

Single Digit Representations of Natural Numbers From 1 to 5000

Inder J. Taneja¹

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**. The previous work is upto 1000. This paper bring numbers 1 to 5000 in terms of each digit. The total work up to 20000 numbers divided in four parts. For other parts refer [9, 10, 11].

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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.

¹Formerly, Professor of Mathematics, Universidade Federal de Santa Catarina, Florianópolis, SC, Brazil (1978-2012). Also worked at Delhi University, India (1976-1978).
E-mail: ijaneja@gmail.com; Web-sites: <http://inderjtaneja.com>; <http://indertaneja.com>; Twitter: @IJTANEJA.

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

$$\begin{array}{lll}
\mathbf{100} := 2^6 + 6^2 & \mathbf{107} := -1^2 + 2^7 - 3^3 + 7^1 & \mathbf{114} := -2^2 + 3^5 - 5^3 \\
\mathbf{101} := 1^1 + 2^6 + 6^2 & \mathbf{108} := 1^7 + 2^6 + 6^2 + 7^1 & \mathbf{115} := 1^5 - 2^1 - 3^2 + 5^3 \\
\mathbf{102} := -2^5 + 3^2 + 5^3 & \mathbf{109} := 1^2 + 2^7 - 3^3 + 7^1 & \mathbf{116} := 2^2 + 3^5 - 4^4 + 5^3 \\
\mathbf{103} := 1^1 - 2^5 + 3^2 + 5^3 & \mathbf{110} := 1^9 + 2^6 + 6^2 + 9^1 & \mathbf{117} := -1^1 + 3^5 - 5^3 \\
\mathbf{104} := -1^1 + 2^3 + 3^4 + 4^2 & \mathbf{111} := -1^3 + 2^7 - 3^2 - 7^1 & \mathbf{118} := 3^5 - 5^3 \\
\mathbf{105} := 2^3 + 3^4 + 4^2 & \mathbf{112} := 3^5 - 4^4 + 5^3 & \mathbf{119} := 1^1 + 3^5 - 5^3. \\
\mathbf{106} := 2^7 + 3^3 - 7^2 & \mathbf{113} := -1^5 - 2^1 - 3^2 + 5^3 &
\end{array}$$

See more examples,

$$\begin{array}{ll}
\mathbf{638} := -1^5 - 2^1 - 4^2 + 5^4 & \mathbf{6922} := -3^6 - 5^3 + 6^5 \\
\mathbf{666} := -2^5 + 3^2 + 4^3 + 5^4 & \mathbf{9711} := 1^3 + 2^4 + 3^8 + 4^2 + 5^5 - 8^1 \\
\mathbf{786} := -1^4 + 3^6 + 4^3 - 6^1 & \mathbf{9777} := 1^9 + 2^1 + 4^7 - 7^2 - 9^4 \\
\mathbf{1933} := -1^3 - 2^2 + 3^7 - 4^4 + 7^1 & \mathbf{11110} := 1^1 + 2^2 + 3^9 - 5^6 + 6^5 - 9^3 \\
\mathbf{1934} := 2^9 + 3^6 - 6^2 + 9^3 & \mathbf{11111} := -1^1 + 2^7 + 3^8 - 4^2 + 7^3 + 8^4. \\
\mathbf{3098} := -3^3 + 5^5 & \\
\mathbf{2280} := -1^1 - 2^6 + 4^5 + 5^2 + 6^4 &
\end{array}$$

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,

$$\begin{array}{ll}
\mathbf{201} := 0^3 + 1^9 + 2^4 + 3^7 - 4^8 + 5^1 + 6^6 + 7^5 + 8^2 + 9^0 & \mathbf{212} := 0^5 + 1^7 - 2^8 - 3^9 + 4^1 + 5^6 + 6^0 + 7^3 + 8^4 + 9^2 \\
\mathbf{202} := 0^0 + 1^9 + 2^6 + 3^8 - 4^7 + 5^5 + 6^3 + 7^2 + 8^1 + 9^4 & \mathbf{213} := 0^5 + 1^8 - 2^7 - 3^9 + 4^1 + 5^6 + 6^3 + 7^0 + 8^4 + 9^2 \\
\mathbf{203} := 0^3 - 1^9 + 2^4 + 3^7 - 4^8 + 5^0 + 6^6 + 7^5 + 8^2 + 9^1 & \mathbf{214} := 0^5 + 1^7 - 2^8 - 3^9 + 4^0 + 5^6 + 6^1 + 7^3 + 8^4 + 9^2 \\
\mathbf{204} := 0^8 + 1^9 + 2^5 + 3^7 - 4^6 + 5^1 + 6^4 + 7^2 + 8^0 + 9^3 & \mathbf{215} := 0^5 + 1^9 + 2^8 + 3^7 - 4^6 + 5^0 + 6^4 + 7^2 + 8^3 + 9^1 \\
\mathbf{205} := 0^3 + 1^9 + 2^4 + 3^7 - 4^8 + 5^0 + 6^6 + 7^5 + 8^2 + 9^1 & \mathbf{216} := 0^1 - 1^7 + 2^8 - 3^9 + 4^5 + 5^6 + 6^0 + 7^4 + 8^3 + 9^2 \\
\mathbf{206} := 0^7 - 1^9 - 2^5 - 3^8 + 4^6 + 5^1 + 6^3 + 7^4 + 8^0 + 9^2 & \mathbf{217} := 0^7 - 1^9 + 2^5 - 3^8 + 4^6 + 5^2 + 6^3 + 7^4 + 8^1 + 9^0 \\
\mathbf{207} := 0^8 + 1^9 + 2^5 + 3^7 - 4^6 + 5^0 + 6^4 + 7^2 + 8^1 + 9^3 & \mathbf{218} := 0^1 + 1^7 + 2^8 - 3^9 + 4^5 + 5^6 + 6^0 + 7^4 + 8^3 + 9^2 \\
\mathbf{208} := 0^7 + 1^9 - 2^5 - 3^8 + 4^6 + 5^1 + 6^3 + 7^4 + 8^0 + 9^2 & \mathbf{219} := 0^7 + 1^9 + 2^5 - 3^8 + 4^6 + 5^2 + 6^3 + 7^4 + 8^1 + 9^0 \\
\mathbf{209} := 0^7 - 1^9 - 2^5 - 3^8 + 4^6 + 5^0 + 6^3 + 7^4 + 8^1 + 9^2 & \mathbf{220} := 0^7 + 1^9 + 2^5 - 3^8 + 4^6 + 5^2 + 6^3 + 7^4 + 8^0 + 9^1. \\
\mathbf{210} := 0^5 - 1^7 - 2^8 - 3^9 + 4^1 + 5^6 + 6^0 + 7^3 + 8^4 + 9^2 & \\
\mathbf{211} := 0^7 + 1^9 - 2^5 - 3^8 + 4^6 + 5^0 + 6^3 + 7^4 + 8^1 + 9^2 &
\end{array}$$

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]. Recent extension to 20000 in four parts refer Taneja [9, 10, 11]

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

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

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

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

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

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

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

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

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

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

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

$$2020 := \frac{\frac{aaaaa - a}{aa} \times (a + a)}{aa}$$

$$2035 := \frac{\frac{aaaa - a}{a + a + a} \times aa}{\frac{a + a}{aaa} \times aa \times aa}$$

$$4477 := \frac{\frac{aaaa - a}{a + a + a} \times aa \times aa}{a \times a}$$

$$4999 := \frac{(aaaaa - aaaa - a - a)}{(a + a)}$$

$$5000 := \frac{(aaaaa - aaaa)}{(a + a)}$$

$$122988 := \frac{(aaaa - a - a - a) \times aaa}{a \times a}$$

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,

$$1^{234} = (5 + 67) / (8 \times 9)$$

$$98/7 + 6 = 54/3 + 2 \times 1.$$

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

- **Increasing Order**

$$12 = 3 + 4 + (5 \times 6 + 7 + 8) / 9 \quad (1)$$

$$123 = 4 + 5 + 6 \times 7 + 8 \times 9$$

$$1234 = -5 + 6! + 7 + 8^{\sqrt{9}}$$

$$12 + 3 \times 4 + 5 \times (6 + 7) = 89$$

$$1 + 23 + 45 + 6! = 789$$

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

This paper brings first part giving **single digit representations** of natural numbers from 1 to 5000. 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: 1-5000

This subsection brings the first part of the whole project. Here, the numbers are represented from 1 to 5000 in terms of different digits. The work done previously up to 1000 [6] is also repeated here.

- | | | |
|---|---|--|
| ▶ 1 := 1
:= 2/2
:= 3/3
:= 4/4
:= 5/5
:= 6/6
:= 7/7
:= 8/8
:= 9/9 | ▶ 5 := 1+1+1+1+1
:= 2+2/2+2
:= 3+3-3/3
:= 4+4/4
:= 5
:= 6-6/6
:= 7-(7+7)/7
:= 8+8-88/8
:= (9×9+9)/(9+9) | ▶ 9 := 11-1-1
:= (2/2+2) ²
:= 3×3
:= 4+4+4/4
:= 5+5-5/5
:= 6+6×6/(6+6)
:= 7+(7+7)/7
:= 8+8/8
:= 9 |
| ▶ 2 := 1+1
:= 2
:= 3-3/3
:= (4+4)/4
:= (5+5)/5
:= (6+6)/6
:= (7+7)/7
:= (8+8)/8
:= (9+9)/9 | ▶ 6 := (1+1)×(1+1+1)
:= 2+2+2
:= 3+3
:= 4+(4+4)/4
:= 5+5/5
:= 6
:= 7-7/7
:= 8-(8+8)/8
:= 9-(9+9+9)/9 | ▶ 10 := 11-1
:= 2+2×(2+2)
:= 3×3+3/3
:= (44-4)/4
:= 5+5
:= (66-6)/6
:= (77-7)/7
:= 8+(8+8)/8
:= 9+9/9 |
| ▶ 3 := 1+1+1
:= 2+2/2
:= 3
:= 4-4/4
:= 5-(5+5)/5
:= 6×6/(6+6)
:= (7+7+7)/7
:= 88/8-8
:= (9+9+9)/9 | ▶ 7 := 1+(1+1)×(1+1+1)
:= 2+2+2+2/2
:= 3+3+3/3
:= 4+4-4/4
:= 5+(5+5)/5
:= 6+6/6
:= 7
:= 8-8/8
:= 9-(9+9)/9 | ▶ 11 := 11
:= 22/2
:= 33/3
:= 44/4
:= 55/5
:= 66/6
:= 77/7
:= 88/8
:= 99/9 |
| ▶ 4 := 1+1+1+1
:= 2+2
:= 3+3/3
:= 4
:= 5-5/5
:= 6-(6+6)/6
:= 77/7-7
:= 8×8/(8+8)
:= (9×9-9)/(9+9) | ▶ 8 := (1+1) ¹⁺¹⁺¹
:= 2×(2+2)
:= 3×3-3/3
:= 4+4
:= 5+5-(5+5)/5
:= 6+(6+6)/6
:= 7+7/7
:= 8
:= 9-9/9 | ▶ 12 := 1+11
:= 2×(2+2+2)
:= 3+3×3
:= 4+4+4
:= (55+5)/5
:= 6+6
:= (77+7)/7
:= (88+8)/8
:= (99+9)/9 |

$$\begin{aligned} \blacktriangleright 13 &:= 1+1+11 \\ &:= 2+22/2 \\ &:= 3+3 \times 3+3/3 \\ &:= 4+4/4+4+4 \\ &:= (55+5+5)/5 \\ &:= 6+6/6+6 \\ &:= 7+7-7/7 \\ &:= (88+8+8)/8 \\ &:= (99+9+9)/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14 &:= 1+1+1+11 \\ &:= 2^{2+2}-2 \\ &:= 3+33/3 \\ &:= 4+(44-4)/4 \\ &:= 5+5-5/5+5 \\ &:= 6+6+(6+6)/6 \\ &:= 7+7 \\ &:= 8+8-(8+8)/8 \\ &:= 9+(9 \times 9+9)/(9+9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 15 &:= 1+1+1+1+11 \\ &:= 2+2+22/2 \\ &:= 3+3+3 \times 3 \\ &:= 4+44/4 \\ &:= 5+5+5 \\ &:= 6+6+6 \times 6/(6+6) \\ &:= 7+7+7/7 \\ &:= 8+8-8/8 \\ &:= 9+9-(9+9+9)/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 16 &:= (1+1)^{1+1+1+1} \\ &:= 2^{2+2} \\ &:= 3^3-33/3 \\ &:= 4 \times 4 \\ &:= 5+55/5 \\ &:= 6+(66-6)/6 \\ &:= 7+7+(7+7)/7 \\ &:= 8+8 \\ &:= 9+9-(9+9)/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 17 &:= 1+(1+1)^{1+1+1+1} \\ &:= 2/2+2^{2+2} \\ &:= 3+33/3+3 \\ &:= 4 \times 4+4/4 \\ &:= 5+(55+5)/5 \\ &:= 6+66/6 \\ &:= 7+(77-7)/7 \\ &:= 8+8+8/8 \\ &:= 9+9-9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 18 &:= (1+1) \times (11-1-1) \\ &:= 2+2^{2+2} \\ &:= 3 \times (3+3) \\ &:= 4 \times 4+(4+4)/4 \\ &:= 5+(55+5+5)/5 \\ &:= 6+6+6 \\ &:= 7+77/7 \\ &:= 8+8+(8+8)/8 \\ &:= 9+9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 19 &:= (1+1) \times (11-1)-1 \\ &:= 22-2/2-2 \\ &:= 3/3+3 \times (3+3) \\ &:= 4+4+44/4 \\ &:= 5 \times 5-5-5/5 \\ &:= 6+6/6+6+6 \\ &:= 7+(7+77)/7 \\ &:= 8+88/8 \\ &:= 9+9/9+9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 20 &:= (1+1) \times (11-1) \\ &:= 22-2 \\ &:= 3 \times 3+33/3 \\ &:= 4+4 \times 4 \\ &:= 5 \times 5-5 \\ &:= 6+((6+6)/6+6+6) \\ &:= 7+7+7-7/7 \\ &:= 8+(88+8)/8 \\ &:= 9+99/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 21 &:= 11+11-1 \\ &:= 22-2/2 \\ &:= 3+3 \times (3+3) \\ &:= 4+4 \times 4+4/4 \\ &:= 5+55/5+5 \\ &:= 6 \times (6 \times 6+6)/(6+6) \\ &:= 7+7+7 \\ &:= 8+(88+8+8)/8 \\ &:= 9+(99+9)/9 \end{aligned}$$

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

$$\begin{aligned} \blacktriangleright 23 &:= 1+11+11 \\ &:= 22+2/2 \\ &:= 3^3-3-3/3 \\ &:= 4+4+4+44/4 \\ &:= 5 \times 5-(5+5)/5 \\ &:= 6+6+66/6 \\ &:= 7+7+7+(7+7)/7 \\ &:= 8+8+8-8/8 \\ &:= (99+99+9)/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 24 &:= (1+1) \times (1+11) \\ &:= 2+22 \\ &:= 3^3-3 \\ &:= 4+(4 \times 4+4) \\ &:= 5 \times 5-5/5 \\ &:= 6+(6+6+6) \\ &:= 7+((77-7)/7+7) \\ &:= 8+(8+8) \\ &:= 9+((9-((9+9+9)/9))+9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 25 &:= 1+(1+1) \times (1+11) \\ &:= 2+22+2/2 \\ &:= 3^3-3+3/3 \\ &:= 4+4+4 \times 4+4/4 \\ &:= 5 \times 5 \\ &:= 6 \times 6-66/6 \\ &:= 7+7+77/7 \\ &:= 8+8+8+8/8 \\ &:= 9+9+9-(9+9)/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 26 &:= (1+1) \times (1+1+11) \\ &:= 2+22+2 \\ &:= 3^3-3/3 \\ &:= 4+44 \times 4/(4+4) \\ &:= 5 \times 5+5/5 \\ &:= 6 \times 6+(6-66)/6 \\ &:= 7+7+(77+7)/7 \\ &:= 8+8+8+(8+8)/8 \\ &:= 9+9+9-9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 27 &:= (1+1+1)^{1+1+1} \\ &:= 2+22+2/2+2 \\ &:= 3^3 \\ &:= 4 \times 4+44/4 \\ &:= 5 \times 5+(5+5)/5 \\ &:= 66 \times 6/(6+6)-6 \\ &:= 7+7+7+7-7/7 \\ &:= 8+8+88/8 \\ &:= 9+9+9 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 28 &:= 1 + (1 + 1 + 1)^{1+1+1} \\
 &:= 2 + 22 + 2 + 2 \\
 &:= 3^3 + 3/3 \\
 &:= 44 - 4 \times 4 \\
 &:= 5 + 5 \times 5 - (5 + 5)/5 \\
 &:= 6 + (66 + 66)/6 \\
 &:= 7 + 7 + 7 + 7 \\
 &:= 8 + 8 + (88 + 8)/8 \\
 &:= 9 + 9 + 9 + 9/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 29 &:= (11 - 1) \times (1 + 1 + 1) - 1 \\
 &:= 2 + 2 + 2 + 22 + 2/2 \\
 &:= 3 + 3^3 - 3/3 \\
 &:= 44 + 4/4 - 4 \times 4 \\
 &:= 5 + 5 \times 5 - 5/5 \\
 &:= 6 \times 6 - 6 - 6/6 \\
 &:= 7 + 7 + 7 + 7 + 7/7 \\
 &:= 8 + 8 + (88 + 8 + 8)/8 \\
 &:= 9 + 9 + 99/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 30 &:= (11 - 1) \times (1 + 1 + 1) \\
 &:= 22 + 2 \times (2 + 2) \\
 &:= 3 + 3^3 \\
 &:= 4 \times (4 + 4) - (4 + 4)/4 \\
 &:= 5 + 5 \times 5 \\
 &:= 6 \times 6 - 6 \\
 &:= 7 + 7 + 7 + 7 + (7 + 7)/7 \\
 &:= 8 + (88 + 88)/8 \\
 &:= 9 + 9 + (99 + 9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 31 &:= 1 + (11 - 1) \times (1 + 1 + 1) \\
 &:= 22 + (2/2 + 2)^2 \\
 &:= 3 + 3^3 + 3/3 \\
 &:= 4 \times (4 + 4) - 4/4 \\
 &:= 5 + 5 \times 5 + 5/5 \\
 &:= 6 \times 6 + 6/6 - 6 \\
 &:= 7 \times 7 - 7 - 77/7 \\
 &:= 8 + 8 + 8 + 8 - 8/8 \\
 &:= 9 + (99 + 99)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 32 &:= 11 \times (1 + 1 + 1) - 1 \\
 &:= 2 \times 2^{2+2} \\
 &:= 33 - 3/3 \\
 &:= 4 \times (4 + 4) \\
 &:= ((5 + 5)/5)^5 \\
 &:= 6 \times 6 + (6 + 6)/6 - 6 \\
 &:= 7 + 77/7 + 7 + 7 \\
 &:= 8 + 8 + 8 + 8 \\
 &:= 9 + (99 + 99 + 9)/9
 \end{aligned}$$

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

$$\begin{aligned}
 \blacktriangleright 34 &:= 1 + 11 \times (1 + 1 + 1) \\
 &:= 2 + 2 \times 2^{2+2} \\
 &:= 3/3 + 33 \\
 &:= 44 + (4 - 44)/4 \\
 &:= 5 + 5 + 5 \times 5 - 5/5 \\
 &:= 6 \times 6 - (6 + 6)/6 \\
 &:= 7 \times 7 - 7 - 7 - 7/7 \\
 &:= 8 + 8 + 8 + 8 + (8 + 8)/8 \\
 &:= 9 + 9 + 9 + 9 - (9 + 9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 35 &:= 1 + 1 + 11 \times (1 + 1 + 1) \\
 &:= 2 + 22/2 + 22 \\
 &:= 3 + 33 - 3/3 \\
 &:= 4 + 4 \times (4 + 4) - 4/4 \\
 &:= 5 + 5 + 5 \times 5 \\
 &:= 6 \times 6 - 6/6 \\
 &:= 7 \times 7 - 7 - 7 \\
 &:= 8 + 8 + 8 + 88/8 \\
 &:= 9 + 9 + 9 + 9 - 9/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 36 &:= (1 + 1 + 1) \times (1 + 11) \\
 &:= (2 + 2 + 2)^2 \\
 &:= 3 + 33 \\
 &:= 4 + 4 \times (4 + 4) \\
 &:= 5 \times 5 + 55/5 \\
 &:= 6 \times 6 \\
 &:= 7/7 + (7 \times 7 - (7 + 7)) \\
 &:= (8 \times 8 + 8) \times 8/(8 + 8) \\
 &:= 9 + 9 + 9 + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 37 &:= 111/(1 + 1 + 1) \\
 &:= 2/2 + (2 + 2 + 2)^2 \\
 &:= 3 + 33 + 3/3 \\
 &:= 4 + 4 \times (4 + 4) + 4/4 \\
 &:= 5 + ((5 + 5)/5)^5 \\
 &:= 6 \times 6 + 6/6 \\
 &:= 7 \times 7 - (77 + 7)/7 \\
 &:= 888/(8 + 8 + 8) \\
 &:= 9 + 9 + 9 + 9 + 9/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 38 &:= 1 + 111/(1 + 1 + 1) \\
 &:= 2 + (2 + 2 + 2)^2 \\
 &:= 3^3 + 33/3 \\
 &:= 44 - 4 - (4 + 4)/4 \\
 &:= 5 + 5/5 + ((5 + 5)/5)^5 \\
 &:= 6 \times 6 + (6 + 6)/6 \\
 &:= 7 \times 7 - 77/7 \\
 &:= 8 + 8 + (88 + 88)/8 \\
 &:= 9 + 9 + 9 + 99/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 39 &:= (1 + 1 + 1) \times (1 + 1 + 11) \\
 &:= 2 \times (22 - 2) - 2/2 \\
 &:= 3 + 3 + 33 \\
 &:= 44 - 4 - 4/4 \\
 &:= 55 - 5 - 55/5 \\
 &:= 6 + 66 \times 6/(6 + 6) \\
 &:= 7 \times 7 + (7 - 77)/7 \\
 &:= 8 + 8 + 8 + 8 + 8 - 8/8 \\
 &:= 9 + 9 + 9 + (99 + 9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 40 &:= (1 + 1) \times (1 + 1) \times (11 - 1) \\
 &:= 2 \times (22 - 2) \\
 &:= 3 + 3 + 33 + 3/3 \\
 &:= 44 - 4 \\
 &:= 5 + 5 + 5 + 5 \times 5 \\
 &:= 6 + 6 \times 6 - (6 + 6)/6 \\
 &:= 7 \times 7 - 7 - (7 + 7)/7 \\
 &:= 8 + 8 + 8 + 8 + 8 \\
 &:= (9 \times 9 \times 9 - 9)/(9 + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 41 &:= 1 + (1 + 1) \times (1 + 1) \times (11 - 1) \\
 &:= 2/2 + 2 \times (22 - 2) \\
 &:= 3 + 33/3 + 3^3 \\
 &:= 44 - 4 + 4/4 \\
 &:= 5 + 5 \times 5 + 55/5 \\
 &:= 6 + 6 \times 6 - 6/6 \\
 &:= 7 \times 7 - 7 - 7/7 \\
 &:= 8 + 8 + 8 + 8 + 8 + 8/8 \\
 &:= (9 \times 9 \times 9 + 9)/(9 + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 42 &:= (1 + 1) \times (11 + 11 - 1) \\
 &:= 2 \times 22 - 2 \\
 &:= 3 \times 3 + 33 \\
 &:= 44 - (4 + 4)/4 \\
 &:= 5 + ((5 + 5)/5)^5 + 5 \\
 &:= 6 + 6 \times 6 \\
 &:= 7 \times 7 - 7 \\
 &:= 8 \times 8 - (88 + 88)/8 \\
 &:= 9 + 99 \times 9/(9 + 9 + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 43 &:= (1+1) \times (11+11) - 1 \\
 &:= 2 \times 22 - 2/2 \\
 &:= 3 \times 3 + 3/3 + 33 \\
 &:= 44 - 4/4 \\
 &:= 55 - (55+5)/5 \\
 &:= 6 + 6 \times 6 + 6/6 \\
 &:= 7 \times 7 + 7/7 - 7 \\
 &:= 8 + 8 + 8 + 8 + 88/8 \\
 &:= 9 + 9 + 9 + 9 + 9 - (9+9)/9
 \end{aligned}$$

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

$$\begin{aligned}
 \blacktriangleright 45 &:= 1 + (1+1) \times (11+11) \\
 &:= 2 \times 22 + 2/2 \\
 &:= 3 + 3 \times 3 + 33 \\
 &:= 44 + 4/4 \\
 &:= 55 - 5 - 5 \\
 &:= 666/6 - 66 \\
 &:= 7 + 7 \times 7 - 77/7 \\
 &:= 8 \times 8 - 8 - 88/8 \\
 &:= 9 + 9 + 9 + 9 + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 46 &:= (1+1) \times (1+11+11) \\
 &:= 2 + 2 \times 22 \\
 &:= 3 + 3 \times 3 + 33 + 3/3 \\
 &:= 44 + (4+4)/4 \\
 &:= 55 + 5/5 - 5 - 5 \\
 &:= 6 \times 6 + (66-6)/6 \\
 &:= 7 \times 7 - (7+7+7)/7 \\
 &:= 8 \times 8 - 8 - (88-8)/8 \\
 &:= 9 + 9 + 9 + 9 + 9 + 9/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 47 &:= 1 + (1+1) \times (1+11+11) \\
 &:= 2 + 2 \times 22 + 2/2 \\
 &:= 3 + 33/3 + 33 \\
 &:= 4 + 44 - 4/4 \\
 &:= 5 + 5 + 5 + ((5+5)/5)^5 \\
 &:= 6 \times 6 + 66/6 \\
 &:= 7 \times 7 - (7+7)/7 \\
 &:= 8 \times 8 - 8 - 8 - 8/8 \\
 &:= 9 + 9 + 9 + 9 + 99/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 48 &:= (1+1) \times (1+1) \times (1+11) \\
 &:= 2 \times (22+2) \\
 &:= 3 \times 3^3 - 33 \\
 &:= 4 + 44 \\
 &:= 55 + 5 - (5+5)/5 \\
 &:= 6 + 6 + 6 \times 6 \\
 &:= 7 \times 7 - 7/7 \\
 &:= 8 \times 8 - 8 - 8 \\
 &:= 9 + 9 + 9 + 9 + (99+9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 49 &:= 1 + (1+1) \times (1+1) \times (1+11) \\
 &:= 2/2 + 2 \times (22+2) \\
 &:= 3^3 + 33 - 33/3 \\
 &:= 4 + 44 + 4/4 \\
 &:= 55 - 5 - 5/5 \\
 &:= 6 + 6 + 6 \times 6 + 6/6 \\
 &:= 7 \times 7 \\
 &:= 8 \times 8 - 8 - 8 + 8/8 \\
 &:= (9 \times 99 - 9) / (9+9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 50 &:= (11-1)^{1+1} / (1+1) \\
 &:= 2 + 2 \times (22+2) \\
 &:= 3 + 3 + 33 + 33/3 \\
 &:= 4 + 44 + (4+4)/4 \\
 &:= 5 \times (5+5) \\
 &:= 6 + 6 + 6 \times 6 + (6+6)/6 \\
 &:= 7 \times 7 + 7/7 \\
 &:= 8 \times 8 - 8 - 8 + (8+8)/8 \\
 &:= (9 \times 99 + 9) / (9+9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 51 &:= 1 + (11-1)^{1+1} / (1+1) \\
 &:= 2 + 2 \times (22+2) + 2/2 \\
 &:= 3^3 + 3^3 - 3 \\
 &:= 4 + 4 + 44 - 4/4 \\
 &:= 55 + 5/5 - 5 \\
 &:= 6 - 66 + 666/6 \\
 &:= 7 \times 7 + (7+7)/7 \\
 &:= 8 \times 8 - (88+8+8)/8 \\
 &:= 9 \times (9+9) - 999/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 52 &:= (1+1) \times (1+1) \times (1+1+11) \\
 &:= 2 \times (22+2+2) \\
 &:= 3^3 + 3/3 - 3 + 3^3 \\
 &:= 4 + 4 + 44 \\
 &:= 55 - 5 + (5+5)/5 \\
 &:= ((6+6)/6)^6 - 6 - 6 \\
 &:= 7 \times 7 + (7+7+7)/7 \\
 &:= 8 + 88 \times 8 / (8+8) \\
 &:= 9 \times 9 - 9 - 9 - 99/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 53 &:= (111-1)/(1+1) - 1 - 1 \\
 &:= 2/2 + 2 \times (22+2+2) \\
 &:= 3^3 + 3^3 - 3/3 \\
 &:= (4^4 - 44)/4 \\
 &:= 55 - (5+5)/5 \\
 &:= 6 + 6 \times 6 + 66/6 \\
 &:= 7 \times 7 - 7 + 77/7 \\
 &:= 8 \times 8 - 88/8 \\
 &:= 9 \times 9 - 9 - 9 - 9 - 9/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 54 &:= (111-1)/(1+1) - 1 \\
 &:= 2 + 2 \times (22+2+2) \\
 &:= 3 \times 3 \times (3+3) \\
 &:= 44 + (44-4)/4 \\
 &:= 55 - 5/5 \\
 &:= 66 - 6 - 6 \\
 &:= 7 + 7 \times 7 - (7+7)/7 \\
 &:= 8 \times 8 + (8-88)/8 \\
 &:= 9 \times 9 - 9 - 9 - 9
 \end{aligned}$$

