\
&:= (((8 + 8)/8) + 8)^{8 \times 8/(8+8)} \\
&:= 9/9 + 9999
\end{aligned}$$

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