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

$$\begin{aligned}
 \blacktriangleright 56 &:= (1+111)/(1+1) \\
 &:= 2 \times (22+2+2+2) \\
 &:= (333+3)/(3+3) \\
 &:= 4 + 4 + 4 + 44 \\
 &:= 55 + 5/5 \\
 &:= 66 + (6-66)/6 \\
 &:= 7 + 7 \times 7 \\
 &:= 8 \times 8 - 8 \\
 &:= (999+9)/(9+9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 57 &:= 1 + (1+111)/(1+1) \\
 &:= 2 + 22/2 + 2 \times 22 \\
 &:= 3 + 3^3 + 3^3 \\
 &:= 4 + (4^4 - 44)/4 \\
 &:= 55 + (5+5)/5 \\
 &:= 66 + (6+6-66)/6 \\
 &:= 7 + 7/7 + 7 \times 7 \\
 &:= 8/8 + 8 \times 8 - 8 \\
 &:= (((9+9)/9)^9 + 9/9)/9
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 58 &:= 1 + 1 + (1 + 111)/(1 + 1) \\
&:= 22 + (2 + 2 + 2)^2 \\
&:= (3/3 + 3)^3 - 3 - 3 \\
&:= (4^4 - 4 - 4)/4 - 4 \\
&:= 5 + 55 - (5 + 5)/5 \\
&:= ((6 + 6)/6)^6 - 6 \\
&:= 7 + 7 \times 7 + (7 + 7)/7 \\
&:= 8 \times 8 - 8 + (8 + 8)/8 \\
&:= 9 + (9 \times 99 - 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 59 &:= (11^{1+1} - 1)/(1 + 1) - 1 \\
&:= 22/2 + 2 \times (22 + 2) \\
&:= 3^3 + 33 - 3/3 \\
&:= (4^4 - 4)/4 - 4 \\
&:= 5 + 55 - 5/5 \\
&:= 66 - 6/6 - 6 \\
&:= 7 \times 7 + (77 - 7)/7 \\
&:= 8 \times 8 + 88/8 - 8 - 8 \\
&:= 9 + (9 \times 99 + 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 60 &:= (11^{1+1} - 1)/(1 + 1) \\
&:= 2 \times (2 \times (2 + 2) + 22) \\
&:= 3^3 + 33 \\
&:= 4 \times 4 + 44 \\
&:= 5 + 55 \\
&:= 66 - 6 \\
&:= 7 \times 7 + 77/7 \\
&:= 8 \times 8 - 8 \times 8/(8 + 8) \\
&:= 9 \times 9 - 9 - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 61 &:= (1 + 11^{1+1})/(1 + 1) \\
&:= 2^{2+2+2} - 2/2 - 2 \\
&:= (3/3 + 3)^3 - 3 \\
&:= (4^4 + 4)/4 - 4 \\
&:= 5 + 55 + 5/5 \\
&:= 66 + 6/6 - 6 \\
&:= 7 \times 7 + (77 + 7)/7 \\
&:= 8 + 8 \times 8 - 88/8 \\
&:= 9 \times 9 - 9 - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 62 &:= 1 + (1 + 11^{1+1})/(1 + 1) \\
&:= 2^{2+2+2} - 2 \\
&:= 3 + 33 - 3/3 + 3^3 \\
&:= (4^4 - 4 - 4)/4 \\
&:= 5 + 55 + (5 + 5)/5 \\
&:= 66 - 6 + (6 + 6)/6 \\
&:= 7 + 7 + 7 \times 7 - 7/7 \\
&:= 8 \times 8 - (8 + 8)/8 \\
&:= 9 \times 9 - 9 - 9 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 63 &:= (1 + 1 + 1) \times (11 + 11 - 1) \\
&:= 2^{2+2+2} - 2/2 \\
&:= 3 + 33 + 3^3 \\
&:= (4^4 - 4)/4 \\
&:= (5^5/5 + 5)/(5 + 5) \\
&:= 66 - 6 \times 6/(6 + 6) \\
&:= 7 + 7 + 7 \times 7 \\
&:= 8 \times 8 - 8/8 \\
&:= 9 \times 9 - 9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 64 &:= (1 + 1)^{(1+1) \times (1+1+1)} \\
&:= 2^{2+2+2} \\
&:= (3/3 + 3)^3 \\
&:= 4 \times 4 \times 4 \\
&:= 5 + 5 + 55 - 5/5 \\
&:= ((6 + 6)/6)^6 \\
&:= 7 + 7 + 7 \times 7 + 7/7 \\
&:= 8 \times 8 \\
&:= 9/9 + 9 \times 9 - 9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 65 &:= 1 + (1 + 1)^{(1+1) \times (1+1+1)} \\
&:= 2/2 + 2^{2+2+2} \\
&:= (3/3 + 3)^3 + 3/3 \\
&:= (4^4 + 4)/4 \\
&:= 5 + 5 + 55 \\
&:= 66 - 6/6 \\
&:= 77 - (77 + 7)/7 \\
&:= 8/8 + 8 \times 8 \\
&:= 9 + (999 + 9)/(9 + 9)
\end{aligned}$$

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

$$\begin{aligned}
\blacktriangleright 67 &:= 1 + (1 + 1) \times 11 \times (1 + 1 + 1) \\
&:= 2 + 2^{2+2+2} + 2/2 \\
&:= 3 + (3/3 + 3)^3 \\
&:= 4 + (4^4 - 4)/4 \\
&:= 55 + (55 + 5)/5 \\
&:= 66 + 6/6 \\
&:= 7 + 7 \times 7 + 77/7 \\
&:= 8 \times 8 - 8 + 88/8 \\
&:= 9 + 9 + (9 \times 99 - 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 68 &:= (1 + 1) \times (1 + 11 \times (1 + 1 + 1)) \\
&:= 2 + 2 + 2^{2+2+2} \\
&:= ((3 + 3)^3 - 3)/3 - 3 \\
&:= 4 + 4 \times 4 \times 4 \\
&:= 5 + (5^5/5 + 5)/(5 + 5) \\
&:= 66 + (6 + 6)/6 \\
&:= 77 - 7 - (7 + 7)/7 \\
&:= 8 \times 8 + 8 \times 8/(8 + 8) \\
&:= 9 \times 9 - (99 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 69 &:= (1 + 1 + 1) \times (1 + 11 + 11) \\
&:= (2/2 + 2) \times (22 + 2/2) \\
&:= 3 + 33 + 33 \\
&:= 4 + (4^4 + 4)/4 \\
&:= 5 + 5 + 5 + 55 - 5/5 \\
&:= 66 + 6 \times 6/(6 + 6) \\
&:= 77 - 7 - 7/7 \\
&:= 88 - 8 - 88/8 \\
&:= 9 \times 9 - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 70 &:= (11 - 1 - 1)^{1+1} - 11 \\
&:= 22 + 2 \times (22 + 2) \\
&:= 3 + (((3/3 + 3)^3) + 3) \\
&:= 4 + (((4^4 + 4) + 4)/4) \\
&:= 5 + (55 + 5 + 5) \\
&:= 6 + ((6 + 6)/6)^6 \\
&:= 77 - 7 \\
&:= 8 + 8 \times 8 - (8 + 8)/8 \\
&:= 9 \times 9 - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 71 &:= (1 + 11)^{1+1}/(1 + 1) - 1 \\
&:= 2 \times (2 + 2 + 2)^2 - 2/2 \\
&:= ((3 + 3)^3 - 3)/3 \\
&:= 4 + (4^4 - 4)/4 + 4 \\
&:= 5 + 55 + 55/5 \\
&:= 6 + 66 - 6/6 \\
&:= 7/7 + 77 - 7 \\
&:= 8 + 8 \times 8 - 8/8 \\
&:= 9 \times 9 - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 72 &:= (1 + 11)^{1+1}/(1 + 1) \\
&:= 2 \times (2 + 2 + 2)^2 \\
&:= 3 \times (3^3 - 3) \\
&:= 4 + 4 + 4 \times 4 \times 4 \\
&:= 5 + 55 + (55 + 5)/5 \\
&:= 6 + 66 \\
&:= 77 + (7 + 7)/7 - 7 \\
&:= 8 + 8 \times 8 \\
&:= 9 \times 9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 73 &:= 1 + (1 + 11)^{1+1} / (1 + 1) \\
&:= 2/2 + 2 \times (2 + 2 + 2)^2 \\
&:= ((3 + 3)^3 + 3) / 3 \\
&:= 4 + (4^4 + 4) / 4 + 4 \\
&:= 5 \times (5 + 5 + 5) - (5 + 5) / 5 \\
&:= 6 + 66 + 6 / 6 \\
&:= 7 + 77 - 77 / 7 \\
&:= 8 + 8 / 8 + 8 \times 8 \\
&:= 9 / 9 + 9 \times 9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 74 &:= (1 + 1) \times 111 / (1 + 1 + 1) \\
&:= 2 + 2 \times (2 + 2 + 2)^2 \\
&:= 3 + ((3 + 3)^3 - 3) / 3 \\
&:= (4^4 + 44 - 4) / 4 \\
&:= 5 \times (5 + 5 + 5) - 5 / 5 \\
&:= 6 + 66 + (6 + 6) / 6 \\
&:= 77 - (7 + 7 + 7) / 7 \\
&:= 8 \times 8 + 8 + (8 + 8) / 8 \\
&:= 9 \times 9 - 9 + (9 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 75 &:= 1 + (1 + 1) \times 111 / (1 + 1 + 1) \\
&:= 22 / 2 + 2^{2+2+2} \\
&:= 3 + 3 \times (3^3 - 3) \\
&:= (44 + 4^4) / 4 \\
&:= 5 \times (5 + 5 + 5) \\
&:= 666 / 6 - 6 \times 6 \\
&:= 77 - (7 + 7) / 7 \\
&:= 8 \times 8 + 88 / 8 \\
&:= 9 \times 9 + (9 + 9 + 9) / 9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 76 &:= (1 + 1) \times (1 + 111 / (1 + 1 + 1)) \\
&:= 2 \times ((2 + 2 + 2)^2 + 2) \\
&:= 3 + ((3 + 3)^3 + 3) / 3 \\
&:= 44 + 4 \times (4 + 4) \\
&:= 5 / 5 + 5 \times (5 + 5 + 5) \\
&:= 6 + 6 + ((6 + 6) / 6)^6 \\
&:= 77 - 7 / 7 \\
&:= 8 \times 8 + (88 + 8) / 8 \\
&:= 9 \times 9 + (9 - 99) / (9 + 9)
\end{aligned}$$

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

$$\begin{aligned}
\blacktriangleright 78 &:= 111 - 11 \times (1 + 1 + 1) \\
&:= 2 \times 2 \times (22 - 2) - 2 \\
&:= 3 \times 3^3 - 3 \\
&:= 4 + (4^4 - 4 + 44) / 4 \\
&:= 5 \times 5 + 55 - (5 + 5) / 5 \\
&:= 6 + 66 + 6 \\
&:= 7 / 7 + 77 \\
&:= 88 + (8 - 88) / 8 \\
&:= 9 \times 9 - (9 + 9 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 79 &:= (11 - 1 - 1)^{1+1} - 1 - 1 \\
&:= (2 / 2 + 2)^{2+2} - 2 \\
&:= 3 \times 3^3 + 3 / 3 - 3 \\
&:= 4 + (44 + 4^4) / 4 \\
&:= 5 \times 5 + 55 - 5 / 5 \\
&:= 6 + 6 + 66 + 6 / 6 \\
&:= 77 + (7 + 7) / 7 \\
&:= 88 - 8 - 8 / 8 \\
&:= 9 \times 9 - (9 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 80 &:= (11 - 1 - 1)^{1+1} - 1 \\
&:= 2 \times 2 \times (22 - 2) \\
&:= 3 \times 3^3 - 3 / 3 \\
&:= 4 \times (4 \times 4 + 4) \\
&:= 5 \times 5 + 55 \\
&:= 6 + 6 + 66 + (6 + 6) / 6 \\
&:= 77 + (7 + 7 + 7) / 7 \\
&:= 88 - 8 \\
&:= 9 \times 9 - 9 / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 81 &:= (11 - 1 - 1)^{1+1} \\
&:= (2 / 2 + 2)^{2+2} \\
&:= 3 \times 3^3 \\
&:= (4 - 4 / 4)^4 \\
&:= 5 \times 5 + 55 + 5 / 5 \\
&:= 6 + 666 / 6 - 6 \times 6 \\
&:= 77 - 7 + 77 / 7 \\
&:= 8 / 8 + 88 - 8 \\
&:= 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 82 &:= 1 + (11 - 1 - 1)^{1+1} \\
&:= 2 + 2 \times 2 \times (22 - 2) \\
&:= 3 / 3 + 3 \times 3^3 \\
&:= 4 / 4 + (4 - 4 / 4)^4 \\
&:= 5 \times 5 + 55 + (5 + 5) / 5 \\
&:= 6 + 6 + 6 + ((6 + 6) / 6)^6 \\
&:= 7 + 77 - (7 + 7) / 7 \\
&:= 88 - 8 + (8 + 8) / 8 \\
&:= 9 / 9 + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 83 &:= 1 + 1 + (11 - 1 - 1)^{1+1} \\
&:= 2 + (2 / 2 + 2)^{2+2} \\
&:= 3 + 3 \times 3^3 - 3 / 3 \\
&:= 4 + (44 + 4^4) / 4 + 4 \\
&:= 5 + 55 + 5 \times 5 - (5 + 5) / 5 \\
&:= 6 + 66 / 6 + 66 \\
&:= 7 + 77 - 7 / 7 \\
&:= 8 + 8 \times 8 + 88 / 8 \\
&:= 9 \times 9 + (9 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 84 &:= 1 + 1 + 1 + (11 - 1 - 1)^{1+1} \\
&:= 2 \times (2 \times 22 - 2) \\
&:= 3 + 3 \times 3^3 \\
&:= 4 + 4 \times (4 \times 4 + 4) \\
&:= 5 + (55 - 5 / 5) + 5 \times 5 \\
&:= 6 + 66 + 6 + 6 \\
&:= 7 + 77 \\
&:= 88 - 8 \times 8 / (8 + 8) \\
&:= 9 \times 9 + (9 + 9 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 85 &:= 111 - (1 + 1) \times (1 + 1 + 11) \\
&:= 2 + 2 + (2 / 2 + 2)^{2+2} \\
&:= 3 + 3 \times 3^3 + 3 / 3 \\
&:= 4 + (4 - 4 / 4)^4 \\
&:= 5 + 5 \times 5 + 55 \\
&:= 6 + 6 + 6 + 66 + 6 / 6 \\
&:= 7 + 77 + 7 / 7 \\
&:= 8 + 88 - 88 / 8 \\
&:= 9 \times 9 + (9 \times 9 - 9) / (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 86 &:= (1 + 1) \times ((1 + 1) \times (11 + 11) - 1) \\
&:= 2 \times 2 \times 22 - 2 \\
&:= 3 + 3 + 3 \times 3^3 - 3 / 3 \\
&:= 4 + (4 - 4 / 4)^4 + 4 / 4 \\
&:= 555 / 5 - 5 \times 5 \\
&:= 6 + 6 + 6 + 66 + (6 + 6) / 6 \\
&:= 7 + (7 + 7) / 7 + 77 \\
&:= 88 - (8 + 8) / 8 \\
&:= 9 \times 9 + (9 \times 9 + 9) / (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 87 &:= 111 - (1 + 1) \times (1 + 11) \\
&:= 2 \times 2 \times 22 - 2 / 2 \\
&:= 3 + 3 \times 3^3 + 3 \\
&:= 44 + 44 - 4 / 4 \\
&:= 55 + ((5 + 5) / 5)^5 \\
&:= 6 + 666 / 6 - 6 \times 6 + 6 \\
&:= 77 + (77 - 7) / 7 \\
&:= 88 - 8 / 8 \\
&:= 99 - (99 + 9) / 9
\end{aligned}$$

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

$$\begin{aligned}
\blacktriangleright 89 &:= 111 - 11 - 11 \\
&:= 2/2 + 2 \times 2 \times 22 \\
&:= 3 \times (3^3 + 3) - 3/3 \\
&:= 4 + 4 + (4 - 4/4)^4 \\
&:= 5 \times (5 \times 5 - 5) - 55/5 \\
&:= 6 + 66 + 6 + 66/6 \\
&:= 77 + (77 + 7)/7 \\
&:= 8/8 + 88 \\
&:= 9 + 9 \times 9 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 90 &:= (11 - 1) \times (11 - 1 - 1) \\
&:= 2 + 2 \times 2 \times 22 \\
&:= 3 \times (3^3 + 3) \\
&:= 44 + ((4 + 4)/4 + 44) \\
&:= 5 + (5 \times 5 + 55 + 5) \\
&:= 6 + ((66 + 6 + 6) + 6) \\
&:= 7 + (77 - 7/7 + 7) \\
&:= 88 + (8 + 8)/8 \\
&:= 9 + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 91 &:= 1 + (11 - 1) \times (11 - 1 - 1) \\
&:= 2 + 2 \times 2 \times 22 + 2/2 \\
&:= 3^3 + (3/3 + 3)^3 \\
&:= 4 + 44 + 44 - 4/4 \\
&:= 5 - 5 \times 5 + 555/5 \\
&:= 6 \times 6 + 66 - 66/6 \\
&:= 7 + 77 + 7 \\
&:= 88 + (88/8 - 8) \\
&:= 9 + 9 \times 9 + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 92 &:= 11 + (11 - 1 - 1)^{1+1} \\
&:= 2 \times (2 \times 22 + 2) \\
&:= 3 \times 3^3 + 33/3 \\
&:= 4 + 44 + 44 \\
&:= 5 + 55 + ((5 + 5)/5)^5 \\
&:= 6 \times 6 + 66 + (6 - 66)/6 \\
&:= 7 + 7 + 77 + 7/7 \\
&:= 88 + 8 \times 8/(8 + 8) \\
&:= 9 \times 9 + 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 93 &:= ((1 + 1)^{11-1} - 1)/11 \\
&:= 2/2 + 2 \times (2 \times 22 + 2) \\
&:= 3 + 3 \times (3^3 + 3) \\
&:= ((4 + 4)^4 - 4)/44 \\
&:= 5 \times 5 \times 5 - ((5 + 5)/5)^5 \\
&:= 666/6 - 6 - 6 - 6 \\
&:= 7 + 77 + 7 + (7 + 7)/7 \\
&:= 8 + 88 + 8 - 88/8 \\
&:= 9 \times 9 + (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 94 &:= 1 + ((1 + 1)^{11-1} - 1)/11 \\
&:= 2 + 2 \times (2 \times 22 + 2) \\
&:= 3 + 3 \times (3^3 + 3) + 3/3 \\
&:= (444 - 4)/4 - 4 \times 4 \\
&:= 5 \times (5 \times 5 - 5) - 5 - 5/5 \\
&:= 6 \times 6 + ((6 + 6)/6)^6 - 6 \\
&:= 7 + 77 + (77 - 7)/7 \\
&:= 8 + 88 - (8 + 8)/8 \\
&:= 99 + (9 - 99)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 95 &:= 111 - (1 + 1)^{1+1+1+1} \\
&:= 222/2 - 2^{2+2} \\
&:= 3 \times 33 - 3 - 3/3 \\
&:= 444/4 - 4 \times 4 \\
&:= 5 \times (5 \times 5 - 5) - 5 \\
&:= 6 \times 6 + 66 - 6 - 6/6 \\
&:= 7 + 77 + 77/7 \\
&:= 8 + 88 - 8/8 \\
&:= 99 + (9 - 9 \times 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 96 &:= (1 + 11) \times (1 + 1)^{1+1+1} \\
&:= 2 \times 2 \times (22 + 2) \\
&:= 3 \times 33 - 3 \\
&:= 4 \times (4 \times 4 + 4 + 4) \\
&:= 5/5 + 5 \times (5 \times 5 - 5) - 5 \\
&:= 6 \times 6 + 66 - 6 \\
&:= 7 \times (7 + 7) - (7 + 7)/7 \\
&:= 8 + 88 \\
&:= 99 - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 97 &:= 111 - 11 - 1 - 1 - 1 \\
&:= 2/2 + 2 \times 2 \times (22 + 2) \\
&:= 3/3 + 3 \times 33 - 3 \\
&:= 4 \times 4 + (4 - 4/4)^4 \\
&:= 5 + 5 + 55 + ((5 + 5)/5)^5 \\
&:= 6 \times 6 + 66 - 6 + 6/6 \\
&:= 7 \times (7 + 7) - 7/7 \\
&:= 8 + 88 + 8/8 \\
&:= 99 - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 98 &:= 111 - 11 - 1 - 1 \\
&:= 2 + 2 \times 2 \times (22 + 2) \\
&:= 3 \times 33 - 3/3 \\
&:= 4 + (444 - 4)/4 - 4 \times 4 \\
&:= 5 \times (5 \times 5 - 5) - (5 + 5)/5 \\
&:= (666 - 6)/6 - 6 - 6 \\
&:= 7 \times (7 + 7) \\
&:= 8 + 88 + (8 + 8)/8 \\
&:= 99 - 9/9
\end{aligned}$$

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

$$\begin{aligned}
\blacktriangleright 100 &:= (11 - 1)^{1+1} \\
&:= (2 \times (2 + 2) + 2)^2 \\
&:= 3/3 + 3 \times 33 \\
&:= 4 + 4 \times (4 \times 4 + 4 + 4) \\
&:= 5 \times (5 \times 5 - 5) \\
&:= 6 \times 6 + ((6 + 6)/6)^6 \\
&:= (7 + 7)/7 + 7 \times (7 + 7) \\
&:= 88 + (88 + 8)/8 \\
&:= 9/9 + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 101 &:= 1 + (11 - 1)^{1+1} \\
&:= 2222/22 \\
&:= 3 + 3 \times 33 - 3/3 \\
&:= 4444/44 \\
&:= 5/5 + 5 \times (5 \times 5 - 5) \\
&:= 6 \times 6 + 66 - 6/6 \\
&:= 7777/77 \\
&:= 8888/88 \\
&:= 99 + (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 102 &:= 1 + 1 + (11 - 1)^{1+1} \\
&:= 2 + (2 \times (2 + 2) + 2)^2 \\
&:= 3 + 3 \times 33 \\
&:= (444 - 4)/4 - 4 - 4 \\
&:= (5 + 5)/5 + 5 \times (5 \times 5 - 5) \\
&:= 6 \times 6 + 66 \\
&:= 7 + 77 + 7 + 77/7 \\
&:= (888 - 8)/8 - 8 \\
&:= 999/9 - 9
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 103 &:= 1+1+1+(11-1)^{1+1} \\
 &:= 2+2222/22 \\
 &:= 3+3 \times 33+3/3 \\
 &:= 444/4-4-4 \\
 &:= 5+5 \times (5 \times 5-5)-(5+5)/5 \\
 &:= 6 \times 6+66+6/6 \\
 &:= (777-7)/7-7 \\
 &:= 888/8-8 \\
 &:= (999+9)/9-9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 108 &:= 111-1-1-1 \\
 &:= (222-2)/2-2 \\
 &:= 3 \times (33+3) \\
 &:= 44+4 \times 4 \times 4 \\
 &:= 55+55-(5+5)/5 \\
 &:= 6 \times (6+6+6) \\
 &:= 7+7777/77 \\
 &:= 8+88+(88+8)/8 \\
 &:= 9+99
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 113 &:= 1+1+111 \\
 &:= 2+222/2 \\
 &:= (333+3+3)/3 \\
 &:= (444+4+4)/4 \\
 &:= (555+5+5)/5 \\
 &:= (666+6+6)/6 \\
 &:= (777+7+7)/7 \\
 &:= (888+8+8)/8 \\
 &:= (999+9+9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 104 &:= 1+1+1+1+(11-1)^{1+1} \\
 &:= 2 \times 2 \times (22+2+2) \\
 &:= 3+3+3 \times 33-3/3 \\
 &:= 4 \times 4+44+44 \\
 &:= (5^5-5)/(5 \times 5+5) \\
 &:= (666-6)/6-6 \\
 &:= 777/7-7 \\
 &:= 8+(88+8) \\
 &:= 99+(9 \times 9+9)/(9+9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 109 &:= 111-1-1 \\
 &:= 222/2-2 \\
 &:= 3/3+3 \times (33+3) \\
 &:= 44+(4^4+4)/4 \\
 &:= 55+55-5/5 \\
 &:= 6/6+6 \times (6+6+6) \\
 &:= 77/7+7 \times (7+7) \\
 &:= (888-8-8)/8 \\
 &:= 9+99+9/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 114 &:= 1+1+1+111 \\
 &:= 2+(222+2)/2 \\
 &:= 3+333/3 \\
 &:= 4+(444-4)/4 \\
 &:= 5 \times 5 \times 5-55/5 \\
 &:= 6+6 \times (6+6+6) \\
 &:= ((7+7)/7)^7-7-7 \\
 &:= (888+88)/8-8 \\
 &:= (999+9+9+9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 105 &:= 111-(1+1) \times (1+1+1) \\
 &:= 222/2-2-2-2 \\
 &:= 3+3+3 \times 33 \\
 &:= 4+4444/44 \\
 &:= 5+5 \times (5 \times 5-5) \\
 &:= 666/6-6 \\
 &:= 7+7 \times (7+7) \\
 &:= 8+8+88+8/8 \\
 &:= 9+99-(9+9+9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 110 &:= 111-1 \\
 &:= (222-2)/2 \\
 &:= (333-3)/3 \\
 &:= (444-4)/4 \\
 &:= 55+55 \\
 &:= (666-6)/6 \\
 &:= (777-7)/7 \\
 &:= (888-8)/8 \\
 &:= 99+99/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 115 &:= 1+1+1+1+111 \\
 &:= 2+2+222/2 \\
 &:= 3+(333+3)/3 \\
 &:= 4+444/4 \\
 &:= 5+55+55 \\
 &:= 6+6 \times (6+6+6)+6/6 \\
 &:= 77+7 \times 7-77/7 \\
 &:= 8+88+8+88/8 \\
 &:= 9+9+99-(9+9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 106 &:= 111-1-1-1-1-1 \\
 &:= 2+2 \times 2 \times (22+2+2) \\
 &:= 3+3+3 \times 33+3/3 \\
 &:= (444-4)/4-4 \\
 &:= 555/5-5 \\
 &:= (666+6)/6-6 \\
 &:= 7+7 \times (7+7)+7/7 \\
 &:= 8+8+88+(8+8)/8 \\
 &:= 9+99-(9+9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 111 &:= 111 \\
 &:= 222/2 \\
 &:= 333/3 \\
 &:= 444/4 \\
 &:= 555/5 \\
 &:= 666/6 \\
 &:= 777/7 \\
 &:= 888/8 \\
 &:= 999/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 116 &:= 1+1+1+1+1+111 \\
 &:= 2+2+(222+2)/2 \\
 &:= 3+3+(333-3)/3 \\
 &:= 4+4 \times (44-4 \times 4) \\
 &:= 5+555/5 \\
 &:= 6+(666-6)/6 \\
 &:= 7+7 \times (7+7)+77/7 \\
 &:= 8 \times (8+8)-(88+8)/8 \\
 &:= 9+9+99-9/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 107 &:= 111-1-1-1-1 \\
 &:= 222/2-2-2 \\
 &:= 3 \times (33+3)-3/3 \\
 &:= 444/4-4 \\
 &:= (555+5)/5-5 \\
 &:= 6 \times (6+6+6)-6/6 \\
 &:= 7+(7+7)/7+7 \times (7+7) \\
 &:= 8+(88/8+88) \\
 &:= 9+99-9/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 112 &:= 1+111 \\
 &:= (222+2)/2 \\
 &:= (333+3)/3 \\
 &:= (444+4)/4 \\
 &:= (555+5)/5 \\
 &:= (666+6)/6 \\
 &:= (777+7)/7 \\
 &:= (888+8)/8 \\
 &:= (999+9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 117 &:= 111+(1+1) \times (1+1+1) \\
 &:= (22/2)^2-2-2 \\
 &:= 3 \times (33+3+3) \\
 &:= 4+((444+4+4)/4) \\
 &:= 5+(555+5)/5 \\
 &:= 6+666/6 \\
 &:= 7+(777-7)/7 \\
 &:= 8 \times (8+8)-88/8 \\
 &:= 9+(99+9)
 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 118 &:= 11^{1+1} - 1 - 1 - 1 \\ &:= 22 + 2 \times 2 \times (22 + 2) \\ &:= 3 + 3 + (333 + 3)/3 \\ &:= 4 + 4 + (444 - 4)/4 \\ &:= 5 + (555 + 5 + 5)/5 \\ &:= 6 + (666 + 6)/6 \\ &:= 7 + 777/7 \\ &:= 8 + (888 - 8)/8 \\ &:= 9 + 99 + 9 + 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 119 &:= 11^{1+1} - 1 - 1 \\ &:= (22/2)^2 - 2 \\ &:= 3 \times 3 + (333 - 3)/3 \\ &:= 4 + 4 + 444/4 \\ &:= 5 \times 5 \times 5 - 5 - 5/5 \\ &:= 6 + (666 + 6 + 6)/6 \\ &:= 77 + 7 \times 7 - 7 \\ &:= 8 + 888/8 \\ &:= 9 + (99/9 + 99) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 120 &:= 11^{1+1} - 1 \\ &:= (2 + 2 + 2) \times (22 - 2) \\ &:= 3 + 3 \times (33 + 3 + 3) \\ &:= (4 + 4) \times (44/4 + 4) \\ &:= 5 \times 5 \times 5 - 5 \\ &:= 6 + 6 + 6 \times (6 + 6 + 6) \\ &:= 7 + (777 + 7 + 7)/7 \\ &:= 8 \times (8 + 8) - 8 \\ &:= 9 + 999/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 121 &:= 11 \times 11 \\ &:= (22/2)^2 \\ &:= (33/3)^{3-3/3} \\ &:= (44/4)^{(4+4)/4} \\ &:= 5 + 5 + 555/5 \\ &:= 66 \times 66/(6 \times 6) \\ &:= ((7 + 7)/7)^7 - 7 \\ &:= 8 \times (8 + 8) - 8 + 8/8 \\ &:= 9 + (999 + 9)/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 122 &:= 111 + 11 \\ &:= (222 + 22)/2 \\ &:= (333 + 33)/3 \\ &:= (444 + 44)/4 \\ &:= (555 + 55)/5 \\ &:= (666 + 66)/6 \\ &:= (777 + 77)/7 \\ &:= (888 + 88)/8 \\ &:= (999 + 99)/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 123 &:= 1 + 1 + 11 \times 11 \\ &:= 2 + (22/2)^2 \\ &:= 3^3 - 3 + 3 \times 33 \\ &:= 4 + 4 + 4 + 444/4 \\ &:= 5 \times 5 \times 5 - (5 + 5)/5 \\ &:= 6 + 6 + 666/6 \\ &:= (777 + 77 + 7)/7 \\ &:= (888 + 88 + 8)/8 \\ &:= (999 + 99 + 9)/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 124 &:= 1 + 1 + 1 + 11 \times 11 \\ &:= 2 \times (2^{2+2+2} - 2) \\ &:= 3 + (33/3)^{3-3/3} \\ &:= 4 \times 4 \times (4 + 4) - 4 \\ &:= 5 \times 5 \times 5 - 5/5 \\ &:= 6 + 6 + (666 + 6)/6 \\ &:= 7 + 7 + (777 - 7)/7 \\ &:= 8 \times (8 + 8) - 8 \times 8/(8 + 8) \\ &:= 9 + 9 + 9 + 99 - (9 + 9)/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 125 &:= 1 + 1 + 1 + 1 + 11 \times 11 \\ &:= 2 + (22/2)^2 + 2 \\ &:= (3 - 3/3 + 3)^3 \\ &:= 44 + (4 - 4/4)^4 \\ &:= 5 \times 5 \times 5 \\ &:= 66 + 66 - 6 - 6/6 \\ &:= 7 + 7 + 777/7 \\ &:= 8 + 8 \times (8 + 8) - 88/8 \\ &:= 9 + 99 + 9 + 9 - 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 126 &:= 1 + 1 + 1 + 1 + 1 + 11 \times 11 \\ &:= 2 \times 2^{2+2+2} - 2 \\ &:= 3 \times (3 \times 3 + 33) \\ &:= (4^4 - 4) \times 4/(4 + 4) \\ &:= 5/5 + 5 \times 5 \times 5 \\ &:= 66 + 66 - 6 \\ &:= 77 + 7 \times 7 \\ &:= 8 \times (8 + 8) - (8 + 8)/8 \\ &:= 9 + (99 + 9 + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 127 &:= 111 + (1 + 1)^{1+1+1+1} \\ &:= (2^{2 \times (2+2)} - 2)/2 \\ &:= 3^3 + (3 \times 33 + 3/3) \\ &:= 4 \times 4 + 444/4 \\ &:= 5 \times 5 \times 5 + (5 + 5)/5 \\ &:= 6 + 66 \times 66/(6 \times 6) \\ &:= 7/7 + (77 + 7 \times 7) \\ &:= 8 \times (8 + 8) - 8/8 \\ &:= 99 + 9 + 9 + 9 + 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 128 &:= (1 + 1)^{1+(1+1) \times (1+1+1)} \\ &:= 2 \times 2^{2+2+2} \\ &:= 3 + (3 - 3/3 + 3)^3 \\ &:= 4 \times 4 \times (4 + 4) \\ &:= 5 + 5 \times 5 \times 5 - (5 + 5)/5 \\ &:= ((6 + 6)/6)^{6+6/6} \\ &:= ((7 + 7)/7)^7 \\ &:= 8 \times (8 + 8) \\ &:= 99 + 9 + 9 + 99/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 129 &:= 11 \times (1 + 11) - 1 - 1 - 1 \\ &:= (2^{2 \times (2+2)} + 2)/2 \\ &:= 3 + (3 \times 33 + 3^3) \\ &:= 4/4 + 4 \times 4 \times (4 + 4) \\ &:= 5 + (5 \times 5 \times 5 - 5/5) \\ &:= 6 + 6 + 6 + 666/6 \\ &:= 7/7 + ((7 + 7)/7)^7 \\ &:= 8/8 + 8 \times (8 + 8) \\ &:= 9 + 9 + 999/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 130 &:= (11 - 1) \times (1 + 1 + 11) \\ &:= 2 + 2 \times 2^{2+2+2} \\ &:= 3 + 3 \times 33 + 3^3 + 3/3 \\ &:= (4^4 + 4)/((4 + 4)/4) \\ &:= 5 + 5 \times 5 \times 5 \\ &:= 66 + ((6 + 6)/6)^6 \\ &:= (7 + 7)/7 + ((7 + 7)/7)^7 \\ &:= 8 \times (8 + 8) + (8 + 8)/8 \\ &:= 9 + 9 + (999 + 9)/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 131 &:= 11 \times (1 + 11) - 1 \\ &:= 2 + (2^{2 \times (2+2)} + 2)/2 \\ &:= 3 + 3 + (3 + 3 - 3/3)^3 \\ &:= 4 + 444/4 + 4 \times 4 \\ &:= 5 + 5 \times 5 \times 5 + 5/5 \\ &:= 66 + 66 - 6/6 \\ &:= 7 + 7 + 7 + (777 - 7)/7 \\ &:= 8 \times (8 + 8) + 88/8 - 8 \\ &:= 9 + (999 + 99)/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 132 &:= 11 \times (1 + 11) \\ &:= 22 \times (2 + 2 + 2) \\ &:= 33 + 3 \times 33 \\ &:= 4 + 4 \times 4 \times (4 + 4) \\ &:= 5 + 5 \times 5 \times 5 + (5 + 5)/5 \\ &:= 66 + 66 \\ &:= 7 + 7 + 7 + 777/7 \\ &:= 88 + 88 \times 8/(8 + 8) \\ &:= 99 \times (99 + 9)/(9 \times 9) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 133 &:= 1 + 11 \times (1 + 11) \\
&:= 22 + 222/2 \\
&:= 33 + 3 \times 33 + 3/3 \\
&:= 4 + 4 \times 4 \times (4 + 4) + 4/4 \\
&:= 5 + 5 + 5 \times 5 \times 5 - (5 + 5)/5 \\
&:= 66 + 66 + 6/6 \\
&:= 7 + 77 + 7 \times 7 \\
&:= (8 - 8/8) \times (88/8 + 8) \\
&:= 9 \times (9 + 9) - 9 - 9 - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 134 &:= 1 + 1 + 11 \times (1 + 11) \\
&:= 2 + 22 \times (2 + 2 + 2) \\
&:= 3 \times 3 + (3 - 3/3 + 3)^3 \\
&:= 4 + (4^4 + 4) \times 4/(4 + 4) \\
&:= 5 + 5 + 5 \times 5 \times 5 - 5/5 \\
&:= 6 + ((6 + 6)/6)^{6/6+6} \\
&:= 7 + 77 + 7 \times 7 + 7/7 \\
&:= 8 + 8 \times (8 + 8) - (8 + 8)/8 \\
&:= 9 + 9 + 9 + 9 + 99 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 135 &:= 1 + 1 + 1 + 11 \times (1 + 11) \\
&:= 2 + 22 + 222/2 \\
&:= 3 + 33 + 33 \times 3 \\
&:= (4 - 4/4) \times (44 + 4/4) \\
&:= 5 + 5 + 5 \times 5 \times 5 \\
&:= 6 + 6 + 6 + 6 + 666/6 \\
&:= 7 + ((7 + 7)/7)^7 \\
&:= 8 + 8 \times (8 + 8) - 8/8 \\
&:= 9 + 9 + 9 + 9 + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 136 &:= 1 + 1 + 1 + 1 + 11 \times (1 + 11) \\
&:= 2 + 2 + 22 \times (2 + 2 + 2) + 2 \\
&:= (3/3 + 3) \times (3/3 + 33) \\
&:= 4 + 4 + 4 \times 4 \times (4 + 4) \\
&:= 5 \times 5 + 555/5 \\
&:= 6 + ((6 + 6)/6)^6 + 66 \\
&:= 7 + ((7 + 7)/7)^7 + 7/7 \\
&:= 8 + 8 \times (8 + 8) \\
&:= (9 - 9/9) \times (9 + 9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 137 &:= 111 + (1 + 1) \times (1 + 1 + 11) \\
&:= 2^{2+2} + (22/2)^2 \\
&:= 3^3 + (333 - 3)/3 \\
&:= 4 + 4 \times 4 \times (4 + 4) + 4/4 + 4 \\
&:= 5 \times 5 + (555 + 5)/5 \\
&:= 6 + 66 + 66 - 6/6 \\
&:= 77 + 77/7 + 7 \times 7 \\
&:= 8 + 8 \times (8 + 8) + 8/8 \\
&:= 99 + 9 + 9 + 9 + 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 138 &:= 111 + (1 + 1 + 1)^{1+1+1} \\
&:= (2/2 + 2) \times (2 \times 22 + 2) \\
&:= 3^3 + 333/3 \\
&:= 4 + (4^4 + 4) \times 4/(4 + 4) + 4 \\
&:= (5 \times 5 \times 55 + 5)/(5 + 5) \\
&:= 6 + 66 + 66 \\
&:= 77 + 7 \times 7 + (77 + 7)/7 \\
&:= 8 + 8 \times (8 + 8) + (8 + 8)/8 \\
&:= 9 + 9 + 9 + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 139 &:= (11 - 1) \times (1 + 1 + 1 + 11) - 1 \\
&:= (2^{2 \times (2+2)} + 22)/2 \\
&:= 3^3 + (333 + 3)/3 \\
&:= 44/4 + 4 \times 4 \times (4 + 4) \\
&:= 5 \times (5 \times 5 + 5) - 55/5 \\
&:= 6 + 66 + 66 + 6/6 \\
&:= 77/7 + ((7 + 7)/7)^7 \\
&:= 8 \times (8 + 8) + 88/8 \\
&:= 9 + 9 + 9 + (999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 140 &:= (11 - 1) \times (1 + 1 + 1 + 11) \\
&:= 2 \times (2 \times (22 + 2) + 22) \\
&:= 3 + (333 - 3)/3 + 3^3 \\
&:= 4 \times (4 \times (4 + 4) + 4) - 4 \\
&:= 5 + 5 + 5 + 5 \times 5 \times 5 \\
&:= 6 + ((6 + 6)/6)^{6/6+6} + 6 \\
&:= 7 \times (7 + 7 + 7) - 7 \\
&:= 8 \times (8 + 8) + (88 + 8)/8 \\
&:= 9 + 9 + (999 + 99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 141 &:= (1 + 11)^{1+1} - 1 - 1 - 1 \\
&:= 22 + (22/2)^2 - 2 \\
&:= 33 + 3 \times (33 + 3) \\
&:= 4^4 - 4 - 444/4 \\
&:= 5 + 5 \times 5 + 555/5 \\
&:= 6 \times 6 + 666/6 - 6 \\
&:= 7/7 + 7 \times (7 + 7 + 7) - 7 \\
&:= 8 \times 8 + 88 - 88/8 \\
&:= 9 + 99 \times (99 + 9)/(9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 142 &:= (1 + 11)^{1+1} - 1 - 1 \\
&:= (2 \times (2 + 2 + 2))^2 - 2 \\
&:= 3 + (333 + 3)/3 + 3^3 \\
&:= 4 \times 4 + (4^4 - 4) \times 4/(4 + 4) \\
&:= 5 + 5 \times 5 + (555 + 5)/5 \\
&:= (6 + 6) \times (6 + 6) - (6 + 6)/6 \\
&:= 7 + 7 + ((7 + 7)/7)^7 \\
&:= 8 + 8 + 8 \times (8 + 8) - (8 + 8)/8 \\
&:= 9 \times (9 + 9) - 9 - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 143 &:= 11 \times (1 + 1 + 11) \\
&:= 22 + (22/2)^2 \\
&:= 33 + (333 - 3)/3 \\
&:= 4 \times (4 + 4) + 444/4 \\
&:= 5 + (5 \times 5 \times 55 + 5)/(5 + 5) \\
&:= (6 + 6) \times (6 + 6) - 6/6 \\
&:= 77 + 77 - 77/7 \\
&:= 8 + 8 + 8 \times (8 + 8) - 8/8 \\
&:= 9 \times (9 + 9) - 9 - 9 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 144 &:= (1 + 11)^{1+1} \\
&:= (2 \times (2 + 2 + 2))^2 \\
&:= (3 + 3) \times (3^3 - 3) \\
&:= 4 \times (4 \times (4 + 4) + 4) \\
&:= (5/5 + 5) \times (5 \times 5 - 5/5) \\
&:= (6 + 6) \times (6 + 6) \\
&:= (7/7 + 7) \times (77/7 + 7) \\
&:= 8 + 8 \times (8 + 8) + 8 \\
&:= (9 + 9) \times (9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 145 &:= 1 + (1 + 11)^{1+1} \\
&:= 2 + (22/2)^2 + 22 \\
&:= 3/3 + (3 + 3) \times (3^3 - 3) \\
&:= 4^4 - 444/4 \\
&:= 5 \times (5 \times 5 + 5) - 5 \\
&:= 6/6 + (6 + 6) \times (6 + 6) \\
&:= 7 \times (7 + 7 + 7) - (7 + 7)/7 \\
&:= 8 + 8 + 8 \times (8 + 8) + 8/8 \\
&:= 9/9 + (9 + 9) \times (9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 146 &:= 1 + 1 + (1 + 11)^{1+1} \\
&:= 2 + (2 \times (2 + 2 + 2))^2 \\
&:= 3 + (333 - 3)/3 + 33 \\
&:= 4^4 + (4 - 444)/4 \\
&:= 5/5 + 5 \times (5 \times 5 + 5) - 5 \\
&:= 6 \times 6 + (666 - 6)/6 \\
&:= 7 \times (7 + 7 + 7) - 7/7 \\
&:= 8 + 8 + 8 \times (8 + 8) + (8 + 8)/8 \\
&:= (9 + 9)/9 + (9 + 9) \times (9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 147 &:= 1 + 1 + 1 + (1 + 11)^{1+1} \\
&:= (22/2 + 2)^2 - 22 \\
&:= 3 + (3 + 3) \times (3^3 - 3) \\
&:= 4 + 444/4 + 4 \times (4 + 4) \\
&:= 5 \times 5 + (555 + 5)/5 \\
&:= 6 \times 6 + 666/6 \\
&:= 7 \times (7 + 7 + 7) \\
&:= 8 + 8 \times (8 + 8) + 88/8 \\
&:= 9 + 9 + 9 + 9 + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 148 &:= 1+1+1+1+(1+11)^{1+1} \\
&:= 2+2+(2 \times (2+2+2))^2 \\
&:= (33 \times 3^3 - 3)/(3+3) \\
&:= 4+4 \times (4 \times (4+4)+4) \\
&:= 5 \times (5 \times 5+5) - (5+5)/5 \\
&:= 6 \times 6 + (666+6)/6 \\
&:= 7/7+7 \times (7+7+7) \\
&:= 888/(8-(8+8)/8) \\
&:= 99+(9 \times 99-9)/(9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 149 &:= 1+1+1+1+1+(1+11)^{1+1} \\
&:= 2+(22/2+2)^2-22 \\
&:= (33 \times 3^3+3)/(3+3) \\
&:= 4+4^4-444/4 \\
&:= 5 \times (5 \times 5+5)-5/5 \\
&:= 6+(6+6) \times (6+6)-6/6 \\
&:= 7+((7+7)/7)^7+7+7 \\
&:= 8+8 \times 8+88-88/8 \\
&:= 99+(9 \times 99+9)/(9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 150 &:= (11-1) \times (1+1+1+1+11) \\
&:= 22+2 \times 2^{2+2+2} \\
&:= 3+(3+3) \times (3^3-3)+3 \\
&:= (44+4^4)/((4+4)/4) \\
&:= 5 \times (5 \times 5+5) \\
&:= 6+(6+6) \times (6+6) \\
&:= 7+77+77-77/7 \\
&:= 8 \times 8+88-(8+8)/8 \\
&:= 9 \times (9+9)-(99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 151 &:= 1+(11-1) \times (1+1+1+1+11) \\
&:= 22+(2^{2 \times (2+2)}+2)/2 \\
&:= (3+3) \times 3^3-33/3 \\
&:= 44+444/4-4 \\
&:= 5/5+5 \times (5 \times 5+5) \\
&:= 6+(6+6) \times (6+6)+6/6 \\
&:= 7+(7/7+7) \times (77/7+7) \\
&:= 8 \times 8+(88-8)/8 \\
&:= 9 \times (9+9)-99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 152 &:= 11 \times (1+1+1+11)-1-1 \\
&:= 2 \times 2 \times ((2+2+2)^2+2) \\
&:= 3^3+(3-3/3+3)^3 \\
&:= 4 \times (44-4)-4-4 \\
&:= (5+5)/5+5 \times (5 \times 5+5) \\
&:= 6 \times 6 \times 6-((6+6)/6)^6 \\
&:= 77+77-(7+7)/7 \\
&:= 8 \times 8+88 \\
&:= 9 \times (9+9)-9/9-9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 153 &:= 11 \times (1+1+1+11)-1 \\
&:= 2 \times 22+222/2-2 \\
&:= 3 \times (3^3-3+3^3) \\
&:= 4+4+4^4-444/4 \\
&:= 5+5 \times (5 \times 5+5)-(5+5)/5 \\
&:= 6+666/6+6 \times 6 \\
&:= 77+77-7/7 \\
&:= 8/8+8 \times 8+88 \\
&:= 9 \times (9+9)-9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 154 &:= 11 \times (1+1+1+11) \\
&:= 22+22 \times (2+2+2) \\
&:= 33/3 \times (33/3+3) \\
&:= 44+(444-4)/4 \\
&:= 5+5 \times (5 \times 5+5)-5/5 \\
&:= 6+(666+6)/6+6 \times 6 \\
&:= 77+77 \\
&:= 8 \times 8+(8+8)/8+88 \\
&:= 9/9+9 \times (9+9)-9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 155 &:= 11+(1+11)^{1+1} \\
&:= 2 \times 22+222/2 \\
&:= 3+(3-3/3+3)^3+3^3 \\
&:= 44+444/4 \\
&:= 5+5 \times (5 \times 5+5) \\
&:= 66/6+(6+6) \times (6+6) \\
&:= 7/7+77+77 \\
&:= 8+8+8 \times (8+8)+88/8 \\
&:= (9+9)/9+9 \times (9+9)-9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 156 &:= (1+11) \times (1+1+11) \\
&:= 2 \times (2 \times 2 \times (22-2)-2) \\
&:= (3+3) \times (3^3-3/3) \\
&:= 4 \times (44-4)-4 \\
&:= (5^5-5)/(5 \times 5-5) \\
&:= 6+(6+6) \times (6+6)+6 \\
&:= 77+77+(7+7)/7 \\
&:= 8+888/(8-(8+8)/8) \\
&:= 9 \times (9+9)+(9+9+9)/9-9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 157 &:= 1+(1+11) \times (1+1+11) \\
&:= 2+222/2+2 \times 22 \\
&:= 3+33/3 \times (33/3+3) \\
&:= 4/4+4 \times (44-4)-4 \\
&:= 5 \times 5 \times 5+((5+5)/5)^5 \\
&:= 6+6+(6+6) \times (6+6)+6/6 \\
&:= 77+(7+7+7)/7+77 \\
&:= 88+88-8-88/8 \\
&:= 9 \times (9+9)+(9-99)/(9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 158 &:= (1+1+11)^{1+1}-11 \\
&:= 2 \times ((2/2+2)^{2+2}-2) \\
&:= 33+(3-3/3+3)^3 \\
&:= 4 \times (44-4)-(4+4)/4 \\
&:= 5 \times ((5+5)/5)^5-(5+5)/5 \\
&:= 6+6 \times 6 \times 6-((6+6)/6)^6 \\
&:= 77/7+7 \times (7+7+7) \\
&:= 8+88-(8+8)/8+8 \times 8 \\
&:= 9 \times (9+9)+(9-9 \times 9)/(9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 159 &:= 1+(1+1+11)^{1+1}-11 \\
&:= 222/2+2 \times (22+2) \\
&:= (3+3) \times 3^3-3 \\
&:= 4 \times (44-4)-4/4 \\
&:= (55+5^5)/(5 \times 5-5) \\
&:= 6 \times 6+6+6+666/6 \\
&:= 7 \times 7+(777-7)/7 \\
&:= 8+8 \times 8+88-8/8 \\
&:= 9 \times (9+9)-(9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 160 &:= (1+1) \times ((11-1-1)^{1+1}-1) \\
&:= 2 \times 2 \times 2 \times (22-2) \\
&:= 3/3+(3+3) \times 3^3-3 \\
&:= 4 \times (44-4) \\
&:= 5 \times ((5+5)/5)^5 \\
&:= 6+(666+6)/6+6 \times 6+6 \\
&:= 7 \times 7+777/7 \\
&:= 8+8 \times 8+88 \\
&:= 9 \times (9+9)-(9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 161 &:= (1+1) \times (11-1-1)^{1+1}-1 \\
&:= ((2^{2+2}+2)^2-2)/2 \\
&:= (3+3) \times 3^3-3/3 \\
&:= 4/4+4 \times (44-4) \\
&:= 5+(5^5-5)/(5 \times 5-5) \\
&:= 6+(6+6) \times (6+6)+66/6 \\
&:= 7+77+77 \\
&:= 8+8 \times 8+88+8/8 \\
&:= 9 \times (9+9)-9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 162 &:= (1+1) \times (11-1-1)^{1+1} \\
&:= 2 \times (2/2+2)^{2+2} \\
&:= (3+3) \times 3^3 \\
&:= (4+4)/4+4 \times (44-4) \\
&:= 5+5 \times 5 \times 5+((5+5)/5)^5 \\
&:= 6+(6+6) \times (6+6)+6+6 \\
&:= 7+77+77+7/7 \\
&:= 8+88+8 \times 8+(8+8)/8 \\
&:= 9 \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 163 &:= 1 + (1+1) \times (11-1-1)^{1+1} \\
&:= ((2^{2+2} + 2)^2 + 2)/2 \\
&:= 3/3 + (3+3) \times 3^3 \\
&:= 4+4 \times (44-4) - 4/4 \\
&:= 5 \times 55 - (555+5)/5 \\
&:= 6 \times (6 \times 6 - 6) - 66/6 - 6 \\
&:= 7 + 77 + 77 + (7+7)/7 \\
&:= 8 \times 8 + 88 + 88/8 \\
&:= 9/9 + 9 \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 164 &:= (1+1) \times (1 + (11-1-1)^{1+1}) \\
&:= 2 + 2 \times (2/2 + 2)^{2+2} \\
&:= 3 + (3+3) \times 3^3 - 3/3 \\
&:= 4 + 4 \times (44-4) \\
&:= 5 \times 55 - 555/5 \\
&:= 6 \times 6 + ((6+6)/6)^{6/6+6} \\
&:= 77 + 77 + (77-7)/7 \\
&:= 8 \times 8 + 88 + (88+8)/8 \\
&:= (9+9)/9 + 9 \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 165 &:= 11 \times (1+1+1+1+11) \\
&:= 2 \times 22 + (22/2)^2 \\
&:= 3 + (3+3) \times 3^3 \\
&:= 4 \times 44 - 44/4 \\
&:= 5 + 5 \times ((5+5)/5)^5 \\
&:= 66 \times (6 \times 6 - 6)/(6+6) \\
&:= 77 + 77 + 77/7 \\
&:= 88 + 88 - 88/8 \\
&:= 9 \times (9+9) + (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 166 &:= 1 + 11 \times (1+1+1+1+11) \\
&:= 2 \times ((2/2 + 2)^{2+2} + 2) \\
&:= 3 + (3+3) \times 3^3 + 3/3 \\
&:= 4 \times 44 + (4-44)/4 \\
&:= 55 + 555/5 \\
&:= 6 \times 6 + 66 + ((6+6)/6)^6 \\
&:= 7 + (777-7)/7 + 7 \times 7 \\
&:= 8 \times 8 - 8 + (888-8)/8 \\
&:= 9 \times (9+9) + (9 \times 9 - 9)/(9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 167 &:= (1+1+11)^{1+1} - 1 - 1 \\
&:= (22/2 + 2)^2 - 2 \\
&:= (3 \times 333 + 3)/(3+3) \\
&:= 4 \times 44 - 4 - 4 - 4/4 \\
&:= 55 + (555+5)/5 \\
&:= 6 \times 6 + 66 + 66 - 6/6 \\
&:= 7 + 7 \times 7 + 777/7 \\
&:= 8 \times 8 - 8 + 888/8 \\
&:= 9 \times (9+9) + (9 \times 9 + 9)/(9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 168 &:= (1+1+11)^{1+1} - 1 \\
&:= 2 \times 2 \times (2 \times 22 - 2) \\
&:= 3 + (3+3) \times 3^3 + 3 \\
&:= 4 \times 44 - 4 - 4 \\
&:= 55 + (555+5+5)/5 \\
&:= 6 \times 6 + (66+66) \\
&:= 7 + ((77+77) + 7) \\
&:= 88 + (88-8) \\
&:= 9 + (9 \times (9+9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 169 &:= (1+1+11)^{1+1} \\
&:= (22/2 + 2)^2 \\
&:= 3 + 3 + (3+3) \times 3^3 + 3/3 \\
&:= 4 + 4 \times 44 - 44/4 \\
&:= 5 + 5 \times 55 - 555/5 \\
&:= (6/6 + 6 + 6)^{(6+6)/6} \\
&:= (7-7/7 + 7)^{(7+7)/7} \\
&:= 8/8 + 88 + 88 - 8 \\
&:= 9 + 9 \times (9+9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 170 &:= 1 + (1+1+11)^{1+1} \\
&:= 2 + 2 \times (2 \times (2 \times 22 - 2)) \\
&:= 3 + (3 \times 333 + 3)/(3+3) \\
&:= 4 \times 44 - 4 - (4+4)/4 \\
&:= 5 \times (5 \times 5 + 5 + 5) - 5 \\
&:= 66 + (666-6)/6 - 6 \\
&:= 7 \times 7 + ((7+7)/7)^7 - 7 \\
&:= 88 + (8+8)/8 - 8 + 88 \\
&:= 9 + 9 \times (9+9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 171 &:= 1 + 1 + (1+1+11)^{1+1} \\
&:= 2 + (22/2 + 2)^2 \\
&:= 3 \times (3^3 + 3^3 + 3) \\
&:= 4 \times 44 - 4 - 4/4 \\
&:= 5 + 55 + 555/5 \\
&:= 66 + 666/6 - 6 \\
&:= (7 \times 7 \times 7 \times 7 - 7)/(7+7) \\
&:= (8/8 + 8) \times (88/8 + 8) \\
&:= 9 + 9 \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 172 &:= 1 + 1 + 1 + (1+1+11)^{1+1} \\
&:= 2 \times (2 \times 2 \times 22 - 2) \\
&:= 3 \times 3 + (3+3) \times 3^3 + 3/3 \\
&:= 4 \times 44 - 4 \\
&:= 5 + 55 + (555+5)/5 \\
&:= 66 - 6 + (666+6)/6 \\
&:= (7 \times 7 \times 7 \times 7 + 7)/(7+7) \\
&:= 88 + 88 - 8 \times 8/(8+8) \\
&:= 9 + 9 \times (9+9) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 173 &:= 1 + 1 + 1 + 1 + (1+1+11)^{1+1} \\
&:= 2 + (22/2 + 2)^2 + 2 \\
&:= (3+3) \times 3^3 + 33/3 \\
&:= 4 \times 44 - 4 + 4/4 \\
&:= 5 \times (5 \times 5 + 5 + 5) - (5+5)/5 \\
&:= 6 \times (6 \times 6 - 6) - 6/6 - 6 \\
&:= 77 + 7 \times (7+7) - (7+7)/7 \\
&:= 8 + 88 + 88 - 88/8 \\
&:= 99/9 + 9 \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 174 &:= (1+1) \times (111 - (1+1) \times (1+11)) \\
&:= 2 \times 2 \times 2 \times 22 - 2 \\
&:= 3 + (3+3) \times 3^3 + 3 \times 3 \\
&:= 4 \times 44 - (4+4)/4 \\
&:= 5 \times (5 \times 5 + 5 + 5) - 5/5 \\
&:= 6 \times (6 \times 6 - 6) - 6 \\
&:= 77 + 7 \times (7+7) - 7/7 \\
&:= 8 \times 8 + (888-8)/8 \\
&:= 9 \times (9+9) + (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 175 &:= 11 \times (1+1)^{1+1+1+1} - 1 \\
&:= 2 \times 2 \times 2 \times 22 - 2/2 \\
&:= 333/3 + (3/3 + 3)^3 \\
&:= 4 \times 44 - 4/4 \\
&:= 5 \times (5 \times 5 + 5 + 5) \\
&:= 6/6 + 6 \times (6 \times 6 - 6) - 6 \\
&:= 77 + 7 \times (7+7) \\
&:= 8 \times 8 + 888/8 \\
&:= 9 \times (9+9) + (99+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 176 &:= 11 \times (1+1)^{1+1+1+1} \\
&:= 2 \times 2 \times 2 \times 22 \\
&:= 3 + (3+3) \times 3^3 + 33/3 \\
&:= 4 \times 44 \\
&:= 5/5 + 5 \times (5 \times 5 + 5 + 5) \\
&:= 66 + (666-6)/6 \\
&:= 7/7 + 7 \times (7+7) + 77 \\
&:= 88 + 88 \\
&:= (9-9/9) \times (99+99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 177 &:= 1 + 11 \times (1+1)^{1+1+1+1} \\
&:= 2 \times 2 \times 2 \times 22 + 2/2 \\
&:= 3 \times (3^3 + 33) - 3 \\
&:= 4 \times 44 + 4/4 \\
&:= 55 + (555+55)/5 \\
&:= 66 + 666/6 \\
&:= 7 \times 7 + ((7+7)/7)^7 \\
&:= 88 + 88 + 8/8 \\
&:= 99 + 9 \times 9 - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 178 &:= (1+1) \times (111-11-11) \\
&:= 2+2 \times 2 \times 2 \times 2 \\
&:= 3/3+3 \times (3^3+33)-3 \\
&:= 4 \times 44+(4+4)/4 \\
&:= 55+5 \times 5 \times 5-(5+5)/5 \\
&:= 66+(666+6)/6 \\
&:= 7+(7 \times 7 \times 7 \times 7-7)/(7+7) \\
&:= 88+88+8+8/8 \\
&:= 99+9 \times 9-(9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 179 &:= 11+(1+1+11)^{1+1}-1 \\
&:= 2+(2 \times 2 \times 2 \times 22)+2/2 \\
&:= 3 \times (3^3+33)-3/3 \\
&:= 4+4 \times 44-4/4 \\
&:= 55+5 \times 5 \times 5-5/5 \\
&:= 6 \times (6 \times 6-6)-6/6 \\
&:= 7+(7 \times 7 \times 7 \times 7+7)/(7+7) \\
&:= 8+(8/8+8) \times (88/8+8) \\
&:= 99+9 \times 9-9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 180 &:= 11+(1+1+11)^{1+1} \\
&:= 2 \times (2 \times 2 \times 22+2) \\
&:= 3 \times (3^3+33) \\
&:= 4+4 \times 44 \\
&:= 55+5 \times 5 \times 5 \\
&:= 6 \times (6 \times 6-6) \\
&:= 77+(777-7)/7-7 \\
&:= 88+88+8 \times 8/(8+8) \\
&:= 99+9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 181 &:= 1+11+(1+1+11)^{1+1} \\
&:= 2/2+2 \times (2 \times 2 \times 22+2) \\
&:= 3/3+3 \times (3^3+33) \\
&:= 4+4 \times 44+4/4 \\
&:= 55+5 \times 5 \times 5+5/5 \\
&:= 6/6+6 \times (6 \times 6-6) \\
&:= 77-7+777/7 \\
&:= 8 \times (8+8+8)+88/8 \\
&:= 9/9+99+9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 182 &:= (1+1+11) \times (1+1+1+11) \\
&:= 2+2 \times (2 \times 2 \times 22+2) \\
&:= (3+3)^3-33-3/3 \\
&:= 4+4 \times 44+(4+4)/4 \\
&:= 55+5 \times 5 \times 5+(5+5)/5 \\
&:= 6 \times (6 \times 6-6)+(6+6)/6 \\
&:= 7+77+7 \times (7+7) \\
&:= 8+8 \times 8+(888-8)/8 \\
&:= 9+9 \times (9+9)+99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 183 &:= 1+(1+1+11) \times (1+1+1+11) \\
&:= 2 \times 2 \times (2 \times 22+2)-2/2 \\
&:= (3+3)^3-33 \\
&:= 4+4+4 \times 44-4/4 \\
&:= (5-(5+5)/5)^5-55-5 \\
&:= 6+66+666/6 \\
&:= 7+77+7 \times (7+7)+7/7 \\
&:= 8+8 \times 8+888/8 \\
&:= 9 \times 9-9+999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 184 &:= (1+1) \times (11+(11-1-1)^{1+1}) \\
&:= 2 \times 2 \times (2 \times 22+2) \\
&:= 3/3+(3+3)^3-33 \\
&:= 4+4+4 \times 44 \\
&:= 5+55+5 \times 5 \times 5-5/5 \\
&:= 6+66+(666+6)/6 \\
&:= 7+7 \times 7+((7+7)/7)^7 \\
&:= 8+88+88 \\
&:= 9 \times 9-9+(999+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 185 &:= (1+1+1+11)^{1+1}-11 \\
&:= 2 \times 2 \times (2 \times 22+2)+2/2 \\
&:= 3+(3+3)^3-33-3/3 \\
&:= 4+4+4 \times 44+4/4 \\
&:= 5+55+5 \times 5 \times 5 \\
&:= 6+6 \times (6 \times 6-6)-6/6 \\
&:= (7+7) \times (7+7)-77/7 \\
&:= 8+88+88+8/8 \\
&:= 9+(9-9/9) \times (99+99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 186 &:= ((1+1)^{11}-1-1)/11 \\
&:= 2+2 \times 2 \times (2 \times 22+2) \\
&:= 3+(3+3)^3-33 \\
&:= 4 \times 44+(44-4)/4 \\
&:= 5+5 \times 5 \times 5+55+5/5 \\
&:= 6+6 \times (6 \times 6-6) \\
&:= 77+7 \times (7+7)+77/7 \\
&:= 8+88+88+(8+8)/8 \\
&:= 99+99-(99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 187 &:= 1+((1+1)^{11}-1-1)/11 \\
&:= 2 \times 2 \times 2 \times 22+22/2 \\
&:= 33 \times (3+3)-33/3 \\
&:= 4 \times 44+44/4 \\
&:= 55/5 \times ((55+5)/5+5) \\
&:= 6+6 \times (6 \times 6-6)+6/6 \\
&:= 77+(777-7)/7 \\
&:= 88+88+88/8 \\
&:= 99+99-99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 188 &:= 1+1+((1+1)^{11}-1-1)/11 \\
&:= 2 \times (2 \times (2 \times 22+2)+2) \\
&:= (3+3)^3-3^3-3/3 \\
&:= 444-4^4 \\
&:= (5-(5+5)/5)^5-55 \\
&:= 6+6 \times (6 \times 6-6)+(6+6)/6 \\
&:= 77+777/7 \\
&:= 88+88+(88+8)/8 \\
&:= 9+99+9 \times 9-9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 189 &:= (11-1-1) \times (11+11-1) \\
&:= ((22-2)^2-22)/2 \\
&:= (3+3)^3-3^3 \\
&:= 4/4+444-4^4 \\
&:= 5 \times (55+5)-555/5 \\
&:= 66+6+6+666/6 \\
&:= (7+7) \times (7+7)-7 \\
&:= 8+8 \times (8+8+8)-88/8 \\
&:= 9+99+9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 190 &:= (11-1) \times ((1+1) \times (11-1)-1) \\
&:= 222-2 \times 2^{2+2} \\
&:= 3/3+(3+3)^3-3^3 \\
&:= 4^4-(4^4+4+4)/4 \\
&:= 5+5 \times 5 \times 5+55+5 \\
&:= (6-6/6) \times ((6+6)/6+6 \times 6) \\
&:= 7/7+(7+7) \times (7+7)-7 \\
&:= 8 \times (8+8+8)-(8+8)/8 \\
&:= 9+99+9 \times 9+9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 191 &:= 1+(11-1) \times ((1+1) \times (11-1)-1) \\
&:= 22+(22/2+2)^2 \\
&:= 3 \times (3/3+3)^3-3/3 \\
&:= 4^4-(4^4+4)/4 \\
&:= 5 \times 5+55+555/5 \\
&:= 6 \times (6 \times 6-6)+66/6 \\
&:= 7+((7+7)/7)^7+7 \times 7+7 \\
&:= 8 \times (8+8+8)-8/8 \\
&:= 99+9 \times 9+99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 192 &:= 111+(11-1-1)^{1+1} \\
&:= 2 \times 2 \times 2 \times (22+2) \\
&:= 3 \times (3/3+3)^3 \\
&:= 4 \times (44+4) \\
&:= (5/5+5) \times ((5+5)/5)^5 \\
&:= 6+6 \times (6 \times 6-6)+6 \\
&:= 7+(7+7) \times (7+7)-77/7 \\
&:= 8 \times (8+8+8) \\
&:= 9 \times 9+999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 193 &:= 1 + 111 + (11 - 1 - 1)^{1+1} \\
&:= 2 + (22/2 + 2)^2 + 22 \\
&:= 3/3 + 3 \times (3/3 + 3)^3 \\
&:= 4 \times (44 + 4) + 4/4 \\
&:= 5 + (5 - (5 + 5)/5)^5 - 55 \\
&:= 6 + 6 + 6 \times (6 \times 6 - 6) + 6/6 \\
&:= (7 + 7) \times (7 + 7) - (7 + 7 + 7)/7 \\
&:= 8/8 + 8 \times (8 + 8 + 8) \\
&:= 9 \times 9 + (999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 194 &:= (1 + 1 + 1 + 11)^{1+1} - 1 - 1 \\
&:= (2^{2+2} - 2)^2 - 2 \\
&:= 33 \times (3 + 3) - 3 - 3/3 \\
&:= 4^4 + (4 - 4^4 + 4)/4 \\
&:= 5 \times 5 \times (5 + 5) - 55 - 5/5 \\
&:= 66 + ((6 + 6)/6)^{6/6+6} \\
&:= (7 + 7) \times (7 + 7) - (7 + 7)/7 \\
&:= (8 + 8)/8 + 8 \times (8 + 8 + 8) \\
&:= 9 \times 9 + (999 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 195 &:= (1 + 1 + 1 + 11)^{1+1} - 1 \\
&:= (2^{2+2} - 2)^2 - 2/2 \\
&:= 33 \times (3 + 3) - 3 \\
&:= 4 + 4^4 - (4^4 + 4)/4 \\
&:= 5 \times 5 \times (5 + 5) - 55 \\
&:= (6 \times 66 - 6) \times 6/(6 + 6) \\
&:= (7 + 7) \times (7 + 7) - 7/7 \\
&:= 8 + 88 + 88 + 88/8 \\
&:= 99 + 99 - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 196 &:= (1 + 1 + 1 + 11)^{1+1} \\
&:= (2^{2+2} - 2)^2 \\
&:= 3/3 + 33 \times (3 + 3) - 3 \\
&:= 4 + 4 \times (44 + 4) \\
&:= 5/5 + 5 \times 5 \times (5 + 5) - 55 \\
&:= 66 + 66 + ((6 + 6)/6)^6 \\
&:= (7 + 7) \times (7 + 7) \\
&:= 8 \times (8 + 8 + 8) + 8 \times 8/(8 + 8) \\
&:= 99 + 99 - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 197 &:= 1 + (1 + 1 + 1 + 11)^{1+1} \\
&:= 2/2 + (2^{2+2} - 2)^2 \\
&:= 33 \times (3 + 3) - 3/3 \\
&:= 4 + 4^4 + (4 - 4^4)/4 \\
&:= 5 + (5/5 + 5) \times ((5 + 5)/5)^5 \\
&:= (66 \times (6 + 6 + 6) - 6)/6 \\
&:= 7/7 + (7 + 7) \times (7 + 7) \\
&:= 88 + (888 - 8 - 8)/8 \\
&:= 99 + 99 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 198 &:= (1 + 1) \times 11 \times (11 - 1 - 1) \\
&:= 2 + (2^{2+2} - 2)^2 \\
&:= 33 \times (3 + 3) \\
&:= 4 + 4^4 + (4 - 4^4 + 4)/4 \\
&:= (5 + 5) \times (5 \times 5 - 5) - (5 + 5)/5 \\
&:= 6 \times 66 \times 6/(6 + 6) \\
&:= 77 + ((7 + 7)/7)^7 - 7 \\
&:= 88 + (888 - 8)/8 \\
&:= 99 + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 199 &:= (1 + 1) \times (11 - 1)^{1+1} - 1 \\
&:= ((22 - 2)^2 - 2)/2 \\
&:= 3/3 + 33 \times (3 + 3) \\
&:= 4 + 4 + 4^4 - (4^4 + 4)/4 \\
&:= (5 + 5) \times (5 \times 5 - 5) - 5/5 \\
&:= 6 \times 6 \times 6 - 6 - 66/6 \\
&:= 77 + (777 + 77)/7 \\
&:= 88 + 888/8 \\
&:= 99 + 99 + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 200 &:= (1 + 1) \times (11 - 1)^{1+1} \\
&:= 222 - 22 \\
&:= 3 + 33 \times (3 + 3) - 3/3 \\
&:= 4 + 4 + 4 \times (44 + 4) \\
&:= (5 + 5) \times (5 \times 5 - 5) \\
&:= 6 \times 6 \times 6 - 6 + (6 - 66)/6 \\
&:= (7 + 7) \times (7 + 7) - 7 + 77/7 \\
&:= 8 + 8 \times (8 + 8 + 8) \\
&:= 99 + 99 + (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 201 &:= 1 + (1 + 1) \times (11 - 1)^{1+1} \\
&:= ((22 - 2)^2 + 2)/2 \\
&:= 3 + 33 \times (3 + 3) \\
&:= 4^4 - 44 - 44/4 \\
&:= 5/5 + (5 + 5) \times (5 \times 5 - 5) \\
&:= (6 \times 66 + 6) \times 6/(6 + 6) \\
&:= 7 + (7 + 7) \times (7 + 7) - (7 + 7)/7 \\
&:= 8 + 8 \times (8 + 8 + 8) + 8/8 \\
&:= 9 + 9 \times 9 + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 202 &:= (1 + 1) \times (1 + (11 - 1)^{1+1}) \\
&:= 2 + 222 - 22 \\
&:= 3 + 33 \times (3 + 3) + 3/3 \\
&:= 4^4 + (4 - 44)/4 - 44 \\
&:= (5 + 5)/5 + (5 + 5) \times (5 \times 5 - 5) \\
&:= 6 \times 6 \times 6 - 6 - 6 - (6 + 6)/6 \\
&:= 7 + (7 + 7) \times (7 + 7) - 7/7 \\
&:= 8 + 8 \times (8 + 8 + 8) + (8 + 8)/8 \\
&:= 9 + 9 \times 9 + (999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 203 &:= 1 + (1 + 1) \times (1 + (11 - 1)^{1+1}) \\
&:= 2 + ((22 - 2)^2 + 2)/2 \\
&:= 3 + 3 + 33 \times (3 + 3) - 3/3 \\
&:= 4^4 + (44 - 4^4)/4 \\
&:= (5^5 - 5)/(5 + 5 + 5) - 5 \\
&:= 6 \times 6 \times 6 - 6 - 6 - 6/6 \\
&:= 7 + (7 + 7) \times (7 + 7) \\
&:= 8 \times (8 + 8 + 8) + 88/8 \\
&:= 9 \times 9 + (999 + 99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 204 &:= (1 + 1) \times (1 + 1 + (11 - 1)^{1+1}) \\
&:= 2 + 2 + 222 - 22 \\
&:= 3 + 33 \times (3 + 3) + 3 \\
&:= 44 + 4 \times (44 - 4) \\
&:= 5 + (5 + 5) \times (5 \times 5 - 5) - 5/5 \\
&:= 6 \times 6 \times 6 - 6 - 6 \\
&:= 7 + (7 + 7) \times (7 + 7) + 7/7 \\
&:= (88 + 8)/8 + 8 \times (8 + 8 + 8) \\
&:= (999/9 - 9) \times (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 205 &:= (1 + 1 + (1 + 1)^{11})/(11 - 1) \\
&:= 2 + 2 + ((22 - 2)^2 + 2)/2 \\
&:= (3 + 3)^3 - 33/3 \\
&:= ((4 + 4)^4 + 4)/(4 \times 4 + 4) \\
&:= 5 + (5 + 5) \times (5 \times 5 - 5) \\
&:= 6 \times 6 \times 6 - 66/6 \\
&:= 77 + ((7 + 7)/7)^7 \\
&:= 88 + 8 \times (8 + 8) - 88/8 \\
&:= 9 + 99 + 99 - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 206 &:= 1 + (1 + 1 + (1 + 1)^{11})/(11 - 1) \\
&:= 222 - 2^{2+2} \\
&:= (3 + 3)^3 + (3 - 33)/3 \\
&:= 4^4 + 44 + 4 - (4 + 4)/4 \\
&:= 5 + (5 + 5) \times (5 \times 5 - 5) + 5/5 \\
&:= 6 \times 6 \times 6 + (6 - 66)/6 \\
&:= 77 + 7/7 + ((7 + 7)/7)^7 \\
&:= 8 + 88 + (888 - 8)/8 \\
&:= 9 + 99 + 99 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 207 &:= 11 + (1 + 1 + 1 + 11)^{1+1} \\
&:= 2/2 + 222 - 2^{2+2} \\
&:= (3 + 3)^3 - 3 \times 3 \\
&:= 4^4 - 4 - 44 - 4/4 \\
&:= (5^5 - 5 \times 5 + 5)/(5 + 5 + 5) \\
&:= 6 + (6 \times 66 + 6) \times 6/(6 + 6) \\
&:= (7 + 7) \times (7 + 7) + 77/7 \\
&:= 8 + 88 + 888/8 \\
&:= 9 + 99 + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 208 &:= (1+1) \times (111-1) - 1 - 11 \\
&:= 2 + 222 - 2^{2+2} \\
&:= 3 + (3+3)^3 - 33/3 \\
&:= 4 \times (44+4+4) \\
&:= (5^5 - 5)/(5+5+5) \\
&:= 6 \times 6 \times 6 - 6 - (6+6)/6 \\
&:= 7 \times (7+7) + (777-7)/7 \\
&:= 8+8+8 \times (8+8+8) \\
&:= 9+99+99+9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 209 &:= 11 \times ((1+1) \times (11-1) - 1) \\
&:= 222 - 22/2 - 2 \\
&:= 33/3 + 33 \times (3+3) \\
&:= 4/4 + 4 \times (44+4+4) \\
&:= (5^5 + 5+5)/(5+5+5) \\
&:= 6 \times 6 \times 6 - 6/6 - 6 \\
&:= 7 \times (7+7) + 777/7 \\
&:= 88/8 \times (88/8+8) \\
&:= 99+99+99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 210 &:= (11-1) \times (11+11-1) \\
&:= 222 - 2 \times (2+2+2) \\
&:= (3+3)^3 - 3 - 3 \\
&:= 4^4 - 44 - (4+4)/4 \\
&:= 5 + (5+5) \times (5 \times 5 - 5) + 5 \\
&:= 6 \times 6 \times 6 - 6 \\
&:= 7+7+(7+7) \times (7+7) \\
&:= 88 + (888+88)/8 \\
&:= 99+999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 211 &:= (1+1) \times 111 - 11 \\
&:= 222 - 22/2 \\
&:= 3/3 + (3+3)^3 - 3 - 3 \\
&:= 4^4 - 44 - 4/4 \\
&:= 55 + (5^5 - 5)/(5 \times 5 - 5) \\
&:= 6 \times 6 \times 6 - 6 + 6/6 \\
&:= 7+7+(7+7) \times (7+7) + 7/7 \\
&:= 8+8 \times (8+8+8) + 88/8 \\
&:= 99 + (999+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 212 &:= 1 + (1+1) \times 111 - 11 \\
&:= 222 + ((2-22)/2) \\
&:= (3+3)^3 - (3/3+3) \\
&:= 4^4 - 44 \\
&:= (55+5^5)/(5+5+5) \\
&:= 6 \times 6 \times 6 - 6 + (6+6)/6 \\
&:= 77+7+((7+7)/7)^7 \\
&:= (8 \times 8 \times 8 - 88) \times 8/(8+8) \\
&:= 99 + (999+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 213 &:= (1+1) \times (1+111) - 11 \\
&:= 2 + 222 - 22/2 \\
&:= (3+3)^3 - 3 \\
&:= 4^4 - 44 + 4/4 \\
&:= 5 + (5^5 - 5)/(5+5+5) \\
&:= 6 \times 6 \times 6 - 6 \times 6/(6+6) \\
&:= 7+77+((7+7)/7)^7 + 7/7 \\
&:= 8+88+8 \times (8+8) - 88/8 \\
&:= (9+9) \times (9+9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 214 &:= 1 + (1+1) \times (1+111) - 11 \\
&:= 222 - 2 \times (2+2) \\
&:= 3/3 + (3+3)^3 - 3 \\
&:= 4^4 - 44 + (4+4)/4 \\
&:= 5 + (5^5 + 5+5)/(5+5+5) \\
&:= 6 \times 6 \times 6 - (6+6)/6 \\
&:= 7 + (7+7) \times (7+7) + 77/7 \\
&:= 88+8 \times (8+8) - (8+8)/8 \\
&:= (9+9)/9 \times (99+9-9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 215 &:= (1+1) \times (1+1+111) - 11 \\
&:= 2+2+222 - 22/2 \\
&:= (3+3)^3 - 3/3 \\
&:= 4+4^4 - 44 - 4/4 \\
&:= 5 \times 55 - 55 - 5 \\
&:= 6 \times 6 \times 6 - 6/6 \\
&:= 7 \times 7 \times 7 - ((7+7)/7)^7 \\
&:= 88+8 \times (8+8) - 8/8 \\
&:= ((9+9) \times (99+9) - 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 216 &:= (1+1) \times (111 - (1+1+1)) \\
&:= (2+2+2)^{2/2+2} \\
&:= (3+3)^3 \\
&:= 4+4^4 - 44 \\
&:= (5-5/5) \times (55-5/5) \\
&:= 6 \times 6 \times 6 \\
&:= (7-7/7)^{(7+7+7)/7} \\
&:= 88+8 \times (8+8) \\
&:= 9+9+99+99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 217 &:= (1+1) \times (111-1-1) - 1 \\
&:= 222 - 2 - 2 - 2/2 \\
&:= (3+3)^3 + 3/3 \\
&:= 4+4^4 - 44 + 4/4 \\
&:= 5 + (55+5^5)/(5+5+5) \\
&:= 6/6+6 \times 6 \times 6 \\
&:= 7 \times (7 \times 7 - 7) - 77 \\
&:= 8/8+8 \times (8+8) + 88 \\
&:= 9 \times 9 \times 9 - ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 218 &:= (1+1) \times (111-1-1) \\
&:= 222 - 2 - 2 \\
&:= 3 + (3+3)^3 - 3/3 \\
&:= 444 \times 4/(4+4) - 4 \\
&:= (5 - (5+5)/5)^5 - 5 \times 5 \\
&:= 6 \times 6 \times 6 + (6+6)/6 \\
&:= 7/7+7 \times (7 \times 7 - 7) - 77 \\
&:= 88+8 \times (8+8) + (8+8)/8 \\
&:= 9+99+99+99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 219 &:= (1+1) \times (111-1) - 1 \\
&:= 222 - 2/2 - 2 \\
&:= 3 + (3+3)^3 \\
&:= 44+4 \times 44 - 4/4 \\
&:= 5 \times 55 - 55 - 5/5 \\
&:= 6 \times 6 \times 6 + 6 \times 6/(6+6) \\
&:= 77+7+7+((7+7)/7)^7 \\
&:= 8+8+8 \times (8+8+8) + 88/8 \\
&:= 9+99+999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 220 &:= (1+1) \times (111-1) \\
&:= 222 - 2 \\
&:= 3 + (3+3)^3 + 3/3 \\
&:= 44+4 \times 44 \\
&:= 55 \times (5-5/5) \\
&:= 6+6 \times 6 \times 6 - (6+6)/6 \\
&:= 77/7 \times (7-7/7+7+7) \\
&:= (8+8) \times (888-8)/(8 \times 8) \\
&:= 99/9 \times (99/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 221 &:= (1+1) \times 111 - 1 \\
&:= 222 - 2/2 \\
&:= 3 + (3+3)^3 - 3/3 + 3 \\
&:= 44+4 \times 44 + 4/4 \\
&:= 55 \times (5-5/5) + 5/5 \\
&:= 6 + (6 \times 6 \times 6 - 6/6) \\
&:= (777+777-7)/7 \\
&:= (888-8+888)/8 \\
&:= 99 + (999+99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 222 &:= (1+1) \times 111 \\
&:= 222 \\
&:= 3 + (3+3)^3 + 3 \\
&:= 444 \times 4/(4+4) \\
&:= (5+5) \times 555/(5 \times 5) \\
&:= 6+6 \times 6 \times 6 \\
&:= ((7+7)/7) \times 777/7 \\
&:= (8+8) \times 888/(8 \times 8) \\
&:= (9+9) \times 999/(9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 223 &:= 1 + (1 + 1) \times 111 \\
&:= 2/2 + 222 \\
&:= 3 + (3 + 3)^3 + 3/3 + 3 \\
&:= 4^4 + 44/4 - 44 \\
&:= 5 + (5 - (5 + 5)/5)^5 - 5 \times 5 \\
&:= 6 + 6 \times 6 \times 6 + 6/6 \\
&:= 7 + (7 - 7/7)^{(7+7+7)/7} \\
&:= 8 + 88 + 8 \times (8 + 8) - 8/8 \\
&:= 9 \times (9 + 9 + 9) - 99/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 224 &:= (1 + 1) \times (1 + 111) \\
&:= 2 + 222 \\
&:= 3 \times 3 + ((3 + 3)^3 - 3/3) \\
&:= 4^4 - 4 \times (4 + 4) \\
&:= (5 - 5/5) \times (55 + 5/5) \\
&:= 6 + 6 \times 6 \times 6 + (6 + 6)/6 \\
&:= 77 + 7 \times (7 + 7 + 7) \\
&:= 8 + 8 \times (8 + 8) + 88 \\
&:= 9 + ((9 + 9) \times (99 + 9) - 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 225 &:= 1 + (1 + 1) \times (1 + 111) \\
&:= 2 + 222 + 2/2 \\
&:= 3 \times 3 + (3 + 3)^3 \\
&:= 4/4 + 4^4 - 4 \times (4 + 4) \\
&:= 5 \times (55 - 5 - 5) \\
&:= 6 + 6 \times 6/(6 + 6) + 6 \times 6 \times 6 \\
&:= (7/7 + 7 + 7)^{(7+7)/7} \\
&:= (8 - 8/8 + 8)^{(8+8)/8} \\
&:= (9 + 9) \times (9 + 9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 226 &:= (1 + 1) \times (1 + 1 + 111) \\
&:= 2 + 222 + 2 \\
&:= 3 \times 3 + (3 + 3)^3 + 3/3 \\
&:= 4 + 444 \times 4/(4 + 4) \\
&:= 5/5 + 5 \times (55 - 5 - 5) \\
&:= 6 \times 6 \times 6 + (66 - 6)/6 \\
&:= 7 \times (7 + 7) + ((7 + 7)/7)^7 \\
&:= 8 + 8 \times (8 + 8) + (8 + 8)/8 + 88 \\
&:= 9 + 9 \times 9 \times 9 - ((9 + 9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 227 &:= 1 + (1 + 1) \times (1 + 1 + 111) \\
&:= 2 + 2 + 222 + 2/2 \\
&:= (3 + 3)^3 + 33/3 \\
&:= 4 - 44 + 4^4 + 44/4 \\
&:= 5 + (5 + 5) \times 555/(5 \times 5) \\
&:= 6 \times 6 \times 6 + 66/6 \\
&:= 7 + 77/7 \times (7 - 7/7 + 7 + 7) \\
&:= 88 + 8 \times (8 + 8) + 88/8 \\
&:= ((9 + 9) \times (99 + 9) + 99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 228 &:= (1 + 1) \times (1 + 1 + 1 + 111) \\
&:= 2 + 222 + 2 + 2 \\
&:= 3 + (3 + 3)^3 + 3 \times 3 \\
&:= 4 + 4^4 - 4 \times (4 + 4) \\
&:= (5 - 5/5) \times ((5 + 5)/5 + 55) \\
&:= 6 + 6 + 6 \times 6 \times 6 \\
&:= (7 - 7/7) \times (7 \times 7 - 77/7) \\
&:= (88/8 + 8) \times (88 + 8)/8 \\
&:= 9 + 99 + 9 + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 229 &:= 1 + (1 + 1) \times (1 + 1 + 1 + 111) \\
&:= (22^2 - 22)/2 - 2 \\
&:= (3^{3+3} - 33)/3 - 3 \\
&:= 4^4 - 44/4 - 4 \times 4 \\
&:= 5 + (5 - 5/5) \times (55 + 5/5) \\
&:= 6 + 6 \times 6 \times 6 + 6/6 + 6 \\
&:= 7 + (7 + 7) \times 777/(7 \times 7) \\
&:= 8 + (888 + 888 - 8)/8 \\
&:= 9 + 99/9 \times (9 + 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 230 &:= (11 - 1) \times (1 + 11 + 11) \\
&:= 222 + 2 \times (2 + 2) \\
&:= 3 + (3 + 3)^3 + 33/3 \\
&:= 4 + 4 + 444 \times 4/(4 + 4) \\
&:= 5 + 5 \times (55 - 5 - 5) \\
&:= 6 + 6 + 6 \times 6 \times 6 + (6 + 6)/6 \\
&:= (77 \times (7 + 7 + 7) - 7)/7 \\
&:= 8 + (8 + 8) \times 888/(8 \times 8) \\
&:= 9 + 99 + (999 + 99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 231 &:= 11 \times (11 + 11 - 1) \\
&:= (22^2 - 22)/2 \\
&:= 33 + 33 \times (3 + 3) \\
&:= 44 + 4 \times 44 + 44/4 \\
&:= 5 + 5 \times (55 - 5 - 5) + 5/5 \\
&:= 66 \times (6 \times 6 + 6)/(6 + 6) \\
&:= 77 + 77 + 77 \\
&:= 8 \times (8 + 8) + 888/8 - 8 \\
&:= 9 + (9 + 9) \times 999/(9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 232 &:= 111 + 11^{1+1} \\
&:= 2 + 222 + 2 \times (2 + 2) \\
&:= (3^{3+3} - 33)/3 \\
&:= 4^4 - 4 \times 4 - 4 - 4 \\
&:= (5 + 5)/5 \times (555/5 + 5) \\
&:= 6 + 6 \times 6 \times 6 + (66 - 6)/6 \\
&:= 7 \times 7 \times 7 - 777/7 \\
&:= 88 + 8 + 8 + 8 \times (8 + 8) \\
&:= 9 \times (9 + 9 + 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 233 &:= 11 + (1 + 1) \times 111 \\
&:= 222 + 22/2 \\
&:= 3 \times (3 \times 3^3 - 3) - 3/3 \\
&:= 4 + 4^4 - 4 \times 4 - 44/4 \\
&:= (5 - (5 + 5)/5)^5 - 5 - 5 \\
&:= 6 + 6 \times 6 \times 6 + 66/6 \\
&:= 7 + 7 \times (7 + 7) + ((7 + 7)/7)^7 \\
&:= 8 + (8 + 8 - 8/8)^{(8+8)/8} \\
&:= 9 \times (9 + 9 + 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 234 &:= 1 + 11 + (1 + 1) \times 111 \\
&:= 2^{2 \times (2+2)} - 22 \\
&:= 3 \times (3 \times 3^3 - 3) \\
&:= 4^4 - 44 \times 4/(4 + 4) \\
&:= (5 - 5/5 + 5) \times (5 \times 5 + 5/5) \\
&:= 6 + 6 \times 6 \times 6 + 6 + 6 \\
&:= (77 + 7/7) \times (7 + 7 + 7)/7 \\
&:= (8 \times (8 + 8) - 88/8) \times (8 + 8)/8 \\
&:= 9 \times (9 + 9 + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 235 &:= 11 + (1 + 1) \times (1 + 111) \\
&:= 2 + 222 + 22/2 \\
&:= 3 + (3^{3+3} - 33)/3 \\
&:= 4^4 - 4 - 4 \times 4 - 4/4 \\
&:= 5 + 5 + 5 \times (55 - 5 - 5) \\
&:= 6 + 6 + 6 + 6 \times 6 \times 6 + 6/6 \\
&:= 7 + (7 - 7/7) \times (7 \times 7 - 77/7) \\
&:= (8 \times 8 \times 88 + 8)/(8 + 8 + 8) \\
&:= 9/9 + (9 \times (9 + 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 236 &:= 1 + 11 + (1 + 1) \times (1 + 111) \\
&:= 2 + 2^{2 \times (2+2)} - 22 \\
&:= (3^{3+3} - 3)/3 - 3 - 3 \\
&:= 4^4 - 4 \times 4 - 4 \\
&:= 5 \times 5 \times 5 + 555/5 \\
&:= 66 \times 66/(6 + 6 + 6) - 6 \\
&:= (7 + 777/7) \times (7 + 7)/7 \\
&:= 8 + (88/8 + 8) \times (88 + 8)/8 \\
&:= 9 \times (9 + 9 + 9) - 9 + (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 237 &:= 11 + (1 + 1) \times (1 + 1 + 111) \\
&:= (22^2 - 2)/2 - 2 - 2 \\
&:= 3 + 3 \times (3 \times 3^3 - 3) \\
&:= 4/4 + 4^4 - (4 \times 4 + 4) \\
&:= 5 \times 5 \times 5 + (555 + 5)/5 \\
&:= 6 + 66 \times (6 \times 6 + 6)/(6 + 6) \\
&:= 7 + (77 \times (7 + 7 + 7) - 7)/7 \\
&:= (8 + 8) \times (8 + 8) - 88/8 - 8 \\
&:= 99 + 9 + 9 + 9 + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 238 &:= (1+1) \times (11^{1+1} - 1 - 1) \\
&:= 2 \times ((22/2)^2 - 2) \\
&:= (3^{3+3} + 3)/3 - 3 - 3 \\
&:= 4^4 - 4 \times 4 - (4+4)/4 \\
&:= (5 - (5+5)/5)^5 - 5 \\
&:= 6 \times 6 \times 6 + (66+66)/6 \\
&:= 777 - 7 \times 77 \\
&:= 8 \times (8+8) + (888-8)/8 \\
&:= ((9+9)/9)^{9-9/9} - 9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 239 &:= (1+1) \times (11^{1+1} - 1) - 1 \\
&:= (22^2 - 2)/2 - 2 \\
&:= (3^{3+3} - 3)/3 - 3 \\
&:= 4^4 - 4 \times 4 - 4/4 \\
&:= 5 \times 5 \times (5+5) - 55/5 \\
&:= 6+6+6 \times 6 \times 6 + 66/6 \\
&:= 7+7 \times 7 \times 7 - 777/7 \\
&:= 8 \times (8+8) + 888/8 \\
&:= 9 \times (9+9+9) + ((9-9 \times 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 240 &:= (1+1) \times (11^{1+1} - 1) \\
&:= 22^2/2 - 2 \\
&:= 3 \times 3 \times 3^3 - 3 \\
&:= 4^4 - 4 \times 4 \\
&:= (5+5) \times (5 \times 5 - 5/5) \\
&:= 6 \times (6 \times 6 + 6) - 6 - 6 \\
&:= (7 - (7+7)/7) \times (7 \times 7 - 7/7) \\
&:= 8 \times 8 + 88 + 88 \\
&:= (999/9+9) \times (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 241 &:= (1+1) \times 11^{1+1} - 1 \\
&:= (22^2 - 2)/2 \\
&:= (3^{3+3} + 3)/3 - 3 \\
&:= 4/4 + 4^4 - 4 \times 4 \\
&:= 5 + 555/5 + 5 \times 5 \times 5 \\
&:= 6 \times (6 \times 6 + 6) - 66/6 \\
&:= 7 + (7/7 + 77) \times (7+7+7)/7 \\
&:= 8/8 + 8 \times 8 + 88 + 88 \\
&:= 9 \times (9+9+9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 242 &:= (1+1) \times 11^{1+1} \\
&:= 22^2/2 \\
&:= (3^{3+3} - 3)/3 \\
&:= 44 \times 44/(4+4) \\
&:= (5 - (5+5)/5)^5 - 5/5 \\
&:= 66 \times 66/(6+6+6) \\
&:= 77/7 \times (7+7+7+7)/7 \\
&:= 88 \times (88+88)/(8 \times 8) \\
&:= 9 \times (9+9+9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 243 &:= 1 + (1+1) \times 11^{1+1} \\
&:= (22^2 + 2)/2 \\
&:= 3 \times 3 \times 3^3 \\
&:= (4 - 4/4)^{4/4+4} \\
&:= (5 - (5+5)/5)^5 \\
&:= (6 \times 6/(6+6))^{6-6/6} \\
&:= ((7+7+7)/7)^{7-(7+7)/7} \\
&:= (8+8/8) \times (8+8+88/8) \\
&:= 9 \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 244 &:= (1+1) \times (1+11^{1+1}) \\
&:= 2 + 22^2/2 \\
&:= (3^{3+3} + 3)/3 \\
&:= 4 + 4^4 - 4 \times 4 \\
&:= 5/5 + (5 - (5+5)/5)^5 \\
&:= ((6+6)/6)^6 + 6 \times (6 \times 6 - 6) \\
&:= 7 \times (7 \times 7 - 7 - 7) - 7/7 \\
&:= (8+8) \times (8+8) - (88+8)/8 \\
&:= 9 \times (9+9+9) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 245 &:= 1 + (1+1) \times (1+11^{1+1}) \\
&:= 2 + (22^2 + 2)/2 \\
&:= 3 + (3^{3+3} - 3)/3 \\
&:= 4^4 - 44/4 \\
&:= 5 \times 5 \times (5+5) - 5 \\
&:= (6+6/6) \times (6 \times 6 - 6/6) \\
&:= 7 \times (7 \times 7 - 7 - 7) \\
&:= (8+8) \times (8+8) - 88/8 \\
&:= 9 \times (9+9+9) + (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 246 &:= (1+1) \times (1+1+11^{1+1}) \\
&:= 2 + 22^2/2 + 2 \\
&:= 3 + 3 \times 3 \times 3^3 \\
&:= 4^4 + (4 - 44)/4 \\
&:= 5/5 + 5 \times 5 \times (5+5) - 5 \\
&:= 6 \times (6 \times 6 + 6) - 6 \\
&:= 7/7 + 7 \times (7 \times 7 - 7 - 7) \\
&:= (8+8) \times (8+8) + (8-88)/8 \\
&:= 9 \times (9+9+9) + (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 247 &:= 1 + (1+1) \times (1+1+11^{1+1}) \\
&:= 2 + (22^2 + 2)/2 + 2 \\
&:= 3 + (3^{3+3} + 3)/3 \\
&:= 4^4 - 4/4 - 4 - 4 \\
&:= 5 + (5 - (5+5)/5)^5 - 5/5 \\
&:= 6/6 + 6 \times (6 \times 6 + 6) - 6 \\
&:= (7+7)/7 + 7 \times (7 \times 7 - 7 - 7) \\
&:= (8+8) \times (8+8) - 8 - 8/8 \\
&:= ((9+9)/9)^{9-9/9} - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 248 &:= (1+1) \times (1+1+1+11^{1+1}) \\
&:= 2 + 22^2/2 + 2 + 2 \\
&:= 3 + (3^{3+3} - 3)/3 + 3 \\
&:= 4^4 - 4 - 4 \\
&:= 5 + (5 - (5+5)/5)^5 \\
&:= 6 + 66 \times 66/(6+6+6) \\
&:= 77 + (7 \times 7 \times 7 \times 7 - 7)/(7+7) \\
&:= (8+8) \times (8+8) - 8 \\
&:= 9/9 + ((9+9)/9)^{9-9/9} - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 249 &:= 1 + (1+1) \times (1+1+1+11^{1+1}) \\
&:= 2 + (22^2 + 2)/2 + 2 + 2 \\
&:= 33 + (3+3)^3 \\
&:= 4 + 4^4 - 44/4 \\
&:= 5 \times 5 \times (5+5) - 5/5 \\
&:= 6 + (6 \times 6/(6+6))^{6-6/6} \\
&:= ((7+7)/7)^{7/7+7} - 7 \\
&:= 8/8 + (8+8) \times (8+8) - 8 \\
&:= 9 + (999/9+9) \times (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 250 &:= (11-1) \times (1+(1+1) \times (1+11)) \\
&:= 2 \times ((22/2)^2 + 2 + 2) \\
&:= 3 + 3 + (3^{3+3} + 3)/3 \\
&:= 4^4 - 4 - (4+4)/4 \\
&:= 5 \times 5 \times (5+5) \\
&:= 6 \times (6 \times 6 + 6) - (6+6)/6 \\
&:= (7 - (7+7)/7) \times (7 \times 7 + 7/7) \\
&:= (8+8) \times (8+8) + (8+8)/8 - 8 \\
&:= 9+9 \times (9+9+9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 251 &:= 11 + (1+1) \times (11^{1+1} - 1) \\
&:= (22^2 + 22)/2 - 2 \\
&:= 3 \times 3 + (3^{3+3} - 3)/3 \\
&:= 4^4 - 4/4 - 4 \\
&:= 5/5 + 5 \times 5 \times (5+5) \\
&:= 6 \times (6 \times 6 + 6) - 6/6 \\
&:= 7 + 7 \times (7 \times 7 - 7 - 7) - 7/7 \\
&:= 8 + (8/8 + 8) \times (88/8 + 8 + 8) \\
&:= 9 + 9 \times (9+9+9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 252 &:= (1+11) \times (11+11-1) \\
&:= 2^{2 \times (2+2)} - 2 - 2 \\
&:= 3 \times (3 \times 3^3 + 3) \\
&:= 4^4 - 4 \\
&:= (5+5)/5 + 5 \times 5 \times (5+5) \\
&:= 6 \times (6 \times 6 + 6) \\
&:= 7 + 7 \times (7 \times 7 - 7 - 7) \\
&:= (8 \times 8 \times 8 - 8) \times 8/(8+8) \\
&:= 9 + 9 \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 253 &:= 11 \times (1 + 11 + 11) \\
&:= (22^2 + 22)/2 \\
&:= 3 \times 3 + (3^{3+3} + 3)/3 \\
&:= 4/4 + 4^4 - 4 \\
&:= 5 + 5 + (5 - (5 + 5)/5)^5 \\
&:= 6/6 + 6 \times (6 \times 6 + 6) \\
&:= 7 + 7 \times (7 \times 7 - 7 - 7) + 7/7 \\
&:= 8 + (8 + 8) \times (8 + 8) - 88/8 \\
&:= 9 + 9 \times (9 + 9 + 9) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 254 &:= 1 + 11 \times (1 + 11 + 11) \\
&:= 2^{2 \times (2+2)} - 2 \\
&:= (3^{3+3} + 33)/3 \\
&:= 4^4 - (4 + 4)/4 \\
&:= 5 + 5 \times 5 \times (5 + 5) - 5/5 \\
&:= (6 + 6)/6 + 6 \times (6 \times 6 + 6) \\
&:= 77 + ((7 + 7)/7)^7 + 7 \times 7 \\
&:= (8 + 8) \times (8 + 8) - (8 + 8)/8 \\
&:= 99/9 + 9 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 255 &:= 111 + (1 + 11)^{1+1} \\
&:= 2^{2 \times (2+2)} - 2/2 \\
&:= 3 + 3 \times (3 \times 3^3 + 3) \\
&:= 4^4 - 4/4 \\
&:= 5 + 5 \times 5 \times (5 + 5) \\
&:= 6 \times (6 \times 6 + 6) + 6 \times 6/(6 + 6) \\
&:= 7 \times 7 \times 7 - 77/7 - 77 \\
&:= (8 + 8) \times (8 + 8) - 8/8 \\
&:= 9 \times (9 + 9 + 9) + (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 256 &:= (1 + 1)^{(1+1)^{1+1+1}} \\
&:= 2^{2 \times (2+2)} \\
&:= (3/3 + 3)^{3/3+3} \\
&:= 4^4 \\
&:= (5 - 5/5)^{5-5/5} \\
&:= ((6 + 6)/6)^{(6+6)/6+6} \\
&:= ((7 + 7)/7)^{7/7+7} \\
&:= (8 + 8) \times (8 + 8) \\
&:= ((9 + 9)/9)^{9-9/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 257 &:= 1 + (1 + 1)^{(1+1)^{1+1+1}} \\
&:= 2/2 + 2^{2 \times (2+2)} \\
&:= 3 + (3^{3+3} + 33)/3 \\
&:= 4/4 + 4^4 \\
&:= (5^5 - 5)/(5 + 5) - 55 \\
&:= 6 + 6 \times (6 \times 6 + 6) - 6/6 \\
&:= 7/7 + ((7 + 7)/7)^{7/7+7} \\
&:= 8/8 + (8 + 8) \times (8 + 8) \\
&:= 9/9 + ((9 + 9)/9)^{9-9/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 258 &:= 1 + 1 + (1 + 1)^{(1+1)^{1+1+1}} \\
&:= 2 + 2^{2 \times (2+2)} \\
&:= 3 + 3 \times (3 \times 3^3 + 3) + 3 \\
&:= 4^4 + (4 + 4)/4 \\
&:= (5^5 + 5)/(5 + 5) - 55 \\
&:= 6 + 6 \times (6 \times 6 + 6) \\
&:= (7 - 7/7) \times ((7/7 - 7) + 7 \times 7) \\
&:= (8 + 8)/8 + (8 + 8) \times (8 + 8) \\
&:= 99 + 9 \times (9 + 9) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 259 &:= 1 + 1 + 1 + (1 + 1)^{(1+1)^{1+1+1}} \\
&:= 2 + 2^{2 \times (2+2)} + 2/2 \\
&:= 3 + (3/3 + 3)^{3/3+3} \\
&:= 4 + 4^4 - 4/4 \\
&:= 5 \times 55 - 55/5 - 5 \\
&:= 6 + 6 \times (6 \times 6 + 6) + 6/6 \\
&:= 7 \times 7 \times 7 - 77 - 7 \\
&:= 88/8 + (8 + 8) \times (8 + 8) - 8 \\
&:= 99 + 9 \times (9 + 9) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 260 &:= (1 + 1) \times (11 - 1) \times (1 + 1 + 11) \\
&:= 2 + 2^{2 \times (2+2)} + 2 \\
&:= 3 + (3^{3+3} + 33)/3 + 3 \\
&:= 4 + 4^4 \\
&:= 5 + 5 \times 5 \times (5 + 5) + 5 \\
&:= 6 + 6 \times (6 \times 6 + 6) + (6 + 6)/6 \\
&:= 7/7 + 7 \times 7 \times 7 - 77 - 7 \\
&:= (8 \times 8 \times 8 + 8) \times 8/(8 + 8) \\
&:= 99 + 9 \times (9 + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 261 &:= (1 + 1) \times (11 \times (1 + 11) - 1) - 1 \\
&:= 2 + 2^{2 \times (2+2)} + 2/2 + 2 \\
&:= 3 \times (3 \times 3^3 + 3 + 3) \\
&:= 4 + 4/4 + 4^4 \\
&:= 5 + (5 - 5/5)^{5-5/5} \\
&:= 6 + 6 \times (6 \times 6 + 6) + 6 \times 6/(6 + 6) \\
&:= 7 + ((7 + 7)/7)^7 + 77 + 7 \times 7 \\
&:= (88/8 - 8) \times (88 - 8/8) \\
&:= 99 + 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 262 &:= (1 + 1) \times (11 \times (1 + 11) - 1) \\
&:= 22^2 - 222 \\
&:= 3 + (3/3 + 3)^{3/3+3} + 3 \\
&:= 4 + (4 + 4)/4 + 4^4 \\
&:= 5 + (5^5 - 5)/(5 + 5) - 55 \\
&:= 6 + ((6 + 6)/6)^{(6+6)/6+6} \\
&:= (7 \times 7 \times 77 - 7)/(7 + 7) - 7 \\
&:= 8 + (8 + 8) \times (8 + 8) - (8 + 8)/8 \\
&:= 9/9 + 9 \times (9 + 9) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 263 &:= (1 + 1) \times 11 \times (1 + 11) - 1 \\
&:= 22 + (22^2 - 2)/2 \\
&:= (33 \times (3^3 - 3) - 3)/3 \\
&:= 4 + 4^4 - 4/4 + 4 \\
&:= 5 \times 55 - (55 + 5)/5 \\
&:= 66/6 + 6 \times (6 \times 6 + 6) \\
&:= 7 + ((7 + 7)/7)^{7/7+7} \\
&:= 8 + (8 + 8) \times (8 + 8) - 8/8 \\
&:= 9 + 9 \times (9 + 9 + 9) + 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 264 &:= (1 + 1) \times 11 \times (1 + 11) \\
&:= 2 \times 22 \times (2 + 2 + 2) \\
&:= 33 \times (3 \times 3 - 3)/3 \\
&:= 4 + 4^4 + 4 \\
&:= 5 \times 55 - 55/5 \\
&:= 6 + 6 \times (6 \times 6 + 6) + 6 \\
&:= 7 \times 7 \times 7 - (7 + 7)/7 - 77 \\
&:= 8 + (8 + 8) \times (8 + 8) \\
&:= 9 \times (9 + 9) + 999/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 265 &:= 1 + (1 + 1) \times 11 \times (1 + 11) \\
&:= 22 + (22^2 + 2)/2 \\
&:= (33 \times (3^3 - 3) + 3)/3 \\
&:= 4 + 4/4 + 4^4 + 4 \\
&:= 5 \times 55 - 5 - 5 \\
&:= 6 + 6 \times (6 \times 6 + 6) + 6/6 + 6 \\
&:= 7 \times 7 \times 7 - 7/7 - 77 \\
&:= 8 + (8 + 8) \times (8 + 8) + 8/8 \\
&:= 9 + ((9 + 9)/9)^{9-9/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 266 &:= (1 + 1) \times (1 + 11 \times (1 + 11)) \\
&:= 222 + 2 \times 22 \\
&:= 3 + (33 \times (3^3 - 3) - 3)/3 \\
&:= 4^4 + (44 - 4)/4 \\
&:= 5/5 + 5 \times 55 - (5 + 5) \\
&:= (6/6 + 6) \times ((6 + 6)/6 + 6 \times 6) \\
&:= 7 \times 7 \times 7 - 77 \\
&:= 8 + (8 + 8) \times (8 + 8) + (8 + 8)/8 \\
&:= 9 + ((9 + 9)/9)^{9-9/9} + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 267 &:= 1 + (1 + 1) \times (1 + 11 \times (1 + 11)) \\
&:= 22/2 + 2^{2 \times (2+2)} \\
&:= 3 \times 3 \times (3^3 + 3) - 3 \\
&:= 4^4 + 44/4 \\
&:= 5 \times 55 + ((5 + 5)/5 - 5 - 5) \\
&:= 666 \times 6/(6 + 6) - 66 \\
&:= 7/7 + 7 \times 7 \times 7 - 77 \\
&:= 88/8 + (8 + 8) \times (8 + 8) \\
&:= 99/9 + ((9 + 9)/9)^{9-9/9}
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 268 &:= (1+1) \times (1+1+11 \times (1+11)) \\
 &:= 2+222+2 \times 22 \\
 &:= 3+(33 \times (3^3-3)+3)/3 \\
 &:= 4+4^4+4+4 \\
 &:= 5 \times 5+(5-(5+5)/5)^5 \\
 &:= (6-(6+6)/6) \times (66+6/6) \\
 &:= 7 \times 7 \times 7+(7+7)/7-77 \\
 &:= 8+(8 \times 8 \times 8+8) \times 8/(8+8) \\
 &:= 9+9 \times (9+9)-(9+9)/9+99
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 269 &:= 1+(1+1) \times (1+1+11 \times (1+11)) \\
 &:= 2+2^{2 \times (2+2)}+22/2 \\
 &:= 3^3+(3^{3+3}-3)/3 \\
 &:= 4+4/4+4^4+4+4 \\
 &:= 5 \times 55-(5/5+5) \\
 &:= 6+6 \times (6 \times 6+6)+66/6 \\
 &:= (7 \times 7 \times 77-7)/(7+7) \\
 &:= 8+(88/8-8) \times (88-8)/8 \\
 &:= 9+9 \times (9+9)-9/9+99
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 270 &:= (11-1) \times (1+1+1)^{1+1+1} \\
 &:= 222+2 \times (22+2) \\
 &:= 3 \times 3 \times (3^3+3) \\
 &:= 4+(44-4)/4+4^4 \\
 &:= 5 \times 55-5 \\
 &:= 666-6 \times 66 \\
 &:= (7 \times 7 \times 77+7)/(7+7) \\
 &:= 8+8+(8+8) \times (8+8)-(8+8)/8 \\
 &:= 9+9 \times (9+9)+99
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 271 &:= 1+(11-1) \times (1+1+1)^{1+1+1} \\
 &:= 2+2^{2 \times (2+2)}+22/2+2 \\
 &:= 3^3+(3^{3+3}+3)/3 \\
 &:= 4+44/4+4^4 \\
 &:= 5/5+5 \times 55-5 \\
 &:= 66+6 \times 6 \times 6-66/6 \\
 &:= 7+7 \times 7 \times 7-(7+7)/7-77 \\
 &:= 8+(8+8) \times (8+8)-8/8+8 \\
 &:= 9+9 \times (9+9)+99+9/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 272 &:= (1+1+11) \times (11+11-1)-1 \\
 &:= 2^{2+2}+2^{2 \times (2+2)} \\
 &:= 3+(3^{3+3}-3)/3+3^3 \\
 &:= 4 \times 4+4^4 \\
 &:= 5 \times 55+(5+5)/5-5 \\
 &:= 6+(6/6+6) \times ((6+6)/6+6 \times 6) \\
 &:= 7+7 \times 7 \times 7-7/7-77 \\
 &:= 8+(8+8) \times (8+8)+8 \\
 &:= 99+99/9+9 \times (9+9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 273 &:= (1+1+11) \times (11+11-1) \\
 &:= (22/2+2) \times (22-2/2) \\
 &:= 3+3 \times 3 \times (3^3+3) \\
 &:= 4 \times 4+4/4+4^4 \\
 &:= 5 \times 55-(5+5)/5 \\
 &:= 6+666 \times 6/(6+6)-66 \\
 &:= 7+7 \times 7 \times 7-77 \\
 &:= 8+(8+8) \times (8+8)+8/8+8 \\
 &:= 9 \times (9+9)+999/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 274 &:= 11 \times (1+(1+1) \times (1+11))-1 \\
 &:= 2+2^{2 \times (2+2)}+2^{2+2} \\
 &:= 3+3 \times 3 \times (3^3+3)+3/3 \\
 &:= 4 \times 4+((4+4)/4+4^4) \\
 &:= 5 \times 55-5/5 \\
 &:= 6 \times 6 \times 6+((6+6)/6)^6-6 \\
 &:= 7+7 \times 7 \times 7-77+7/7 \\
 &:= 8+(8+8) \times (8+8)+(8+8)/8+8 \\
 &:= 9+((9+9)/9)^{9-9/9}+9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 275 &:= 11 \times (1+(1+1) \times (1+11)) \\
 &:= 22+(22^2+22)/2 \\
 &:= 33+(3^{3+3}-3)/3 \\
 &:= 4+44/4+4^4+4 \\
 &:= 5 \times 55 \\
 &:= 66+6 \times 6 \times 6-6/6-6 \\
 &:= 77/7 \times (77/7+7+7) \\
 &:= 8+(8+8) \times (8+8)+88/8 \\
 &:= 9 \times (9+9)+(999+9+9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 276 &:= (1+11) \times (1+11+11) \\
 &:= 22+2^{2 \times (2+2)}-2 \\
 &:= 33+3 \times 3 \times 3^3 \\
 &:= 4+4 \times 4+4^4 \\
 &:= 5 \times 55+5/5 \\
 &:= 66+6 \times 6 \times 6-6 \\
 &:= 7+(7 \times 7 \times 77-7)/(7+7) \\
 &:= 8+(8 \times 8 \times 8+8) \times 8/(8+8)+8 \\
 &:= (99/9+9 \times 9) \times (9+9+9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 277 &:= 1+(1+11) \times (1+11+11) \\
 &:= ((22+2)^2-22)/2 \\
 &:= 33+(3^{3+3}+3)/3 \\
 &:= 4+4 \times 4+4^4+4/4 \\
 &:= 5 \times 55+(5+5)/5 \\
 &:= 66+6 \times 6 \times 6-6+6/6 \\
 &:= 7+(7 \times 7 \times 77+7)/(7+7) \\
 &:= (8-8/8+8) \times (88/8+8)-8 \\
 &:= 99+99-(9+9)/9+9 \times 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 278 &:= (1+1111)/(1+1+1+1) \\
 &:= 22+2^{2 \times (2+2)} \\
 &:= 3+(3^{3+3}-3)/3+33 \\
 &:= 4^4+44 \times 4/(4+4) \\
 &:= 5+5 \times 55-(5+5)/5 \\
 &:= 6 \times 6+66 \times 66/(6+6+6) \\
 &:= 7 \times 7 \times 7+(77+7)/7-77 \\
 &:= 88+8 \times (8+8+8)-(8+8)/8 \\
 &:= 99+9 \times 9-9/9+99
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 279 &:= 1+(1+1111)/(1+1+1+1) \\
 &:= 2+((22+2)^2-22)/2 \\
 &:= 3 \times (3 \times (3^3+3)+3) \\
 &:= 4+44/4+4^4+4+4 \\
 &:= 5+5 \times 55-5/5 \\
 &:= 6 \times 66-666/6-6 \\
 &:= 7 \times (7 \times 7-7)-7/7-7-7 \\
 &:= 88+8 \times (8+8+8)-8/8 \\
 &:= 99+99+9 \times 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 280 &:= 111+(1+1+11)^{1+1} \\
 &:= 2+2^{2 \times (2+2)}+22 \\
 &:= (3+3)^3+(3/3+3)^3 \\
 &:= 4+4 \times 4+4^4+4 \\
 &:= 5+5 \times 55 \\
 &:= 6 \times 6 \times 6+((6+6)/6)^6 \\
 &:= 7 \times (7 \times 7-7)-7-7 \\
 &:= 88+8 \times (8+8+8) \\
 &:= 9/9+99+99+9 \times 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 281 &:= 1+111+(1+1+11)^{1+1} \\
 &:= 2+((22+2)^2-22)/2+2 \\
 &:= 3^3+(3^{3+3}+33)/3 \\
 &:= 4+4 \times 4+4^4+4/4+4 \\
 &:= 5+5 \times 55+5/5 \\
 &:= 66+6 \times 6 \times 6-6/6 \\
 &:= 7/7+7 \times (7 \times 7-7)-7-7 \\
 &:= 8/8+8 \times (8+8+8)+88 \\
 &:= 9+99/9+9 \times (9+9)+99
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 282 &:= (1+1) \times ((1+11)^{1+1}-1-1-1) \\
 &:= 2+2^{2 \times (2+2)}+22+2 \\
 &:= 3+3 \times (3 \times (3^3+3)+3) \\
 &:= 4+44 \times 4/(4+4)+4^4 \\
 &:= 5+5 \times 55+(5+5)/5 \\
 &:= 66+6 \times 6 \times 6 \\
 &:= 77+((7+7)/7)^7+77 \\
 &:= 88+8 \times (8+8+8)+(8+8)/8 \\
 &:= 9+999/9+9 \times (9+9)
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 283 &:= (1+1) \times ((1+11)^{1+1} - 1 - 1) - 1 \\
&:= ((22+2)^2 - 2)/2 - 2 - 2 \\
&:= 3 + (3/3+3)^3 + (3+3)^3 \\
&:= 4 \times 4 + 44/4 + 4^4 \\
&:= 5 + 5 \times 55 - (5+5)/5 + 5 \\
&:= 66 + 6 \times 6 \times 6 + 6/6 \\
&:= 7 \times (7 \times 7 - 7) - 77/7 \\
&:= 8 + 8 + (8+8) \times (8+8) + 88/8 \\
&:= 9 + ((9+9)/9)^{9-9/9} + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 284 &:= (1+1) \times ((1+11)^{1+1} - 1 - 1) \\
&:= 2 \times ((2 \times (2+2+2))^2 - 2) \\
&:= (3/3+3) \times ((3+3)^3 - 3)/3 \\
&:= 44 + 4^4 - 4 \times 4 \\
&:= 5 + 5 \times 55 - 5/5 + 5 \\
&:= 66 + 6 \times 6 \times 6 + (6+6)/6 \\
&:= (7-77)/7 + 7 \times (7 \times 7 - 7) \\
&:= (8 \times (8 \times 8 + 8) - 8) \times 8/(8+8) \\
&:= 9 \times (9+9) + (999+99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 285 &:= (1+1) \times 11 \times (1+1+11) - 1 \\
&:= ((22+2)^2 - 2)/2 - 2 \\
&:= 3 \times (3 \times 33 - 3) - 3 \\
&:= 44 + 4/4 - 4 \times 4 + 4^4 \\
&:= 5 + 5 \times 55 + 5 \\
&:= 6 \times 66 - 666/6 \\
&:= 7 \times (7 \times 7 - 7) - (7+7)/7 - 7 \\
&:= (8-8/8+8) \times (88/8+8) \\
&:= (99-9/9) \times (9+9+9)/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 286 &:= (1+1) \times 11 \times (1+1+11) \\
&:= 22 \times (22/2+2) \\
&:= 33/3 \times (3^3 - 3/3) \\
&:= 44 + 44 \times 44/(4+4) \\
&:= 5 \times 55 + 55/5 \\
&:= 6 + ((6+6)/6)^6 + 6 \times 6 \times 6 \\
&:= 7 \times (7 \times 7 - 7) - 7/7 - 7 \\
&:= 8 \times 8 + (8+8) \times 888/(8 \times 8) \\
&:= 99 \times (9-9/9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 287 &:= (1+1) \times (1+11)^{1+1} - 1 \\
&:= ((22+2)^2 - 2)/2 \\
&:= 3 \times (3 \times 33 - 3) - 3/3 \\
&:= 4^4 + 4 \times (4+4) - 4/4 \\
&:= 5 \times 55 + (55+5)/5 \\
&:= 6 \times (6 \times 6 + 6 + 6) - 6/6 \\
&:= 7 \times (7 \times 7 - 7) - 7 \\
&:= 88 + 88 + 888/8 \\
&:= (99 \times (9+9+9) - 9)/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 288 &:= (1+1) \times (1+11)^{1+1} \\
&:= (22+2)^2/2 \\
&:= 3 \times (3 \times 33 - 3) \\
&:= 4^4 + 4 \times (4+4) \\
&:= (5^5 + 5)/(5+5) - 5 \times 5 \\
&:= 6 \times (6 \times 6 + 6 + 6) \\
&:= 7/7 + 7 \times (7 \times 7 - 7) - 7 \\
&:= 8 + 8 \times (8+8+8) + 88 \\
&:= 9 + (99+99) + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 289 &:= 1 + (1+1) \times (1+11)^{1+1} \\
&:= (2^{2+2} + 2/2)^2 \\
&:= 3/3 + 3 \times (3 \times 33 - 3) \\
&:= 44 + 4^4 - 44/4 \\
&:= 5 \times (55 + 5) - 55/5 \\
&:= 6/6 + 6 \times (6 \times 6 + 6 + 6) \\
&:= (7+7)/7 + 7 \times (7 \times 7 - 7) - 7 \\
&:= (8/8 + 8 + 8)^{(8+8)/8} \\
&:= (9+9-9/9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 290 &:= (1+1) \times (1 + (1+11)^{1+1}) \\
&:= 2 + (22+2)^2/2 \\
&:= 3 + 3 \times (3 \times 33 - 3) - 3/3 \\
&:= 44 + (4-44)/4 + 4^4 \\
&:= 5 + (5 \times 55 + 5) + 5 \\
&:= (6+6)/6 + 6 \times (6 \times 6 + 6 + 6) \\
&:= 7 + 7 \times (7 \times 7 - 7) - 77/7 \\
&:= 8/8 + (8/8 + 8 + 8)^{(8+8)/8} \\
&:= (9/9+9) \times (99/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 291 &:= 1 + (1+1) \times (1 + (1+11)^{1+1}) \\
&:= 2 + (2^{2+2} + 2/2)^2 \\
&:= 3 + 3 \times (3 \times 33 - 3) \\
&:= 4 + 4 \times (4+4) - 4/4 + 4^4 \\
&:= 5 + 5 \times 55 + 55/5 \\
&:= 6 + 6 \times 66 - 666/6 \\
&:= 7 \times (7 \times 7 - 7) - (7+7+7)/7 \\
&:= 88 + 8 \times (8+8+8) + 88/8 \\
&:= 99 + 9 \times 9 + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 292 &:= (1+1) \times (1+1+(1+11)^{1+1}) \\
&:= 2 + (22+2)^2/2 + 2 \\
&:= 3 + 3 \times (3 \times 33 - 3) + 3/3 \\
&:= 4 + 4 \times (4+4) + 4^4 \\
&:= 5 + (55+5)/5 + 5 \times 55 \\
&:= 6 + ((6+6)/6)^6 + 6 \times 6 \times 6 + 6 \\
&:= 7 \times (7 \times 7 - 7) - (7+7)/7 \\
&:= (8 \times (8 \times 8 + 8) + 8) \times 8/(8+8) \\
&:= 99 + 9 \times 9 + (999+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 293 &:= 1 + (1+1) \times (1+1+1+11)^{1+1} \\
&:= 2 + (2^{2+2} + 2/2)^2 + 2 \\
&:= 3 \times 3 \times 33 - 3/3 - 3 \\
&:= 4 + 4 \times (4+4) + 4^4 + 4/4 \\
&:= 5 + (5^5 + 5)/(5+5) - 5 \times 5 \\
&:= 6 + 6 \times (6 \times 6 + 6 + 6) - 6/6 \\
&:= 7 \times (7 \times 7 - 7) - 7/7 \\
&:= 8 + (8-8/8+8) \times (88/8+8) \\
&:= ((9+9+9) \times (99-9/9) - 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 294 &:= (1+1) \times (1+1+1+(1+11)^{1+1}) \\
&:= 2 + (22+2)^2/2 + 2 + 2 \\
&:= 3 \times 3 \times 33 - 3 \\
&:= 44 + 4^4 - (4+4)/4 - 4 \\
&:= 5 \times (55 + 5) - 5/5 - 5 \\
&:= 6 + 6 \times (6 \times 6 + 6 + 6) \\
&:= 7 \times (7 \times 7 - 7) \\
&:= 8 + 8 \times 8 + (8+8) \times 888/(8 \times 8) \\
&:= ((9+9+9)/9) \times (99-9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 295 &:= 11 \times (1+1+1)^{1+1+1} - 1 - 1 \\
&:= 2 + (2^{2+2} + 2/2)^2 + 2 + 2 \\
&:= 3/3 + 3 \times 3 \times 33 - 3 \\
&:= 44 + 4^4 - 4/4 - 4 \\
&:= 5 \times (55 + 5) - 5 \\
&:= 6 + 6 \times (6 \times 6 + 6 + 6) + 6/6 \\
&:= 7/7 + 7 \times (7 \times 7 - 7) \\
&:= 8 + 88 + 88 + 888/8 \\
&:= (99 \times (9+9+9) - (9+9))/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 296 &:= 11 \times (1+1+1)^{1+1+1} - 1 \\
&:= 2 \times ((2 \times (2+2+2))^2 + 2 + 2) \\
&:= 3 \times 3 \times 33 - 3/3 \\
&:= 44 + 4^4 - 4 \\
&:= 5/5 + 5 \times (55 + 5) - 5 \\
&:= ((6+6)/6+6) \times (6 \times 6 + 6/6) \\
&:= (7+7)/7 + 7 \times (7 \times 7 - 7) \\
&:= 8 \times 888/(8+8+8) \\
&:= (99 \times (9+9+9) - 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 297 &:= 11 \times (1+1+1)^{1+1+1} \\
&:= ((22+2)^2 + 22)/2 - 2 \\
&:= 3 \times 3 \times 33 \\
&:= 44 + 4^4 + 4/4 - 4 \\
&:= 5 \times 55 + (55+5)/5 \\
&:= 6 \times 6 \times 66/(6 + (6+6)/6) \\
&:= 7 \times (7 \times 7 - 7) + (7+7+7)/7 \\
&:= 8 + (8/8 + 8 + 8)^{(8+8)/8} \\
&:= 99 + 99 + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 298 &:= 1 + 11 \times (1 + 1 + 1)^{1+1+1} \\
&:= 2 \times 22 + 2^{2 \times (2+2)} - 2 \\
&:= 3/3 + 3 \times 3 \times 33 \\
&:= 44 + 4^4 - (4+4)/4 \\
&:= 55 + (5 - (5+5)/5)^5 \\
&:= (66 - 6)/6 + 6 \times (6 \times 6 + 6 + 6) \\
&:= 77/7 + 7 \times (7 \times 7 - 7) - 7 \\
&:= (88 \times (88/8 + 8 + 8) + 8)/8 \\
&:= (99 \times (9 + 9 + 9) + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 299 &:= 11 + (1 + 1) \times (1 + 11)^{1+1} \\
&:= ((22 + 2)^2 + 22)/2 \\
&:= 3 + (3 \times 3 \times 33 - 3/3) \\
&:= 44 + 4^4 - 4/4 \\
&:= 5 \times (55 + 5) - 5/5 \\
&:= 66/6 + 6 \times (6 \times 6 + 6 + 6) \\
&:= 7 + (7 \times (7 \times 7 - 7) - (7 + 7)/7) \\
&:= (8 \times (888 + 8) + 8)/(8 + 8 + 8) \\
&:= (99 \times (9 + 9 + 9) + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 300 &:= (1 + 1 + 1) \times (11 - 1)^{1+1} \\
&:= 2 \times 22 + 2^{2 \times (2+2)} \\
&:= 3 + 3 \times 3 \times 33 \\
&:= 44 + 4^4 \\
&:= 5 \times (55 + 5) \\
&:= (6 - 66) \times (6/6 - 6) \\
&:= 7 + 7 \times (7 \times 7 - 7) - 7/7 \\
&:= (8 \times 8 \times 8 + 88) \times 8/(8 + 8) \\
&:= (9/9 + 99) \times (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 301 &:= 1 + (1 + 1 + 1) \times (11 - 1)^{1+1} \\
&:= 2 + ((22 + 2)^2 + 22)/2 \\
&:= 3 + 3 \times 3 \times 33 + 3/3 \\
&:= 44 + 4/4 + 4^4 \\
&:= 5/5 + 5 \times (55 + 5) \\
&:= 6/6 + (6 - 66) \times (6/6 - 6) \\
&:= 7 + 7 \times (7 \times 7 - 7) \\
&:= 8 + (8 - 8/8 + 8) \times (88/8 + 8) + 8 \\
&:= 9 \times 9 + (99/9 + 9) \times 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 302 &:= 1 + 1 + (1 + 1 + 1) \times (11 - 1)^{1+1} \\
&:= (2^{2+2} + 2)^2 - 22 \\
&:= 3 + 3 \times 3 \times 33 - 3/3 + 3 \\
&:= 44 + (4 + 4)/4 + 4^4 \\
&:= (5 + 5)/5 + 5 \times (55 + 5) \\
&:= 6 + ((6 + 6)/6 + 6) \times (6 \times 6 + 6/6) \\
&:= 7 + 7 \times (7 \times 7 - 7) + 7/7 \\
&:= (88 - 8/8 + 8 \times 8) \times (8 + 8)/8 \\
&:= (9 \times (9 + 9) - 99/9) \times (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 303 &:= (1 + 1 + 1) \times (1 + (11 - 1)^{1+1}) \\
&:= 222 + (2/2 + 2)^{2+2} \\
&:= 3 + (3 \times 3 \times 33 + 3) \\
&:= 4 + 44 - 4/4 + 4^4 \\
&:= (5^5 + 5)/(5 + 5) - 5 - 5 \\
&:= 6 + 6 \times 6 \times 66/(6 + (6 + 6)/6) \\
&:= 7 + 7 \times (7 \times 7 - 7) + (7 + 7)/7 \\
&:= 8 \times (8 + 8 + 8) + 888/8 \\
&:= 9 + (99 - 9/9) \times (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 304 &:= 1 + (1 + 1 + 1) \times (1 + (11 - 1)^{1+1}) \\
&:= 2 + (2^{2+2} + 2)^2 - 22 \\
&:= 3 + 3 \times 3 \times 33 + 3/3 + 3 \\
&:= 4 + 44 + 4^4 \\
&:= 5 + 5 \times (55 + 5) - 5/5 \\
&:= ((6 + 6)/6 + 6) \times ((6 + 6)/6 + 6 \times 6) \\
&:= (7/7 + 7) \times (7 \times 7 - 77/7) \\
&:= (8 + 8) \times (88/8 + 8) \\
&:= (9 + 9) \times (9 + 9) - 99/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 305 &:= (11 \times 111 - 1)/(1 + 1 + 1 + 1) \\
&:= 2 + (2/2 + 2)^{2+2} + 222 \\
&:= 333 - 3^3 - 3/3 \\
&:= 4 + 44 + 4^4 + 4/4 \\
&:= 5 + 5 \times (55 + 5) \\
&:= (6 - 6/6) \times (66 - 6 + 6/6) \\
&:= 77/7 + 7 \times (7 \times 7 - 7) \\
&:= 8/8 + (8 + 8) \times (8 + 88/8) \\
&:= 9 + (99 \times (9 + 9 + 9) - 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 306 &:= (1 + 1) \times (11 \times (1 + 1 + 1 + 11) - 1) \\
&:= 22 \times (2^{2+2} - 2) - 2 \\
&:= 3 \times (3 \times 33 + 3) \\
&:= 4 + 44 + 4^4 + (4 + 4)/4 \\
&:= 5 + 5 \times (55 + 5) + 5/5 \\
&:= 6 + (6 - 66) \times (6/6 - 6) \\
&:= (7 - 7/7) \times (7 \times 7 + (7 + 7)/7) \\
&:= (8 + 8)/8 + (8 + 8) \times (8 + 88/8) \\
&:= (9 + 9) \times (9 + 9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 307 &:= 111 + (1 + 1 + 1 + 11)^{1+1} \\
&:= (22 + 2/2)^2 - 222 \\
&:= 3/3 + 3 \times (3 \times 33 + 3) \\
&:= 4 + 44 - 4/4 + 4^4 + 4 \\
&:= (5^5 - 55)/(5 + 5) \\
&:= 6 + (6 - 66) \times (6/6 - 6) + 6/6 \\
&:= 7 + 7 \times (7 \times 7 - 7) - 7/7 + 7 \\
&:= 88 \times (8 \times 8 - 8)/(8 + 8) - 8/8 \\
&:= 9 + (99 \times (9 + 9 + 9) + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 308 &:= (1 + 1) \times 11 \times (1 + 1 + 1 + 11) \\
&:= 22 \times (2^{2+2} - 2) \\
&:= 33/3 + 3 \times 3 \times 33 \\
&:= 4 + 44 + 4^4 + 4 \\
&:= (5^5 + 5)/(5 + 5) - 5 \\
&:= 66 + 66 \times 66/(6 + 6 + 6) \\
&:= 7 + 7 \times (7 \times 7 - 7) + 7 \\
&:= 88 \times (8 \times 8 - 8)/(8 + 8) \\
&:= 99/9 \times (9/9 + 9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 309 &:= 1 + (1 + 1) \times 11 \times (1 + 1 + 1 + 11) \\
&:= 22 + ((22 + 2)^2 - 2)/2 \\
&:= 3 + 3 \times (3 \times 33 + 3) \\
&:= 4^4 + (4^4 - 44)/4 \\
&:= 5 + (5 \times (55 + 5) - 5/5) + 5 \\
&:= 66 + (6 \times 6/(6 + 6))^{6-6/6} \\
&:= 7 + 7 \times (7 \times 7 - 7) + 7/7 + 7 \\
&:= 8/8 + 88 \times (8 \times 8 - 8)/(8 + 8) \\
&:= 99 + 999/9 + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 310 &:= (1 + 1) \times (11 + (1 + 11)^{1+1}) \\
&:= 2 + 22 \times (2^{2+2} - 2) \\
&:= ((3/3 + 3) + 3)^3 - 33 \\
&:= 44 + (44 - 4)/4 + 4^4 \\
&:= 5 + 5 \times (55 + 5) + 5 \\
&:= (6 - 6/6) \times ((6 + 6)/6 - 6 + 66) \\
&:= 7 + 7 \times (7 \times 7 - 7) + (7 + 7)/7 + 7 \\
&:= 88 + (8 + 8) \times 888/(8 \times 8) \\
&:= 99 + 99 + (999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 311 &:= 1 + (1 + 1) \times (11 + (1 + 11)^{1+1}) \\
&:= 22 + (2^{2+2} + 2/2)^2 \\
&:= 3 + 3 \times 3 \times 33 + 33/3 \\
&:= 44 + 44/4 + 4^4 \\
&:= 55/5 + 5 \times (55 + 5) \\
&:= 6 + (6 - 6/6) \times (66 - 6 + 6/6) \\
&:= 7 + 7 \times (7 \times 7 - 7) + (77 - 7)/7 \\
&:= 8 + 888/8 + 8 \times (8 + 8 + 8) \\
&:= (9 + 9) \times (9 + 9) - (99 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 312 &:= (1 + 1) \times (1 + 11) \times (1 + 1 + 11) \\
&:= (22 + 2) \times (22/2 + 2) \\
&:= 3 + 3 \times (3 \times 33 + 3) + 3 \\
&:= 4 + 4 + 4 + 44 + 4^4 \\
&:= (5^5 - 5)/(5 + 5) \\
&:= 6 \times ((6 + 6)/6)^6 - 6 - 6 \\
&:= 7 + 7 \times (7 \times 7 - 7) + 77/7 \\
&:= 8 + (8 + 8) \times (88/8 + 8) \\
&:= (9 + 9) \times (9 + 9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 313 &:= 1 + (1+1) \times (1+11) \times (1+1+11) \\
&:= (2^{2+2} + 2)^2 - 22/2 \\
&:= 3 + (3/3 + 3 + 3)^3 - 33 \\
&:= 4 + (4^4 - 44)/4 + 4^4 \\
&:= (5^5 + 5)/(5+5) \\
&:= 6 \times (66 - 6 - 6) - 66/6 \\
&:= 7 + 7 \times (7 \times 7 - 7) + (77 + 7)/7 \\
&:= 8 + (8+8) \times (88/8 + 8) + 8/8 \\
&:= (9+9) \times (9+9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 314 &:= (1+1) \times (1 + (1+11) \times (1+1+11)) \\
&:= 2 + (22+2) \times (22/2 + 2) \\
&:= 3 \times 33 + (3+3)^3 - 3/3 \\
&:= 4^4 + (4^4 - 4 - 4)/4 - 4 \\
&:= 5/5 + (5^5 + 5)/(5+5) \\
&:= (6 - 6/6) \times ((6+6)/6)^6 - 6 \\
&:= 7 \times (7 \times 7 + 7) - (7/7 + 77) \\
&:= 8 + (8+8) \times (88/8 + 8) + (8+8)/8 \\
&:= (9+9) \times (9+9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 315 &:= ((1+1)^{1+11} - 1)/(1+1+11) \\
&:= 22^2 - (22/2 + 2)^2 \\
&:= 3 \times (3 \times 33 + 3 + 3) \\
&:= 4^4 + (4^4 - 4)/4 - 4 \\
&:= (5 \times 5 + 5^5)/(5+5) \\
&:= (666 - 6 \times 6) \times 6/(6+6) \\
&:= 7 \times (7 \times 7 + 7) - 77 \\
&:= 88/8 + (8+8) \times (88/8 + 8) \\
&:= (9+9) \times (9+9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 316 &:= (1+1) \times ((1+1+11)^{1+1} - 11) \\
&:= 2 \times (2 \times ((2/2) + 2)^{2+2} - 2) \\
&:= (3/3 + 3 + 3)^3 - 3^3 \\
&:= 4 \times 4 + 44 + 4^4 \\
&:= 5 + 5 \times (55 + 5) + 55/5 \\
&:= 6 \times (6 \times 6 + 6) + ((6+6)/6)^6 \\
&:= 7/7 + 7 \times (7 \times 7 + 7) - 77 \\
&:= 8 + 88 \times (8 \times 8 - 8)/(8+8) \\
&:= 9/9 + (9+9) \times (9+9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 317 &:= 1 + (1+1) \times ((1+1+11)^{1+1} - 11) \\
&:= 2 + 22^2 - (22/2 + 2)^2 \\
&:= 333 + 33/3 - 3^3 \\
&:= 4^4 + (4^4 + 4)/4 - 4 \\
&:= 5 + (5^5 - 5)/(5+5) \\
&:= 66 + 6 \times (6 \times 6 + 6) - 6/6 \\
&:= (77/7 + 7)^{(7+7)/7} - 7 \\
&:= 8 + 88 \times (8 \times 8 - 8)/(8+8) + 8/8 \\
&:= (9+9)/9 + (9+9) \times (9+9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 318 &:= (1+1+1) \times (111 - 1) - 1 - 11 \\
&:= 2^{2+2} \times (22 - 2) - 2 \\
&:= 3 + 3 \times 33 + (3+3)^3 \\
&:= 4^4 + (4^4 - 4 - 4)/4 \\
&:= 5 + (5^5 + 5)/(5+5) \\
&:= 66 + 6 \times (6 \times 6 + 6) \\
&:= 7 \times 7 \times 7 - 77/7 - 7 - 7 \\
&:= 8 \times 8 + (8+8) \times (8+8) - (8+8)/8 \\
&:= 9 + 999/9 + 99 + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 319 &:= 11 \times ((11 - 1) \times (1+1+1) - 1) \\
&:= 2^{2+2} \times (22 - 2) - 2/2 \\
&:= 333 - 33/3 - 3 \\
&:= 4^4 + (4^4 - 4)/4 \\
&:= 5 + (5^5 + 5)/(5+5) + 5/5 \\
&:= 66 + 6 \times (6 \times 6 + 6) + 6/6 \\
&:= 7 + 7 + 7 \times (7 \times 7 - 7) + 77/7 \\
&:= 8 \times 8 + (8+8) \times (8+8) - 8/8 \\
&:= 99/9 \times (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 320 &:= (11 - 1) \times (11 \times (1+1+1) - 1) \\
&:= 2^{2+2} \times (22 - 2) \\
&:= 333 + (3 - 33)/3 - 3 \\
&:= 4 \times 4 \times (4 \times 4 + 4) \\
&:= (5+5) \times ((5+5)/5)^5 \\
&:= (6 - 6/6) \times ((6+6)/6)^6 \\
&:= (7/7 + 7) \times (7 \times 7 - (7+7)/7 - 7) \\
&:= 8 \times (8+8+8+8+8) \\
&:= (9 - 9/9) \times (9 \times 9 \times 9 - 9)/(9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 321 &:= (1+1+1) \times 111 - 1 - 11 \\
&:= 2/2 + (2^{2+2} \times (22 - 2)) \\
&:= 333 - (3 \times 3 + 3) \\
&:= 4^4 + (4^4 + 4)/4 \\
&:= 5/5 + ((5+5) \times ((5+5)/5)^5) \\
&:= 6 \times 6 \times 6 + (666/6 - 6) \\
&:= 7 \times 7 \times 7 - (7/7 + 7 + 7 + 7) \\
&:= 8/8 + (((8+8) \times (8+8)) + 8 \times 8) \\
&:= (9+9) \times (9+9) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 322 &:= (1+1+1) \times 111 - 11 \\
&:= ((2^{2+2} + 2)^2) - 2 \\
&:= 333 - 33/3 \\
&:= 4^4 + (((4^4 + 4) + 4)/4) \\
&:= 5 + ((5^5 - 5)/(5+5) + 5) \\
&:= (6 \times (66 - (6+6))) - (6+6)/6 \\
&:= 7 \times 7 \times 7 - (7+7+7) \\
&:= 8 \times 8 + (((8+8) \times (8+8)) + ((8+8)/8)) \\
&:= (9+9) \times (9+9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 323 &:= 1 + (1+1+1) \times 111 - 11 \\
&:= ((2^{2+2} + 2)^2) - 2/2 \\
&:= 333 + ((3 - 33)/3) \\
&:= 4 + (((4^4 - 4)/4) + 4^4) \\
&:= 5 + ((5^5 + 5)/(5+5) + 5) \\
&:= (6 \times (66 - (6+6))) - 6/6 \\
&:= 7/7 + (7 \times 7 \times 7 - (7+7+7)) \\
&:= (8/8 + 8 + 8) \times (88/8 + 8) \\
&:= (9+9) \times (9+9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 324 &:= ((1+1) \times (11 - 1 - 1))^{1+1} \\
&:= (2^{2+2} + 2)^2 \\
&:= 3 \times (3 \times (33 + 3)) \\
&:= 4 \times (4 - 4/4)^4 \\
&:= (5/5 + 5) \times (55 - 5/5) \\
&:= 6 \times (66 - (6+6)) \\
&:= (77/7 + 7)^{(7+7)/7} \\
&:= (((8+8)/8) + 8) + 8)^{(8+8)/8} \\
&:= (9+9) \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 325 &:= 1 + ((1+1) \times (11 - 1 - 1))^{1+1} \\
&:= 2/2 + ((2^{2+2} + 2)^2) \\
&:= 3 + (333 - 33/3) \\
&:= 4 + ((4^4 + 4)/4 + 4^4) \\
&:= 5 \times (55 + 5 + 5) \\
&:= 6/6 + (6 \times (66 - (6+6))) \\
&:= 7 \times 7 \times 7 - (77/7 + 7) \\
&:= (8/8 + 8 \times 8) \times ((8 - 88/8) + 8) \\
&:= 9/9 + (9+9) \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 326 &:= (1+1+1) \times (111 - 1 - 1) - 1 \\
&:= 2 + ((2^{2+2} + 2)^2) \\
&:= 333 - ((3/3 + 3) + 3) \\
&:= 4 + (((4^4 + 4) + 4)/4) + 4^4 \\
&:= 5/5 + (5 \times (55 + 5 + 5)) \\
&:= 6 + ((6 - 6/6) \times ((6+6)/6)^6) \\
&:= 7 \times 7 \times 7 + (((7 - 77)/7) - 7) \\
&:= 8 + (((8+8) \times (8+8)) - ((8+8)/8)) + 8 \times 8 \\
&:= (9+9)/9 + (9+9) \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 327 &:= (1+1+1) \times (111 - 1 - 1) \\
&:= 2 + (((2^{2+2} + 2)^2) + 2/2) \\
&:= 333 - (3 + 3) \\
&:= 4 + (((4^4 - 4)/4) + 4^4) + 4 \\
&:= 5 + (((5^5 - 5)/(5+5) + 5) + 5) \\
&:= 6 \times 6 \times 6 + 666/6 \\
&:= 7 \times 7 \times 7 - (((7+7)/7 + 7) + 7) \\
&:= 8 + (((8+8) \times (8+8)) - 8/8) + 8 \times 8 \\
&:= (9+9) \times (9+9) + ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 328 &:= 1 + (1 + 1 + 1) \times (111 - 1 - 1) \\
&:= 2 + (((2^{2+2} + 2)^2) + 2) \\
&:= 3/3 + (333 - (3 + 3)) \\
&:= 4 + (4 \times (4 - 4/4)^4) \\
&:= 5 + (((5^5 + 5)/(5 + 5) + 5) + 5) \\
&:= 6 \times 6 \times 6 + (666 + 6)/6 \\
&:= 7 \times 7 \times 7 - (7/7 + 7 + 7) \\
&:= 8 + (((8 + 8) \times (8 + 8)) + 8 \times 8) \\
&:= 9 + ((99/9) \times (99/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 329 &:= (1 + 1 + 1) \times (111 - 1) - 1 \\
&:= 2 + (((2^{2+2} + 2)^2) + 2/2) + 2) \\
&:= 333 - (3/3 + 3) \\
&:= 4 + (((4^4 + 4)/4 + 4^4) + 4) \\
&:= 55 + (5 \times 55 - 5/5) \\
&:= 6 \times 66 - (66 + 6/6) \\
&:= 7 \times 7 \times 7 - (7 + 7) \\
&:= 8 + (((8 + 8) \times (8 + 8)) + 8/8) + 8 \times 8) \\
&:= (9 + 9) \times (9 + 9) + ((9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 330 &:= (1 + 1 + 1) \times (111 - 1) \\
&:= 22 \times ((22/2 + 2) + 2) \\
&:= 333 - 3 \\
&:= 4^4 + (((4^4 - 4) + 44)/4) \\
&:= 55 + 5 \times 55 \\
&:= 66 \times (6 - 6/6) \\
&:= 7/7 + (7 \times 7 \times 7 - (7 + 7)) \\
&:= 88/8 \times ((88 + 88)/8 + 8) \\
&:= (999 - 9)/(9 + 9 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 331 &:= 1 + (1 + 1 + 1) \times (111 - 1) \\
&:= 222 + (222/2 - 2) \\
&:= 3/3 + (333 - 3) \\
&:= 4^4 + ((44 + 4^4)/4) \\
&:= 55 + (5 \times 55 + 5/5) \\
&:= 6/6 + 66 \times (6 - 6/6) \\
&:= 7 \times 7 \times 7 - (77 + 7)/7 \\
&:= 8 + ((8/8 + 8 + 8) \times (88/8 + 8)) \\
&:= 9 + ((9 + 9) \times (9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 332 &:= (1 + 1 + 1) \times 111 - 1 \\
&:= 2 + (22 \times ((22/2 + 2) + 2)) \\
&:= 333 - 3/3 \\
&:= 4 + ((4 \times (4 - 4/4)^4) + 4) \\
&:= 5 \times 5 + (5^5 - 55)/(5 + 5) \\
&:= 6 \times 66 - ((6 + 6)/6)^6 \\
&:= 7 \times 7 \times 7 - 77/7 \\
&:= 8 + (((8 + 8)/8) + 8) + 8)^{(8+8)/8} \\
&:= 9 + ((9 + 9) \times (9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 333 &:= (1 + 1 + 1) \times 111 \\
&:= 222 + 222/2 \\
&:= 333 \\
&:= 4^4 + ((4 - 4/4)^4 - 4) \\
&:= 5 \times 5 + ((5^5 + 5)/(5 + 5) - 5) \\
&:= 666 \times 6/(6 + 6) \\
&:= 7 \times 7 \times 7 + (7 - 77)/7 \\
&:= (88/8 - 8) \times 888/8 \\
&:= 9 + (9 + 9) \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 334 &:= 1 + (1 + 1 + 1) \times 111 \\
&:= 2 \times (((22/2 + 2)^2) - 2) \\
&:= 3/3 + 333 \\
&:= 444 + ((4 - 444)/4) \\
&:= 5 + ((5 \times 55 - 5/5) + 55) \\
&:= 6/6 + 666 \times 6/(6 + 6) \\
&:= 7 \times 7 \times 7 - ((7 + 7)/7 + 7) \\
&:= (((8 + 8 + 8) \times 888/8) + 8)/8 \\
&:= 9 + ((9 + 9) \times (9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 335 &:= 1 + 1 + (1 + 1 + 1) \times 111 \\
&:= 2 + (222/2 + 222) \\
&:= 3 + (333 - 3/3) \\
&:= 4 + (((44 + 4^4)/4) + 4^4) \\
&:= 5 + (5 \times 55 + 55) \\
&:= (6 - 6/6) \times (66 + 6/6) \\
&:= 7 \times 7 \times 7 - (7/7 + 7) \\
&:= ((8 - 8/8)^{88/8-8}) - 8 \\
&:= 99/9 + (9 + 9) \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 336 &:= (1 + 1 + 1) \times (1 + 111) \\
&:= 2 \times (2 \times (2 \times ((2 \times 22) - 2))) \\
&:= 3 + 333 \\
&:= 4 \times ((4 \times (4 \times 4 + 4)) + 4) \\
&:= (5/5 + 5) \times (55 + 5/5) \\
&:= 6 + 66 \times (6 - 6/6) \\
&:= 7 \times 7 \times 7 - 7 \\
&:= 88 + (((8 + 8) \times (8 + 8)) - 8) \\
&:= (9 + 9) \times (9 + 9) + (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 337 &:= 1 + (1 + 1 + 1) \times (1 + 111) \\
&:= (((22 + 2 + 2)^2) - 2)/2 \\
&:= 3 + (333 + 3/3) \\
&:= 4^4 + (4 - 4/4)^4 \\
&:= 5 \times 5 + (5^5 - 5)/(5 + 5) \\
&:= 6 + (66 \times (6 - 6/6) + 6/6) \\
&:= 7/7 + (7 \times 7 \times 7 - 7) \\
&:= 8 \times (8 \times 8 - 8) - 888/8 \\
&:= 9 \times 9 + (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 338 &:= (1 + 1) \times (1 + 1 + 11)^{1+1} \\
&:= 2 \times ((22/2 + 2)^2) \\
&:= 3 + ((333 - 3/3) + 3) \\
&:= 4/4 + (((4 - 4/4)^4 + 4^4) \\
&:= 5 \times 5 + (5^5 + 5)/(5 + 5) \\
&:= 6 + (6 \times 66 - ((6 + 6)/6)^6) \\
&:= 7 \times 7 \times 7 + ((7 + 7)/7 - 7) \\
&:= 8 \times (8 \times 8 - 8) + ((8 - 888)/8) \\
&:= 9 + (((9 \times 9 + 9)/(9 + 9)) + (9 + 9) \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 339 &:= (1 + 1 + 1) \times (1 + 1 + 111) \\
&:= (((22 + 2 + 2)^2) + 2)/2 \\
&:= 3 + (333 + 3) \\
&:= (4 \times ((4 - 4/4)^4 + 4)) - 4/4 \\
&:= ((5^5 - 55)/5) - 5 \times 55 \\
&:= 6 + 666 \times 6/(6 + 6) \\
&:= 7 + (7 \times 7 \times 7 - (77/7)) \\
&:= 8 + (((8/8 + 8 + 8) \times (88/8 + 8)) + 8) \\
&:= 9 + ((999 - 9)/(9 + 9 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 340 &:= 1 + (1 + 1 + 1) \times (1 + 1 + 111) \\
&:= 2 + (2 \times ((22/2 + 2)^2)) \\
&:= ((3/3 + 3) + 3)^3 - 3 \\
&:= 4 \times ((4 - 4/4)^4 + 4) \\
&:= 5 + ((5 \times 55 + 55) + 5) \\
&:= (6 - 6/6) \times (((6 + 6)/6) + 66) \\
&:= 7 \times 7 \times 7 - (7 + 7 + 7)/7 \\
&:= ((8 \times 88 - 8)/(8 + 8)/8) - 8 \\
&:= ((9 - 9/9) + 9) \times (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 341 &:= 11 + (1 + 1 + 1) \times (111 - 1) \\
&:= 2 + (((22 + 2 + 2)^2) + 2)/2) \\
&:= 3 \times 3 + (333 - 3/3) \\
&:= 4 + ((4 - 4/4)^4 + 4^4) \\
&:= 5 + ((5/5 + 5) \times (55 + 5/5)) \\
&:= 6 + ((6 - 6/6) \times (66 + 6/6)) \\
&:= 7 \times 7 \times 7 - (7 + 7)/7 \\
&:= 8 + ((88/8 - 8) \times 888/8) \\
&:= 9 + (((9 + 9) \times (9 + 9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 342 &:= (1 + 1 + 1) \times (1 + (1 + 1 + 111)) \\
&:= 2 \times (((22/2 + 2)^2) + 2) \\
&:= 3 \times 3 + 333 \\
&:= (4 - 44)/4 + ((4 + 4) \times 44) \\
&:= 5 + ((5^5 - 5)/(5 + 5) + 5 \times 5) \\
&:= 6 + (66 \times (6 - 6/6) + 6) \\
&:= 7 \times 7 \times 7 - 7/7 \\
&:= 88 + (((8 + 8) \times (8 + 8)) - ((8 + 8)/8)) \\
&:= 9 + ((9 + 9) \times (9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 343 &:= 11 + (1 + 1 + 1) \times 111 - 1 \\
&:= 222 + (22/2)^2 \\
&:= ((3/3 + 3) + 3)^3 \\
&:= ((4 - 4/4) + 4)^{4-4/4} \\
&:= 5 + ((5^5 + 5)/(5 + 5) + 5 \times 5) \\
&:= (6/6 + 6)^{6 \times 6/(6+6)} \\
&:= 7 \times 7 \times 7 \\
&:= (8 - 8/8)^{88/8-8} \\
&:= 9 + (((9 + 9) \times (9 + 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 344 &:= 11 + (1 + 1 + 1) \times 111 \\
&:= 2 \times (2 \times (2 \times 2 \times 22 - 2)) \\
&:= 333 + 33/3 \\
&:= 44 + (44 + 4^4) \\
&:= (5^5 - 5)/5 - (5 \times 55 + 5) \\
&:= 6 + ((6 \times 66 - ((6 + 6)/6)^6) + 6) \\
&:= 7/7 + 7 \times 7 \times 7 \\
&:= 88 + ((8 + 8) \times (8 + 8)) \\
&:= 9 + ((9 + 9) \times (9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 345 &:= 1 + 11 + (1 + 1 + 1) \times 111 \\
&:= 2 + ((22/2)^2 + 222) \\
&:= 3 + (333 + 3 \times 3) \\
&:= 4 + (((4 - 4/4)^4 + 4^4) + 4) \\
&:= 5^5 - (5 \times 555 + 5) \\
&:= 6 + (666 \times 6/(6 + 6) + 6) \\
&:= 7 \times 7 \times 7 + (7 + 7)/7 \\
&:= 8/8 + (((8 + 8) \times (8 + 8)) + 88) \\
&:= 9 + ((9 + 9) \times (9 + 9) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 346 &:= 1 + 1 + 11 + (1 + 1 + 1) \times 111 \\
&:= 22 + ((2^{2+2} + 2)^2) \\
&:= 3 + (((3/3 + 3) + 3)^3) \\
&:= ((4 + 4) \times 44) - ((4 + 4)/4 + 4) \\
&:= (5^5 + 5)/5 - (5 \times 55 + 5) \\
&:= 6 + ((6 - 6/6) \times (((6 + 6)/6) + 66)) \\
&:= 7 \times 7 \times 7 + (7 + 7 + 7)/7 \\
&:= 88 + (((8 + 8) \times (8 + 8)) + ((8 + 8)/8)) \\
&:= 9 + (((9 + 9)/9)^{9-9/9} + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 347 &:= 11 + (1 + 1 + 1) \times (1 + 111) \\
&:= 2 + (((22/2)^2 + 222) + 2) \\
&:= 3 + (333 + 33/3) \\
&:= ((4 + 4) \times 44) - (4/4 + 4) \\
&:= (55/5 \times ((5 + 5)/5)^5) - 5 \\
&:= 6 \times (66 - 6) - (6/6 + 6 + 6) \\
&:= 7 \times 7 \times 7 + (77/7 - 7) \\
&:= ((8 \times 88 - 8)/(8 + 8)/8) - 8/8 \\
&:= 9 \times 9 \times (9 + 9) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 348 &:= 1 + 11 + (1 + 1 + 1) \times (1 + 111) \\
&:= 2 \times ((2 \times 2 \times 2 \times 22) - 2) \\
&:= 3 + ((333 + 3 \times 3) + 3) \\
&:= ((4 + 4) \times 44) - 4 \\
&:= (5^5 - 5 - 5)/5 - 5 \times 55 \\
&:= 6 \times (((6 + 6)/6)^6 - 6) \\
&:= 7 + (7 \times 7 \times 7 - ((7 + 7)/7)) \\
&:= (8 \times 88 - 8)/((8 + 8)/8) \\
&:= ((99 + 9)/9) \times (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 349 &:= 11 + (1 + 1) \times (1 + 1 + 11)^{1+1} \\
&:= (22 \times 2^{2+2}) - 2/2 - 2 \\
&:= 3 + (((3/3 + 3) + 3)^3) + 3) \\
&:= 4/4 + (((4 + 4) \times 44) - 4) \\
&:= (5^5 - 5)/5 - 5 \times 55 \\
&:= 6 \times (66 - 6) - 66/6 \\
&:= 7 + (7 \times 7 \times 7 - 7/7) \\
&:= 8/8 + ((8 \times 88 - 8)/(8 + 8)/8) \\
&:= 9 + (((9 - 9/9) + 9) \times (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 350 &:= 11 + (1 + 1 + 1) \times (1 + 1 + 111) \\
&:= (22 \times 2^{2+2}) - 2 \\
&:= 3 + ((333 + 33/3) + 3) \\
&:= ((4 + 4) \times 44) - (4 + 4)/4 \\
&:= 5 \times ((55 + 5 + 5) + 5) \\
&:= (6 - 6/6) \times (((6 + 6)/6)^6 + 6) \\
&:= 7 + 7 \times 7 \times 7 \\
&:= ((8 + 8)/8) \times (888/8 + 8 \times 8) \\
&:= (((9 + 9)/9)^9) - 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 351 &:= 11 \times (11 \times (1 + 1 + 1) - 1) - 1 \\
&:= (22 \times 2^{2+2}) - 2/2 \\
&:= 3 \times (3 \times (33 + 3 + 3)) \\
&:= ((4 + 4) \times 44) - 4/4 \\
&:= (5^5 + 5)/5 - 5 \times 55 \\
&:= (666 + 6 \times 6)/((6 + 6)/6) \\
&:= 7 + (7 \times 7 \times 7 + 7/7) \\
&:= 8 + ((8 - 8/8)^{88/8-8}) \\
&:= 9 + (((9 + 9) \times (9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 352 &:= 11 \times (11 \times (1 + 1 + 1) - 1) \\
&:= 22 \times 2^{2+2} \\
&:= 3 \times 3 + (((3/3 + 3) + 3)^3) \\
&:= (4 + 4) \times 44 \\
&:= 55/5 \times ((5 + 5)/5)^5 \\
&:= 6 \times (66 - 6) - ((6 + 6)/6 + 6) \\
&:= 7 + (7 \times 7 \times 7 + ((7 + 7)/7)) \\
&:= 8 \times (88/(8 + 8)/8) \\
&:= ((9/9 + 9 + 9)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 353 &:= 1 + 11 \times (11 \times (1 + 1 + 1) - 1) \\
&:= 2/2 + (22 \times 2^{2+2}) \\
&:= 3 \times 3 + (333 + 33/3) \\
&:= 4/4 + ((4 + 4) \times 44) \\
&:= ((55 \times ((5 + 5)/5)^5) + 5)/5 \\
&:= 6 \times (66 - 6) - 6/6 - 6 \\
&:= 7 \times 7 \times 7 + (77 - 7)/7 \\
&:= 8/8 + (8 \times (88/(8 + 8)/8)) \\
&:= 9 + (((9 + 9) \times (9 + 9) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 354 &:= 1 + 1 + 11 \times (11 \times (1 + 1 + 1) - 1) \\
&:= 2 + (22 \times 2^{2+2}) \\
&:= 3 + (333 + (3 \times (3 + 3))) \\
&:= (4 + 4)/4 + ((4 + 4) \times 44) \\
&:= 5 + ((5^5 - 5)/5 - 5 \times 55) \\
&:= 6 \times (66 - 6) - 6 \\
&:= 7 \times 7 \times 7 + 77/7 \\
&:= (8 + 8)/8 + (8 \times (88/(8 + 8)/8)) \\
&:= 9 \times (9 + 9 + 9) + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 355 &:= 11 + 11 + (1 + 1 + 1) \times 111 \\
&:= 2 + ((22 \times 2^{2+2}) + 2/2) \\
&:= 3 + (((3/3 + 3) + 3)^3) + 3 \times 3) \\
&:= 4 + (((4 + 4) \times 44) - 4/4) \\
&:= 55 + (5 \times (55 + 5)) \\
&:= 6/6 + (6 \times (66 - 6) - 6) \\
&:= 7 \times 7 \times 7 + (77 + 7)/7 \\
&:= 88 + (((8 + 8) \times (8 + 8)) + (88/8)) \\
&:= 99 + (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 356 &:= (1 + 1 + 1) \times (11^{1+1} - (1 + 1)) - 1 \\
&:= 2 + ((22 \times 2^{2+2}) + 2) \\
&:= 3^3 + (333 - (3/3 + 3)) \\
&:= 4 + ((4 + 4) \times 44) \\
&:= 5 + ((5^5 + 5)/5 - 5 \times 55) \\
&:= (6 + 6)/6 + (6 \times (66 - 6) - 6) \\
&:= 7 + ((7 \times 7 \times 7 - 7/7) + 7) \\
&:= (8 \times 88 + 8)/(8 + 8)/8 \\
&:= (((9 \times 9 \times 9 + 9)/(9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 357 &:= (1 + 1 + 1) \times (11^{1+1} - 1 - 1) \\
&:= (2/2 + 2) \times ((22/2)^2 - 2) \\
&:= 3^3 + (333 - 3) \\
&:= 4 + (((4 + 4) \times 44) + 4/4) \\
&:= 5 + (55/5 \times ((5 + 5)/5)^5) \\
&:= 66 \times 66/(6 + 6) - 6 \\
&:= 7 + (7 \times 7 \times 7 + 7) \\
&:= 8/8 + ((8 \times 88 + 8)/(8 + 8)/8) \\
&:= ((9 - 9/9) + 9) \times (((99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 358 &:= 1 + (1 + 1 + 1) \times (11^{1+1} - (1 + 1)) \\
&:= 2 + (((22 \times 2^{2+2}) + 2) + 2) \\
&:= 3^3 + ((333 - 3) + 3/3) \\
&:= 4 + (((4 + 4) \times 44) + (4 + 4)/4) \\
&:= 5 + (((55 \times ((5 + 5)/5)^5) + 5)/5) \\
&:= 6 \times (66 - 6) - (6 + 6)/6 \\
&:= 7 + ((7 \times 7 \times 7 + 7/7) + 7) \\
&:= 8 \times (8 \times 8 - 8) - ((8 + 8)/8 + 88) \\
&:= (9 + 9)/9 \times ((9 \times 9 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 359 &:= (1 + 1 + 1) \times (11^{1+1} - 1) - 1 \\
&:= ((22 - (2/2 + 2))^2) - 2 \\
&:= 3^3 + (333 - 3/3) \\
&:= 4 + (((4 + 4) \times 44) - 4/4) + 4 \\
&:= (5/5 + 5) \times (55 + 5) - 5/5 \\
&:= 6 \times (66 - 6) - 6/6 \\
&:= 7 + ((7 \times 7 \times 7 + ((7 + 7)/7)) + 7) \\
&:= 8 \times (8 \times 8 - 8) - (8/8 + 88) \\
&:= 9 + (((9 + 9)/9)^9) - 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 360 &:= (1 + 1 + 1) \times (11^{1+1} - 1) \\
&:= 2 \times (2 \times (2 \times 2 \times 22 + 2)) \\
&:= 3^3 + 333 \\
&:= 4 + (((4 + 4) \times 44) + 4) \\
&:= (5/5 + 5) \times (55 + 5) \\
&:= 6 \times (66 - 6) \\
&:= 7 + (((77 - 7)/7) + 7 \times 7 \times 7) \\
&:= 8 \times (8 \times 8 - 8) - 88 \\
&:= (9 + 9) \times (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 361 &:= (((1 + 1) \times (11 - 1)) - 1)^{1+1} \\
&:= (22 - (2/2 + 2))^2 \\
&:= 3^3 + (333 + 3/3) \\
&:= 4 + (((4 + 4) \times 44) + 4/4) + 4 \\
&:= 5/5 + (5/5 + 5) \times (55 + 5) \\
&:= 6/6 + 6 \times (66 - 6) \\
&:= 7 + (7 \times 7 \times 7 + (77/7)) \\
&:= (88/8 + 8)^{(8+8)/8} \\
&:= (9/9 + 9 + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 362 &:= 11 \times 11 \times (1 + 1 + 1) - 1 \\
&:= 2 + (2 \times (2 \times (2 \times 2 \times 22 + 2))) \\
&:= (33 \times 33 - 3)/3 \\
&:= 4^4 + ((444 - 4)/4 - 4) \\
&:= 55 + (5^5 - 55)/(5 + 5) \\
&:= (6 + 6)/6 + 6 \times (66 - 6) \\
&:= 7 + ((77 + 7)/7 + 7 \times 7 \times 7) \\
&:= 8/8 + ((88/8 + 8)^{(8+8)/8}) \\
&:= 9/9 + ((9/9 + 9 + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 363 &:= 11 \times 11 \times (1 + 1 + 1) \\
&:= 2 + ((22 - (2/2 + 2))^2) \\
&:= 33 \times 33/3 \\
&:= 4^4 + (444/4 - 4) \\
&:= 55 + ((5^5 + 5)/(5 + 5) - 5) \\
&:= 66 \times 66/(6 + 6) \\
&:= 7 + (((7 \times 7 \times 7 - 7/7) + 7) + 7) \\
&:= 88/8 + (8 \times (88/((8 + 8)/8))) \\
&:= (99 \times 99)/(9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 364 &:= 1 + 11 \times 11 \times (1 + 1 + 1) \\
&:= 2 \times ((2 \times (2 \times 2 \times 22 + 2)) + 2) \\
&:= (33 \times 33 + 3)/3 \\
&:= 4 + (((4 + 4) \times 44) + 4) + 4 \\
&:= (5 \times (5 \times (5 + 5 + 5))) - 55/5 \\
&:= 6 + (6 \times (66 - 6) - ((6 + 6)/6)) \\
&:= 7 + (7 \times 7 \times 7 + 7 + 7) \\
&:= 8 + ((8 \times 88 + 8)/((8 + 8)/8)) \\
&:= ((9 \times 9 \times 9 + 9) - 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 365 &:= 1 + 1 + 11 \times 11 \times (1 + 1 + 1) \\
&:= 2 + (((22 - (2/2 + 2))^2) + 2) \\
&:= 3 + ((33 \times 33 - 3)/3) \\
&:= (4/4 + 4)^4 - (4^4 + 4) \\
&:= 5 + (5/5 + 5) \times (55 + 5) \\
&:= 6 + (6 \times (66 - 6) - 6/6) \\
&:= 7 + (((7 \times 7 \times 7 + 7/7) + 7) + 7) \\
&:= 888 - (8 \times 8 \times 8 + 88/8) \\
&:= ((9 \times 9 \times 9 + 9) + 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 366 &:= (1 + 1 + 1) \times (1 + 11^{1+1}) \\
&:= 222 + ((2 \times (2 + 2 + 2))^2) \\
&:= 33 + 333 \\
&:= 4^4 + (444 - 4)/4 \\
&:= (5/5 + 5) \times ((55 + 5/5) + 5) \\
&:= 6 + 6 \times (66 - 6) \\
&:= 7 + (((7 \times 7 \times 7 + ((7 + 7)/7)) + 7) + 7) \\
&:= ((8 + 8) \times (8 + 8)) + ((888 - 8)/8) \\
&:= 9/9 + (((9 \times 9 \times 9 + 9) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 367 &:= 1 + (1 + 1 + 1) \times (1 + 11^{1+1}) \\
&:= 222/2 + 2^{2 \times (2+2)} \\
&:= 3 + ((33 \times 33 + 3)/3) \\
&:= 4^4 + 444/4 \\
&:= 55 + (5^5 - 5)/(5 + 5) \\
&:= 6 + (6 \times (66 - 6) + 6/6) \\
&:= 7 + (((77 - 7)/7) + 7 \times 7 \times 7) + 7) \\
&:= 888/8 + ((8 + 8) \times (8 + 8)) \\
&:= 9 + (((9 + 9)/9) \times ((9 \times 9 - 9/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 368 &:= 1 + 1 + (1 + 1 + 1) \times (1 + 11^{1+1}) \\
&:= 2 \times (2 \times (2 \times ((2 \times 22) + 2))) \\
&:= 3 + (((33 \times 33 - 3)/3) + 3) \\
&:= 4 \times (44 + 44 + 4) \\
&:= 55 + (5^5 + 5)/(5 + 5) \\
&:= 6 + (6 \times (66 - 6) + ((6 + 6)/6)) \\
&:= 7 + ((7 \times 7 \times 7 + (77/7)) + 7) \\
&:= 8 + (8 \times (8 \times 8 - 8) - 88) \\
&:= 9 + (((((9 + 9)/9)^9) - 9 \times (9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 369 &:= (1 + 1 + 1) \times (1 + (1 + 11^{1+1})) \\
&:= (2/2 + 2) \times ((22/2)^2 + 2) \\
&:= 3 + (333 + 33) \\
&:= (4/4 + 4)^4 - 4^4 \\
&:= (5 \times (5 \times (5 + 5 + 5))) - (5/5 + 5) \\
&:= 6 + 66 \times 66/(6 + 6) \\
&:= 7 + (((77 + 7)/7 + 7 \times 7 \times 7) + 7) \\
&:= 8 + ((88/8 + 8)^{(8+8)/8}) \\
&:= 9 + (9 + 9) \times (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 370 &:= (1111 - 1)/(1 + 1 + 1) \\
&:= 2 + (2 \times (2 \times (2 \times ((2 \times 22) + 2)))) \\
&:= 3^3 + (((3/3 + 3) + 3)^3) \\
&:= 4 + ((444 - 4)/4 + 4^4) \\
&:= (5 \times (5 \times (5 + 5 + 5))) - 5 \\
&:= 6 \times (66 - 6) + (66 - 6)/6 \\
&:= 77 + (7 \times (7 \times 7 - 7) - 7/7) \\
&:= (8888 - 8)/(8 + 8 + 8) \\
&:= 9 + ((9/9 + 9 + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 371 &:= 1 + (1111 - 1)/(1 + 1 + 1) \\
&:= 22^2 - (222/2 + 2) \\
&:= 3^3 + (333 + 33/3) \\
&:= 4 + (444/4 + 4^4) \\
&:= 5/5 + ((5 \times (5 \times (5 + 5 + 5))) - 5) \\
&:= 66/6 + 6 \times (66 - 6) \\
&:= 77 + 7 \times (7 \times 7 - 7) \\
&:= (8 - 8/8) \times (8 \times 8 - 88/8) \\
&:= 99/9 + ((9 + 9) \times (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 372 &:= 1 + 1 + (1111 - 1)/(1 + 1 + 1) \\
&:= 2 \times ((2 \times (2 \times ((2 \times 22) + 2))) + 2) \\
&:= 3 + ((333 + 33) + 3) \\
&:= 4 + (((4 + 4) \times 44) + 4 \times 4) \\
&:= 5 + ((5^5 - 5)/(5 + 5) + 55) \\
&:= 6 + (6 \times (66 - 6) + 6) \\
&:= 7/7 + (7 \times (7 \times 7 - 7) + 77) \\
&:= 8 + (((8 \times 88 + 8)/((8 + 8)/8)) + 8) \\
&:= 9 + ((99 \times 99)/(9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 373 &:= (11 + 11)^{1+1} - 111 \\
&:= 22^2 - 222/2 \\
&:= 3 + (((3/3 + 3) + 3)^3) + 3^3 \\
&:= 4 + ((4/4 + 4)^4 - 4^4) \\
&:= 5 + ((5^5 + 5)/(5 + 5) + 55) \\
&:= 6 + ((6 \times (66 - 6) + 6/6) + 6) \\
&:= 77 + (7 \times (7 \times 7 - 7) + ((7 + 7)/7)) \\
&:= (8 \times (8 \times 8 - (8 + 8))) - 88/8 \\
&:= 9 + (((9 \times 9 \times 9 \times 9) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 374 &:= 11 \times (1 + 11 \times (1 + 1 + 1)) \\
&:= 22 + (22 \times 2^{2+2}) \\
&:= 33/3 \times (3/3 + 33) \\
&:= (44 \times (4 \times 4 \times 4 + 4))/(4 + 4) \\
&:= (5 \times (5 \times (5 + 5 + 5))) - 5/5 \\
&:= (66/6) \times (6 \times 6 - ((6 + 6)/6)) \\
&:= 7 \times (7 \times 7 + 7) - (77/7 + 7) \\
&:= 888 - (8 \times 8 \times 8 + (8 + 8)/8) \\
&:= 9 + (((9 \times 9 \times 9 \times 9) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 375 &:= 1 + 11 \times (1 + 11 \times (1 + 1 + 1)) \\
&:= 2 + (22^2 - 222/2) \\
&:= 3 \times ((3 - 3/3 + 3)^3) \\
&:= 4 + ((444/4 + 4^4) + 4) \\
&:= 5 \times (5 \times (5 + 5 + 5)) \\
&:= 6 + (66 \times 66/(6 + 6) + 6) \\
&:= 7 + (((7 \times 7 \times 7 + (77/7)) + 7) + 7) \\
&:= 888 - (8 \times 8 \times 8 + 8/8) \\
&:= ((9 + 9) \times (9 + 9 + 9)) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 376 &:= 1 + 1 + 11 \times (1 + 11 \times (1 + 1 + 1)) \\
&:= (22 - 2)^2 - (22 + 2) \\
&:= 33 + (((3/3 + 3) + 3)^3) \\
&:= (4 + 4) \times (44 - 4/4 + 4) \\
&:= 5/5 + (5 \times (5 \times (5 + 5 + 5))) \\
&:= 6 + (6 \times (66 - 6) + ((66 - 6)/6)) \\
&:= (7/7 + 7) \times 7 \times 7 - (7 + 7)/7 \\
&:= 888 - 8 \times 8 \times 8 \\
&:= 9 \times 9 + ((99 \times (9 + 9 + 9) - (9 + 9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 377 &:= 11 + (1 + 1 + 1) \times (1 + 11^{1+1}) \\
&:= (22/2)^2 + 2^{2 \times (2+2)} \\
&:= 3 + (33/3 \times (3/3 + 33)) \\
&:= 4 + (((4/4 + 4)^4 - 4^4) + 4) \\
&:= (5 + 5)/5 + (5 \times (5 \times (5 + 5 + 5))) \\
&:= 6 + (6 \times (66 - 6) + (66/6)) \\
&:= 7 \times (7 \times 7 + 7) - (7/7 + 7 + 7) \\
&:= 8/8 + (888 - 8 \times 8 \times 8) \\
&:= 9 \times 9 + ((99 \times (9 + 9 + 9) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 378 &:= 1 + 11 + (1 + 1 + 1) \times (1 + 11^{1+1}) \\
&:= (22 - 2)^2 - 22 \\
&:= 3 \times (3 \times 33 + 3^3) \\
&:= 4^4 + ((444 + 44)/4) \\
&:= ((5 + 5)/5 + 5) \times (55 - 5/5) \\
&:= 6 \times 66 - 6 - 6 - 6 \\
&:= 7 \times (7 \times 7 + 7) - (7 + 7) \\
&:= (8 - (8 + 8)/8) \times (8 \times 8 - 8/8) \\
&:= (9 + 9) \times (((99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 379 &:= (11 - 1) \times (1 + 111/(1 + 1 + 1)) - 1 \\
&:= 2/2 + ((22 - 2)^2 - 22) \\
&:= 3 + (((3/3 + 3) + 3)^3) + 33 \\
&:= 444 - (4^4 + 4)/4 \\
&:= 5 + ((5 \times (5 \times (5 + 5 + 5))) - 5/5) \\
&:= 6 \times 66 - ((66/6) + 6) \\
&:= 7/7 + (7 \times (7 \times 7 + 7) - (7 + 7)) \\
&:= 8 + ((8 - 8/8) \times (8 \times 8 - 88/8)) \\
&:= 9 \times 99 - (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 380 &:= (11 - 1) \times (1 + 111/(1 + 1 + 1)) \\
&:= 2 + ((22 - 2)^2 - 22) \\
&:= 3 + ((33/3 \times (3/3 + 33)) + 3) \\
&:= 444 - 4 \times 4 \times 4 \\
&:= 5 + (5 \times (5 \times (5 + 5 + 5))) \\
&:= 6 \times 66 + (((6 - 66)/6) - 6) \\
&:= 7 \times (7 \times 7 + 7) - (77 + 7)/7 \\
&:= (8 \times (88 + 8) - 8)/((8 + 8)/8) \\
&:= (9/9 + 9 + 9) \times (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 381 &:= 11 + (1111 - 1)/(1 + 1 + 1) \\
&:= 2 + (((22 - 2)^2 - 22) + 2/2) \\
&:= 3 + (3 \times (3 \times 33 + 3^3)) \\
&:= 444 + ((4 - 4^4)/4) \\
&:= 5 + ((5 \times (5 \times (5 + 5 + 5))) + 5/5) \\
&:= 6 + ((66 \times 66/(6 + 6) + 6) + 6) \\
&:= 7 \times (7 \times 7 + 7) - 77/7 \\
&:= 8 + ((8 \times (8 \times 8 - (8 + 8))) - (88/8)) \\
&:= 9 + (((99 \times 99)/(9 + 9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 382 &:= 1 + 11 + (1111 - 1)/(1 + 1 + 1) \\
&:= (2^{2+2} \times (22 + 2)) - 2 \\
&:= 3333/3 - 3^{3+3} \\
&:= 4^4 + ((4^4 - 4)/((4 + 4)/4)) \\
&:= 5^5/5 - ((5 - (5 + 5)/5)^5) \\
&:= 6 \times 66 - ((6 + 6)/6 + 6 + 6) \\
&:= ((7 - 77)/7) + 7 \times (7 \times 7 + 7) \\
&:= (8 \times (8 \times 8 - (8 + 8))) - (8 + 8)/8 \\
&:= 9999/9 - 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 383 &:= (1 + 11) \times (11 \times (1 + 1 + 1) - 1) - 1 \\
&:= 22 + ((22 - (2/2 + 2))^2) \\
&:= ((3 + 3) \times ((3/3 + 3)^3)) - 3/3 \\
&:= ((4 + 4) \times (44 + 4)) - 4/4 \\
&:= 5 + (((5 + 5)/5 + 5) \times (55 - 5/5)) \\
&:= 6 \times 66 - (6/6 + 6 + 6) \\
&:= 7 \times (7 \times 7 + 7) - ((7 + 7)/7 + 7) \\
&:= (8 \times (8 \times 8 - (8 + 8))) - 8/8 \\
&:= 9 + (((9 \times 9 \times 9 \times 9) + 9)/(9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 384 &:= (1 + 11) \times (11 \times (1 + 1 + 1) - 1) \\
&:= 2^{2+2} \times (22 + 2) \\
&:= (3 + 3) \times ((3/3 + 3)^3) \\
&:= (4 + 4) \times (44 + 4) \\
&:= ((55 + 5)/5) \times ((5 + 5)/5)^5 \\
&:= 6 \times ((6 + 6)/6)^6 \\
&:= (7/7 + 7) \times (7 \times 7 - 7/7) \\
&:= 8 \times (8 \times 8 - (8 + 8)) \\
&:= ((9 + 9)/9) \times (999/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 385 &:= 11 \times (1 + 1 + 11 \times (1 + 1 + 1)) \\
&:= 2/2 + (2^{2+2} \times (22 + 2)) \\
&:= 3/3 + ((3 + 3) \times ((3/3 + 3)^3)) \\
&:= 4/4 + ((4 + 4) \times (44 + 4)) \\
&:= 55 \times ((5 + 5)/5 + 5) \\
&:= 6 \times 66 - 66/6 \\
&:= 7 \times (7 \times 7 + 7) - 7 \\
&:= 8/8 + (8 \times (8 \times 8 - (8 + 8))) \\
&:= 99/9 \times (((9 - 9/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 386 &:= 1 + 11 \times (1 + 1 + 11 \times (1 + 1 + 1)) \\
&:= 2 + (2^{2+2} \times (22 + 2)) \\
&:= 3^{3+3} - (((3/3 + 3) + 3)^3) \\
&:= 4^4 + ((4^4 + 4)/((4 + 4)/4)) \\
&:= 5 \times 55 + 555/5 \\
&:= 6 \times 66 + (6 - 66)/6 \\
&:= 7/7 + (7 \times (7 \times 7 + 7) - 7) \\
&:= (8 + 8)/8 + (8 \times (8 \times 8 - (8 + 8))) \\
&:= (((9 + 9)/9)^9) - ((99 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 387 &:= 1 + 1 + 11 \times (1 + 1 + 11 \times (1 + 1 + 1)) \\
&:= (22 - 2)^2 - (22/2 + 2) \\
&:= 3 + ((3 + 3) \times ((3/3 + 3)^3)) \\
&:= 4 + (((4 + 4) \times (44 + 4)) - 4/4) \\
&:= 5 \times 55 + (555 + 5)/5 \\
&:= 6 \times 66 + (((6 - 66) + 6)/6) \\
&:= ((7 + 7)/7) + (7 \times (7 \times 7 + 7) - 7) \\
&:= 888 + (88/8 - 8 \times 8 \times 8) \\
&:= ((9 + 9) \times (9 + 9 + 9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 388 &:= ((1+1) \times (11-1))^{1+1} - 1 - 11 \\
&:= 2 \times (((2^{2+2} - 2)^2) - 2) \\
&:= 3 + (((3+3) \times ((3/3+3)^3)) + 3/3) \\
&:= 4 + (((4+4) \times (44+4)) \\
&:= 5 \times 55 + (555+5+5)/5 \\
&:= 6 \times 66 - ((6+6)/6+6) \\
&:= ((7 \times 777) - 7)/(7+7) \\
&:= (8 \times (88+8) + 8)/((8+8)/8) \\
&:= 9 + (9 \times 99 - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 389 &:= ((1+1) \times (11-1))^{1+1} - 11 \\
&:= (22-2)^2 - 22/2 \\
&:= 3^3 + ((33 \times 33 - 3)/3) \\
&:= 4 + (((4+4) \times (44+4)) + 4/4) \\
&:= 5 \times (5 \times 5 + 55) - 55/5 \\
&:= 6 \times 66 - 6/6 - 6 \\
&:= ((7 \times 777) + 7)/(7+7) \\
&:= (((8-8/8) \times 888) + 8)/(8+8) \\
&:= 9 + ((9/9+9+9) \times (99/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 390 &:= 1 + ((1+1) \times (11-1))^{1+1} - 11 \\
&:= (2 \times ((2^{2+2} - 2)^2)) - 2 \\
&:= 3^3 + (33 \times 33/3) \\
&:= ((4+4)/4+4) \times (4^4+4)/4 \\
&:= 5 + (55 \times ((5+5)/5+5)) \\
&:= 6 \times 66 - 6 \\
&:= 7 \times (7 \times 7 + 7) - (7+7)/7 \\
&:= (8 - (8+8)/8) \times (8/8+8 \times 8) \\
&:= ((9 \times 9 \times 99) - 999)/(9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 391 &:= (1+1)^{11-1-1} - 11^{1+1} \\
&:= 2 + ((22-2)^2 - 22/2) \\
&:= 3^3 + ((33 \times 33 + 3)/3) \\
&:= 444 + ((44-4^4)/4) \\
&:= 5 + (555/5 + 5 \times 55) \\
&:= 6/6 + (6 \times 66 - 6) \\
&:= 7 \times (7 \times 7 + 7) - 7/7 \\
&:= 8 + ((8 \times (8 \times 8 - (8+8))) - 8/8) \\
&:= ((99/9+9) \times (9+9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 392 &:= (1+1) \times (1+1+1+11)^{1+1} \\
&:= 2 \times ((2^{2+2} - 2)^2) \\
&:= (3/3+3) \times (3 \times 33 - 3/3) \\
&:= 4 + (((4+4) \times (44+4)) + 4) \\
&:= ((5+5)/5+5) \times (55+5/5) \\
&:= (6+6)/6 + (6 \times 66 - 6) \\
&:= 7 \times (7 \times 7 + 7) \\
&:= 8 + (8 \times (8 \times 8 - (8+8))) \\
&:= (9-9/9) \times ((9 \times 99 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 393 &:= (1+1+1) \times (11 \times (1+11) - 1) \\
&:= 2/2 + (2 \times ((2^{2+2} - 2)^2)) \\
&:= (33 \times (3 \times 3 + 3)) - 3 \\
&:= 4 + (((4+4) \times (44+4)) + 4/4 + 4) \\
&:= 5 \times 5 + ((5^5+5)/(5+5) + 55) \\
&:= 6 \times 66 - 6 \times 6/(6+6) \\
&:= 7/7 + 7 \times (7 \times 7 + 7) \\
&:= 8 + ((8 \times (8 \times 8 - (8+8))) + 8/8) \\
&:= 9 + (((9+9)/9) \times (999/9+9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 394 &:= 1 + (1+1+1) \times (11 \times (1+11) - 1) \\
&:= 2 + (2 \times ((2^{2+2} - 2)^2)) \\
&:= 3/3 + ((33 \times (3 \times 3 + 3)) - 3) \\
&:= 4 + (((4+4)/4+4) \times (4^4+4)/4) \\
&:= (5-5/5)^5 - (5^5/5+5) \\
&:= 6 \times 66 - (6+6)/6 \\
&:= ((7+7)/7) + 7 \times (7 \times 7 + 7) \\
&:= 8 + ((8 \times (8 \times 8 - (8+8))) + ((8+8)/8)) \\
&:= 9 \times 9 + ((9+9) \times (9+9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 395 &:= 11 \times (1+1+1) \times (1+11) - 1 \\
&:= (22-2)^2 - (2/2+2+2) \\
&:= (33 \times (3 \times 3 + 3)) - 3/3 \\
&:= 44 + (((4+4) \times 44) - 4/4) \\
&:= 5 \times (5 \times 5 + 55) - 5 \\
&:= 6 \times 66 - 6/6 \\
&:= 7 + (((7 \times 777) - 7)/(7+7)) \\
&:= 88/8 + (8 \times (8 \times 8 - (8+8))) \\
&:= (((9+9)/9)^9) - (99+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 396 &:= 11 \times (1+1+1) \times (1+11) \\
&:= 22 \times (2^{2+2} + 2) \\
&:= 33 \times (3 \times 3 + 3) \\
&:= 44 + ((4+4) \times 44) \\
&:= 5/5 + (5 \times (5 \times 5 + 55) - 5) \\
&:= 6 \times 66 \\
&:= 7 + (((7 \times 777) + 7)/(7+7)) \\
&:= (88 \times (8 \times 8 + 8))/(8+8) \\
&:= 9 \times 9 + ((9+9) \times (9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 397 &:= 1 + 11 \times (1+1+1) \times (1+11) \\
&:= (22-2)^2 - 2/2 - 2 \\
&:= 3/3 + (33 \times (3 \times 3 + 3)) \\
&:= 44 + (((4+4) \times 44) + 4/4) \\
&:= 5 + (((5+5)/5+5) \times (55+5/5)) \\
&:= 6/6 + 6 \times 66 \\
&:= 7 + (7 \times (7 \times 7 + 7) - ((7+7)/7)) \\
&:= 8/8 + ((88 \times (8 \times 8 + 8))/(8+8)) \\
&:= (((9+9) \times (99+99)) + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 398 &:= ((1+1) \times (11-1))^{1+1} - 1 - 1 \\
&:= (22-2)^2 - 2 \\
&:= 3 + ((33 \times (3 \times 3 + 3)) - 3/3) \\
&:= 444 - ((4+4)/4+44) \\
&:= (5-5/5)^5 - (5^5+5)/5 \\
&:= (6+6)/6+6 \times 66 \\
&:= 7 + (7 \times (7 \times 7 + 7) - 7/7) \\
&:= 8 + ((8 - (8+8)/8) \times (8/8+8 \times 8)) \\
&:= ((9+9)/9) \times ((9/9+99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 399 &:= ((1+1) \times (11-1))^{1+1} - 1 \\
&:= (22-2)^2 - 2/2 \\
&:= 3 + (33 \times (3 \times 3 + 3)) \\
&:= 4 \times 4^4 - (4/4+4)^4 \\
&:= (5-5/5)^5 - 5^5/5 \\
&:= 6 \times 66 + (6 \times 6/(6+6)) \\
&:= 7 + 7 \times (7 \times 7 + 7) \\
&:= (8-8/8) \times ((8/8-8) + 8 \times 8) \\
&:= (9/9+9+9) \times (((99+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 400 &:= ((1+1) \times (11-1))^{1+1} \\
&:= (22-2)^2 \\
&:= 3 + ((33 \times (3 \times 3 + 3)) + 3/3) \\
&:= 444 - 44 \\
&:= 5 \times (5 \times 5 + 55) \\
&:= 6 + (6 \times 66 - ((6+6)/6)) \\
&:= 7 + (7 \times (7 \times 7 + 7) + 7/7) \\
&:= 8 + ((8 \times (8 \times 8 - (8+8))) + 8) \\
&:= (99/9+9) \times (9+9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 401 &:= 1 + ((1+1) \times (11-1))^{1+1} \\
&:= 2/2 + (22-2)^2 \\
&:= 3 + (((33 \times (3 \times 3 + 3)) - 3/3) + 3) \\
&:= 4/4 + (444 - 44) \\
&:= 5/5 + 5 \times (5 \times 5 + 55) \\
&:= 6 + (6 \times 66 - 6/6) \\
&:= 7 + (7 \times (7 \times 7 + 7) + ((7+7)/7)) \\
&:= 8 \times 8 \times 8 - 888/8 \\
&:= (((9+9)/9)^9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 402 &:= 1 + 1 + ((1+1) \times (11-1))^{1+1} \\
&:= 2 + (22-2)^2 \\
&:= 3 + ((33 \times (3 \times 3 + 3)) + 3) \\
&:= 444 + ((4+4)/4 - 44) \\
&:= (5+5)/5 + 5 \times (5 \times 5 + 55) \\
&:= 6 + 6 \times 66 \\
&:= ((77-7)/7) + 7 \times (7 \times 7 + 7) \\
&:= 8 \times 8 \times 8 + ((8-888)/8) \\
&:= (((9+9)/9)^9) + ((9-999)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 403 &:= 1 + 1 + 1 + ((1 + 1) \times (11 - 1))^{1+1} \\
&:= 2 + (22 - 2)^2 + 2/2 \\
&:= 3 + (((33 \times (3 \times 3 + 3)) + 3/3) + 3) \\
&:= 4 + (4 \times 4^4 - (4/4 + 4)^4) \\
&:= 5 + ((5 - 5/5)^5 - (5^5 + 5)/5) \\
&:= 6 + (6 \times 66 + 6/6) \\
&:= 77/7 + 7 \times (7 \times 7 + 7) \\
&:= 8 + ((8 \times (8 \times 8 - (8 + 8))) + (88/8)) \\
&:= 9 \times 9 + ((9 + 9) \times (9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 404 &:= (1 + 1) \times ((1 + 1) \times (1 + (11 - 1)^{1+1})) \\
&:= 2 + (22 - 2)^2 + 2 \\
&:= 333 + (((3 + 3)^3 - 3)/3) \\
&:= 4 + (444 - 44) \\
&:= 5 + ((5 - 5/5)^5 - 5^5/5) \\
&:= 6 + (((6 + 6)/6) + 6 \times 66) \\
&:= 7 \times 77 - (((7 + 7)/7)^7 + 7) \\
&:= 8 + ((88 \times (8 \times 8 + 8))/(8 + 8)) \\
&:= (((9 + 9)/9)^9) - (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 405 &:= 11 \times 111/(1 + 1 + 1) - 1 - 1 \\
&:= 2 + (22 - 2)^2 + 2/2 + 2 \\
&:= 3^3 \times ((3 \times 3 + 3) + 3) \\
&:= (4/4 + 4) \times (4 - 4/4)^4 \\
&:= 5 + 5 \times (5 \times 5 + 55) \\
&:= 6 + (((6 \times 6)/(6 + 6)) + 6 \times 66) \\
&:= 7 + ((7 \times (7 \times 7 + 7) - 7/7) + 7) \\
&:= 8 \times 8 \times 8 - ((88/8 + 88) + 8) \\
&:= 9 \times (((9 + 9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 406 &:= 11 \times 111/(1 + 1 + 1) - 1 \\
&:= 2 + (22 - 2)^2 + 2 + 2 \\
&:= 3/3 + (3^3 \times ((3 \times 3 + 3) + 3)) \\
&:= 4 + (((4 + 4)/4 - 44) + 444) \\
&:= 5 + (5 \times (5 \times 5 + 55) + 5/5) \\
&:= 6 \times 66 + (66 - 6)/6 \\
&:= 7 + (7 \times (7 \times 7 + 7) + 7) \\
&:= (8 - 8/8) \times (((8 + 8)/8) - 8) + 8 \times 8 \\
&:= 9/9 + ((9 + 9) \times (9 + 9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 407 &:= 11 \times 111/(1 + 1 + 1) \\
&:= 2 + (22 - 2)^2 + 2/2 + 2 + 2 \\
&:= 33 \times 333/3^3 \\
&:= 4 + ((4 \times 4^4 - (4/4 + 4)^4) + 4) \\
&:= 55/5 \times (((5 + 5)/5)^5 + 5) \\
&:= 6 \times 66 + 66/6 \\
&:= 7 + ((7 \times (7 \times 7 + 7) + 7/7) + 7) \\
&:= 8888/8 - 8 \times 88 \\
&:= 9 \times 9 + ((9 + 9) \times (9 + 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 408 &:= 1 + 11 \times 111/(1 + 1 + 1) \\
&:= 2 \times (2 + 2) + (22 - 2)^2 \\
&:= 3 + (3^3 \times ((3 \times 3 + 3) + 3)) \\
&:= 4 + ((444 - 44) + 4) \\
&:= (5 \times 5 - 5/5) \times (((55 + 5)/5) + 5) \\
&:= 6 + (6 \times 66 + 6) \\
&:= (7/7 + 7) \times ((7 + 7)/7 + 7 \times 7) \\
&:= 8 \times 8 \times 8 - (88 + 8 + 8) \\
&:= (99 \times (9 + 9 + 9) + 999)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 409 &:= 1 + 1 + 11 \times 111/(1 + 1 + 1) \\
&:= 22/2 + (22 - 2)^2 - 2 \\
&:= 3 + ((3^3 \times ((3 \times 3 + 3) + 3)) + 3/3) \\
&:= 4 + ((4/4 + 4) \times (4 - 4/4)^4) \\
&:= 5 + (((5 - 5/5)^5 - 5^5/5) + 5) \\
&:= 6 + (((6 \times 66 + 6/6) + 6) + 6) \\
&:= 77 + (7 \times 7 \times 7 - (77/7)) \\
&:= 8 + (8 \times 8 \times 8 - 888/8) \\
&:= 9 + ((99/9 + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 410 &:= 11 + ((1 + 1) \times (11 - 1))^{1+1} - 1 \\
&:= 2 + (22 - 2)^2 + 2 \times (2 + 2) \\
&:= 3 + 33 \times 333/3^3 \\
&:= (((4 + 4)^4) + 4)/((44 - 4)/4) \\
&:= 5 + (5 \times (5 \times 5 + 55) + 5) \\
&:= 6 + (((6 + 6)/6) + 6 \times 66) + 6) \\
&:= 7 + (7 \times (7 \times 7 + 7) + (77/7)) \\
&:= 8 + (((8 - 888)/8) + 8 \times 8 \times 8) \\
&:= 9 + (((9 + 9)/9)^9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 411 &:= 11 + ((1 + 1) \times (11 - 1))^{1+1} \\
&:= 22/2 + (22 - 2)^2 \\
&:= 3 \times 3^3 + (333 - 3) \\
&:= 44 + (444/4 + 4^4) \\
&:= 55/5 + 5 \times (5 \times 5 + 55) \\
&:= 6 + (((6 \times 6)/(6 + 6)) + 6 \times 66) + 6) \\
&:= 7 \times 77 - ((7 + 7)/7)^7 \\
&:= 8 \times 8 \times 8 - (8888/88) \\
&:= (((9 + 9)/9)^9) - ((9 + 9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 412 &:= 1 + 11 + ((1 + 1) \times (11 - 1))^{1+1} \\
&:= 2 \times (222 - 2^{2+2}) \\
&:= 3/3 + ((3 \times 3^3 - 3) + 333) \\
&:= 444 - 4 \times (4 + 4) \\
&:= 5 + (55/5 \times (((5 + 5)/5)^5 + 5)) \\
&:= 6 + (((66 - 6)/6) + 6 \times 66) \\
&:= 77 + (7 \times 7 \times 7 - (7/7 + 7)) \\
&:= (888 - 8 \times 8)/(8 + 8)/8 \\
&:= (((9 + 9)/9)^9) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 413 &:= 1 + 1 + 11 + ((1 + 1) \times (11 - 1))^{1+1} \\
&:= 2 + (22 - 2)^2 + 22/2 \\
&:= 3 \times 3^3 + (333 - 3/3) \\
&:= 44 + ((4/4 + 4)^4 - 4^4) \\
&:= 5 \times (5 \times 5 - 5) + (5^5 + 5)/(5 + 5) \\
&:= 6 + (6 \times 66 + (66/6)) \\
&:= 77 + (7 \times 7 \times 7 - 7) \\
&:= 8 \times 8 \times 8 - (88/8 + 88) \\
&:= (((9 + 9)/9)^9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 414 &:= (1 + 1) \times (11 + (1 + 1 + 1 + 11)^{1+1}) \\
&:= 2 + 2 \times (222 - 2^{2+2}) \\
&:= 3 \times 3^3 + 333 \\
&:= 4 + ((4 + 4)^4 + 4)/((44 - 4)/4) \\
&:= (5 - 5/5)^5 - (555 + 55) \\
&:= 6 + ((6 \times 66 + 6) + 6) \\
&:= 7/7 + ((7 \times 7 \times 7 - 7) + 77) \\
&:= 8 \times 8 \times 8 + ((8 - 88)/8 - 88) \\
&:= 9 + ((9 + 9) \times (9 + 9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 415 &:= (1 + 1 + 11) \times (11 \times (1 + 1 + 1) - 1) - 1 \\
&:= 2 + (22 - 2)^2 + 22/2 + 2 \\
&:= 3/3 + (3 \times 3^3 + 333) \\
&:= 4^4 + (4 \times (44 - 4) - 4/4) \\
&:= 5 + ((5 \times (5 \times 5 + 55) + 5) + 5) \\
&:= 6 + (((6 \times 66 + 6/6) + 6) + 6) \\
&:= 7 + ((7/7 + 7) \times ((7 + 7)/7 + 7 \times 7)) \\
&:= 8 \times 8 \times 8 - ((8/8 + 88) + 8) \\
&:= 9 + (((9 + 9) \times (9 + 9) + 9 \times 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 416 &:= (1 + 1 + 11) \times (11 \times (1 + 1 + 1) - 1) \\
&:= 2^{2+2} + (22 - 2)^2 \\
&:= 3 + ((333 - 3/3) + 3 \times 3^3) \\
&:= 4^4 + (4 \times (44 - 4)) \\
&:= (55/5 + 5) \times (5 \times 5 + 5/5) \\
&:= 6 + (((6 + 6)/6) + 6 \times 66) + 6) + 6) \\
&:= ((77 \times 77 - 7)/(7 + 7)) - 7 \\
&:= 8 \times 8 \times 8 - (88 + 8) \\
&:= 9 \times 9 + ((9 + 9) \times (9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 417 &:= 11 \times (1 + 111/(1 + 1 + 1)) - 1 \\
&:= (22 - 2/2)^2 - 22 - 2 \\
&:= 3 + (3 \times 3^3 + 333) \\
&:= 4/4 + (4 \times (44 - 4) + 4^4) \\
&:= ((5^5 + 5^5) + 5)/(5 + 5 + 5) \\
&:= 6 \times 66 + ((6 \times 6 + 6)/((6 + 6)/6)) \\
&:= ((77 \times 77 + 7)/(7 + 7)) - 7 \\
&:= 8/8 + (8 \times 8 \times 8 - (88 + 8)) \\
&:= 9 + ((99 \times (9 + 9 + 9) + 999)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 418 &:= 11 \times (1 + 111 / (1 + 1 + 1)) \\
&:= 22 \times (22 - 2 / 2 - 2) \\
&:= 33 / 3 \times (33 / 3 + 3^3) \\
&:= 4^4 + (4 \times (44 - 4) + (4 + 4) / 4) \\
&:= 5 + ((5^5 + 5) / (5 + 5) + 5 \times (5 \times 5 - 5)) \\
&:= 6 \times 66 + ((66 + 66) / 6) \\
&:= 7 + (7 \times 77 - ((7 + 7) / 7)^7) \\
&:= 8 \times 8 \times 8 + (((8 + 8) / 8) - (88 + 8)) \\
&:= 9 + (((99 / 9 + 9)^{(9+9) / 9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 419 &:= 1 + 11 \times (1 + 111 / (1 + 1 + 1)) \\
&:= (22 - 2 / 2)^2 - 22 \\
&:= ((3^3 + 3) \times (33 / 3 + 3)) - 3 / 3 \\
&:= (44 \times 44 - (4^4 + 4)) / 4 \\
&:= 555 - (555 / 5 + 5 \times 5) \\
&:= 6 + ((6 \times 66 + (66 / 6)) + 6) \\
&:= 77 + (7 \times 7 \times 7 - 7 / 7) \\
&:= 8 + (8 \times 8 \times 8 - (8888 / 88)) \\
&:= (((9 \times 999) + 9) / (9 + 9)) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 420 &:= (1 + 1) \times (11 - 1) \times (11 + 11 - 1) \\
&:= 22 + (22 - 2)^2 - 2 \\
&:= (3^3 + 3) \times (33 / 3 + 3) \\
&:= 4 + (4 \times (44 - 4) + 4^4) \\
&:= (55 + 5) \times ((5 + 5) / 5 + 5) \\
&:= 6 \times (((6 + 6) / 6)^6 + 6) \\
&:= 77 + 7 \times 7 \times 7 \\
&:= 88 \times 88 / (8 + 8) - 8 \times 8 \\
&:= ((9 + 9) / 9) \times (999 / 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 421 &:= (1 + 1 + 1) \times (1 + 11)^{1+1} - 11 \\
&:= 2 + (((22 - 2 / 2)^2) - 22) \\
&:= (((3 + 3)^{3/3+3}) - 3) / 3 \\
&:= 4^4 + ((4 \times 44) - 44 / 4) \\
&:= 5 + ((55 / 5 + 5) \times (5 \times 5 + 5 / 5)) \\
&:= (6 \times (66 + 6)) - 66 / 6 \\
&:= 7 / 7 + (7 \times 7 \times 7 + 77) \\
&:= 8 + (8 \times 8 \times 8 - (88 / 8 + 88)) \\
&:= 9 + (((9 + 9) / 9)^9) - (9 / 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 422 &:= (1 + 1) \times (1 + 1) \times 111 - 11 \\
&:= 22 + (22 - 2)^2 \\
&:= 3^3 + ((33 \times (3 \times 3 + 3)) - 3 / 3) \\
&:= 444 - (44 / ((4 + 4) / 4)) \\
&:= 5 + (((5^5 + 5^5) + 5) / (5 + 5 + 5)) \\
&:= ((6 - 66) / 6) + (6 \times (66 + 6)) \\
&:= 77 + (7 \times 7 \times 7 + ((7 + 7) / 7)) \\
&:= 8 \times 8 \times 8 - ((8 + 8) / 8 + 88) \\
&:= 9 + (((9 + 9) / 9)^9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 423 &:= 1 + (1 + 1) \times ((1 + 1) \times 111 - 11) \\
&:= 22 + ((22 - 2)^2 + 2 / 2) \\
&:= 3 \times ((3 \times (33 + 3)) + 33) \\
&:= 444 - ((4 \times 4 + 4 / 4) + 4) \\
&:= 55 + ((5^5 + 5) / (5 + 5) + 55) \\
&:= 66 + (66 \times 66 / (6 + 6) - 6) \\
&:= (77 \times 77 - 7) / (7 + 7) \\
&:= 8 \times 8 \times 8 - (8 / 8 + 88) \\
&:= 99 + (9 + 9) \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 424 &:= (1 + 1) \times (1 + ((1 + 1) \times 111 - 11)) \\
&:= 2 + ((22 - 2)^2 + 22) \\
&:= 3 \times 3^3 + (((3 / 3 + 3) + 3)^3) \\
&:= 444 - (4 \times 4 + 4) \\
&:= (5 - 5 / 5) \times (555 / 5 - 5) \\
&:= 6 \times (66 - 6) + ((6 + 6) / 6)^6 \\
&:= (77 \times 77 + 7) / (7 + 7) \\
&:= 8 \times 8 \times 8 - 88 \\
&:= 9 / 9 + ((9 + 9) \times (9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 425 &:= 1 + (1 + 1) \times (1 + ((1 + 1) \times 111 - 11)) \\
&:= ((22 - 2 / 2)^2) - 2^{2+2} \\
&:= (((3 + 3) \times ((3 + 3)^3 - 3)) - 3) / 3 \\
&:= 4 / 4 + (444 - (4 \times 4 + 4)) \\
&:= 5 \times (5 \times 5 + 55 + 5) \\
&:= (6 \times (66 + 6)) - 6 / 6 - 6 \\
&:= 7 + ((7 \times 77 - ((7 + 7) / 7)^7) + 7) \\
&:= 8 / 8 + (8 \times 8 \times 8 - 88) \\
&:= 99 + ((9 + 9) \times (9 + 9) + ((9 + 9) / 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 426 &:= (1 + 1) \times (1 + 1) \times (1 + 111) - 11 \\
&:= (2 \times (222 + 2)) - 22 \\
&:= (3 + 3) \times (((3 + 3)^3 - 3) / 3) \\
&:= 444 - ((4 + 4) / 4 + 4 \times 4) \\
&:= 5 / 5 + (5 \times (5 \times 5 + 55 + 5)) \\
&:= (6 \times (66 + 6)) - 6 \\
&:= 7 + ((7 \times 7 \times 7 - 7 / 7) + 77) \\
&:= 8 \times 8 \times 8 + (((8 + 8) / 8) - 88) \\
&:= (9 + 9) \times (9 + 9) + (999 / 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 427 &:= 1 + (1 + 1) \times ((1 + 1) \times (1 + 111) - 11) \\
&:= 2 + (((22 - 2 / 2)^2) - 2^{2+2}) \\
&:= (((3 + 3) \times ((3 + 3)^3 - 3)) + 3) / 3 \\
&:= 444 - (4 \times 4 + 4 / 4) \\
&:= (5 + 5) / 5 + (5 \times (5 \times 5 + 55 + 5)) \\
&:= 6 / 6 + ((6 \times (66 + 6)) - 6) \\
&:= 7 + (7 \times 7 \times 7 + 77) \\
&:= 8 \times 8 \times 8 + (88 / 8 - (88 + 8)) \\
&:= (((9 \times 9 \times 99) - 9) / (9 + 9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 428 &:= (11 \times ((1 + 1 + 1) \times (1 + 1 + 11))) - 1 \\
&:= 2 \times (222 - 2 \times (2 + 2)) \\
&:= (((3 + 3)^{3/3+3}) - 3) / 3 - 3 \\
&:= 444 - 4 \times 4 \\
&:= (5 - 5 / 5) \times ((555 + 5) / 5 - 5) \\
&:= (6 + 6) / 6 + ((6 \times (66 + 6)) - 6) \\
&:= 7 \times 77 - 777 / 7 \\
&:= 888 / ((8 + 8) / 8) - 8 - 8 \\
&:= (((9 \times 9 \times 99) + 9) / (9 + 9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 429 &:= 11 \times ((1 + 1 + 1) \times (1 + 1 + 11)) \\
&:= (2 \times (222 - 2)) - 22 / 2 \\
&:= 33 + (33 \times (3 \times 3 + 3)) \\
&:= 4 / 4 + (444 - 4 \times 4) \\
&:= 555 - (5 \times 5 \times 5 + 5 / 5) \\
&:= 66 + 66 \times 66 / (6 + 6) \\
&:= 7 \times 77 + ((7 - 777) / 7) \\
&:= 8 \times (8 \times 8 - 8) - (88 / 8 + 8) \\
&:= (((9 + 9) / 9)^9) - (((9 + 9) / 9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 430 &:= ((11 + 11 - 1)^{1+1}) - 11 \\
&:= 2 + (2 \times (222 - 2 \times (2 + 2))) \\
&:= (3 - 3 / 3) \times ((3 + 3)^3 - 3 / 3) \\
&:= 4^4 + ((4 \times 44) - (4 + 4) / 4) \\
&:= 555 - 5 \times 5 \times 5 \\
&:= (6 \times (66 + 6)) - (6 + 6) / 6 \\
&:= 7 + ((77 \times 77 - 7) / (7 + 7)) \\
&:= 8 + (8 \times 8 \times 8 - ((8 + 8) / 8 + 88)) \\
&:= (((9 + 9) / 9)^9) - (9 / 9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 431 &:= ((1 + 1 + 1) \times (1 + 11)^{1+1}) - 1 \\
&:= 2 \times 222 - (22 / 2 + 2) \\
&:= (((3 + 3)^{3/3+3}) - 3) / 3 \\
&:= 4^4 + ((4 \times 44) - 4 / 4) \\
&:= 5 / 5 + (555 - 5 \times 5 \times 5) \\
&:= (6 \times (66 + 6)) - 6 / 6 \\
&:= 7 + ((77 \times 77 + 7) / (7 + 7)) \\
&:= 8 + (8 \times 8 \times 8 - (8 / 8 + 88)) \\
&:= (((9 + 9) / 9)^9) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 432 &:= (1 + 1 + 1) \times (1 + 11)^{1+1} \\
&:= 2 \times ((2 + 2 + 2)^{2/2+2}) \\
&:= 3 \times ((3 + 3) \times (3^3 - 3)) \\
&:= 4^4 + (4 \times 44) \\
&:= 5 \times 5 \times 5 + (5^5 - 55) / (5 + 5) \\
&:= 6 \times (66 + 6) \\
&:= ((7 + 7) / 7 + 7) \times (7 \times 7 - 7 / 7) \\
&:= 8 + (8 \times 8 \times 8 - 88) \\
&:= 9 + ((9 + 9) \times (9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 433 &:= 1 + ((1 + 1 + 1) \times (1 + 11))^{1+1} \\
&:= 2 \times 222 - 22/2 \\
&:= (((3 + 3)^{3/3+3}) + 3)/3 \\
&:= 444 - 44/4 \\
&:= 5 \times 5 \times 5 + ((5^5 + 5)/(5 + 5) - 5) \\
&:= 6/6 + (6 \times (66 + 6)) \\
&:= 777 - (7 \times 7 \times 7 + 7/7) \\
&:= 8 + ((8 \times 8 \times 8 - 88) + 8/8) \\
&:= 9 + (((9 + 9) \times (9 + 9) + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 434 &:= 1 + (1 + ((1 + 1 + 1) \times (1 + 11))^{1+1}) \\
&:= (2 \times (222 - (2 + 2))) - 2 \\
&:= 3 + (((3 + 3)^{3/3+3}) - 3)/3 \\
&:= 444 + (4 - 44)/4 \\
&:= 5 + (555 - (5 \times 5 \times 5 + 5/5)) \\
&:= (6 + 6)/6 + (6 \times (66 + 6)) \\
&:= 777 - 7 \times 7 \times 7 \\
&:= (8 - 8/8) \times (8 \times 8 - ((8 + 8)/8)) \\
&:= 99 + ((9 + 9) \times (9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 435 &:= (1 + 1 + 1) \times (1 + (1 + 11))^{1+1} \\
&:= 2 + (2 \times 222 - 22/2) \\
&:= 3 + (3 \times 33 + 333) \\
&:= 444 - ((4/4 + 4) + 4) \\
&:= 5 + (555 - 5 \times 5 \times 5) \\
&:= (6 \times (66 + 6)) + (6 \times 6/(6 + 6)) \\
&:= 7 + (7 \times 77 - 777/7) \\
&:= 8 \times 8 \times 8 + (88/8 - 88) \\
&:= (9 + 9) \times (9 + 9) + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 436 &:= (1 + 1) \times (1 + 1) \times (111 - 1 - 1) \\
&:= 2 \times (222 - (2 + 2)) \\
&:= 3 + (((3 + 3)^{3/3+3}) + 3)/3 \\
&:= 444 - 4 - 4 \\
&:= 5 + ((555 - 5 \times 5 \times 5) + 5/5) \\
&:= 6 + ((6 \times (66 + 6)) - ((6 + 6)/6)) \\
&:= 7 + (((7 - 777)/7) + 7 \times 77) \\
&:= 888/(8 + 8)/8 - 8 \\
&:= (((9 \times 9 \times 99) - 9)/(9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 437 &:= 1 + ((1 + 1) \times (1 + 1) \times (111 - 1 - 1)) \\
&:= ((22 - 2/2)^2) - 2 - 2 \\
&:= (((3 + 3) \times ((3 + 3)^3 + 3)) - 3)/3 \\
&:= 4 + (444 - 44/4) \\
&:= 5 \times 5 \times 5 + (5^5 - 5)/(5 + 5) \\
&:= 6 + ((6 \times (66 + 6)) - 6/6) \\
&:= 7 + (((77 \times 77 - 7)/(7 + 7)) + 7) \\
&:= 8 \times (8 \times 8 - 8) - 88/8 \\
&:= (((9 \times 9 \times 99) + 9)/(9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 438 &:= (1 + 1) \times ((1 + 1) \times (111 - 1) - 1) \\
&:= (2 \times (222 - 2)) - 2 \\
&:= (3 + 3) \times (((3 + 3)^3 + 3)/3) \\
&:= 444 - ((4 + 4)/4 + 4) \\
&:= 5 \times 5 \times 5 + (5^5 + 5)/(5 + 5) \\
&:= 6 + (6 \times (66 + 6)) \\
&:= 7 + (((77 \times 77 + 7)/(7 + 7)) + 7) \\
&:= (8 - 88)/8 + 8 \times (8 \times 8 - 8) \\
&:= 9 + (((9 + 9)/9)^9) - (((9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 439 &:= ((11 + 11 - 1)^{1+1}) - 1 - 1 \\
&:= ((22 - 2/2)^2) - 2 \\
&:= (((3 + 3) \times ((3 + 3)^3 + 3)) + 3)/3 \\
&:= 444 - (4/4 + 4) \\
&:= 555 - (555/5 + 5) \\
&:= 6 + ((6 \times (66 + 6)) + 6/6) \\
&:= 7 \times (7 \times 7 + 7 + 7) - (7 + 7)/7 \\
&:= 8 \times (8 \times 8 - 8) - (8/8 + 8) \\
&:= 9 + (((9 + 9)/9)^9) - (9/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 440 &:= (1 + 1) \times (1 + 1) \times (111 - 1) \\
&:= 2 \times (222 - 2) \\
&:= (3/3 + 3) \times ((333 - 3)/3) \\
&:= 444 - 4 \\
&:= (5 + 5) \times (55 - (55/5)) \\
&:= 6 + ((6 \times (66 + 6)) + ((6 + 6)/6)) \\
&:= 7 \times (7 \times 7 + 7 + 7) - 7/7 \\
&:= 8 \times (8 \times 8 - 8) - 8 \\
&:= 9 + (((9 + 9)/9)^9) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 441 &:= (11 + 11 - 1)^{1+1} \\
&:= (22 - 2/2)^2 \\
&:= 3 \times (((3 + 3) \times (3^3 - 3)) + 3) \\
&:= 4/4 + (444 - 4) \\
&:= ((55/5 + 5) + 5)^{(5+5)/5} \\
&:= 6 + ((6 \times (66 + 6)) + (6 \times 6/(6 + 6))) \\
&:= 7 \times (7 \times 7 + 7 + 7) \\
&:= 8/8 + (8 \times (8 \times 8 - 8) - 8) \\
&:= 9 \times ((9 \times 99 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 442 &:= 1 + ((11 + 11 - 1)^{1+1}) \\
&:= 2 \times 222 - 2 \\
&:= 3 \times 33 + (((3/3 + 3) + 3)^3) \\
&:= 444 - (4 + 4)/4 \\
&:= 5 + ((5^5 - 5)/(5 + 5) + 5 \times 5 \times 5) \\
&:= ((66 - 6)/6) + (6 \times (66 + 6)) \\
&:= 7/7 + 7 \times (7 \times 7 + 7 + 7) \\
&:= (8 + 8)/8 + (8 \times (8 \times 8 - 8) - 8) \\
&:= 9/9 + (9 \times ((9 \times 99 - 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 443 &:= ((1 + 1) \times (1 + 1) \times 111) - 1 \\
&:= 2 + ((22 - 2/2)^2) \\
&:= 333 + ((333 - 3)/3) \\
&:= 444 - 4/4 \\
&:= 555 - (555 + 5)/5 \\
&:= 66/6 + (6 \times (66 + 6)) \\
&:= ((7 + 7)/7) + 7 \times (7 \times 7 + 7 + 7) \\
&:= 888/((8 + 8)/8) - 8/8 \\
&:= 9 + (((9 + 9) \times (9 + 9) + (99/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 444 &:= (1 + 1) \times (1 + 1) \times 111 \\
&:= 2 \times 222 \\
&:= 333 + 333/3 \\
&:= 444 \\
&:= (5 - 5/5) \times 555/5 \\
&:= 6 + ((6 \times (66 + 6)) + 6) \\
&:= (77/7 - 7) \times 777/7 \\
&:= 888/((8 + 8)/8) \\
&:= (999 \times (9 - 9/9))/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 445 &:= 1 + ((1 + 1) \times (1 + 1) \times 111) \\
&:= 2/2 + 2 \times 222 \\
&:= 333 + ((333 + 3)/3) \\
&:= 4/4 + 444 \\
&:= 555 - (55 + 55) \\
&:= 6 + (((6 \times (66 + 6)) + 6/6) + 6) \\
&:= 77/7 + (777 - 7 \times 7 \times 7) \\
&:= 8 + (8 \times (8 \times 8 - 8) - (88/8)) \\
&:= ((9 \times 9 \times 99) - 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 446 &:= (1 + 1) \times (1 + (1 + 1) \times 111) \\
&:= 2 + 2 \times 222 \\
&:= ((3 \times (33 \times 3^3)) + 3)/(3 + 3) \\
&:= 444 + (4 + 4)/4 \\
&:= 5 + (((55/5 + 5) + 5)^{(5+5)/5}) \\
&:= 6 + (((6 \times (66 + 6)) + ((6 + 6)/6)) + 6) \\
&:= 7 + (7 \times (7 \times 7 + 7 + 7) - ((7 + 7)/7)) \\
&:= 8 \times (8 \times 8 - 8) - (8 + 8)/8 \\
&:= ((9 \times 9 \times 99) + 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 447 &:= 1 + ((1 + 1) \times (1 + (1 + 1) \times 111)) \\
&:= 2 + (2 \times 222 + 2/2) \\
&:= 3 + (333/3 + 333) \\
&:= 4 + (444 - 4/4) \\
&:= ((5^5 - 5/5) + 5)/(5 + 5) + 5 + 5 \\
&:= ((6/6 + 6) \times ((6 + 6)/6)^6) - 6/6 \\
&:= 7 + (7 \times (7 \times 7 + 7 + 7) - 7/7) \\
&:= 8 \times (8 \times 8 - 8) - 8/8 \\
&:= 9/9 + (((9 \times 9 \times 99) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 448 &:= (1+1) \times (1+1) \times (1+111) \\
&:= 2 \times (222+2) \\
&:= (3/3+3) \times ((333+3)/3) \\
&:= 4+444 \\
&:= (5-5/5) \times (555+5)/5 \\
&:= (6/6+6) \times ((6+6)/6)^6 \\
&:= 7+7 \times (7 \times 7+7+7) \\
&:= 8 \times (8 \times 8-8) \\
&:= (9-9/9) \times ((999+9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 449 &:= 1 + ((1+1) \times (1+1) \times (1+111)) \\
&:= 2/2 + (2 \times (222+2)) \\
&:= 3 + (((3 \times (33 \times 3^3)) + 3)/(3+3)) \\
&:= 4 + (444+4/4) \\
&:= 5 + ((5-5/5) \times 555/5) \\
&:= 6 + ((6 \times (66+6)) + (66/6)) \\
&:= 7 + (7 \times (7 \times 7+7+7) + 7/7) \\
&:= 8/8 + 8 \times (8 \times 8-8) \\
&:= 9 + (((((9+9)/9)^9) - 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 450 &:= (1+1) \times (1+(1+1) \times (1+111)) \\
&:= 2 + (2 \times (222+2)) \\
&:= (3+3) \times ((3 \times (3^3-3)) + 3) \\
&:= 4 + (444 + (4+4)/4) \\
&:= (5+5) \times (55-5-5) \\
&:= 666 - 6 \times 6 \times 6 \\
&:= (7-7/7) \times (77 - (7+7)/7) \\
&:= (8+8)/8 + 8 \times (8 \times 8-8) \\
&:= 9 \times ((9 \times 99+9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 451 &:= 1 + ((1+1) \times (1+(1+1) \times (1+111))) \\
&:= 2 + ((2 \times (222+2)) + 2/2) \\
&:= 3 + ((3/3+3) \times ((333+3)/3)) \\
&:= 4 + ((444-4/4) + 4) \\
&:= 5/5 + ((5+5) \times (55-5-5)) \\
&:= 66 + (6 \times 66 - (66/6)) \\
&:= 77/7 \times (7 \times 7 - (7/7+7)) \\
&:= 88/8 + (8 \times (8 \times 8-8) - 8) \\
&:= ((9 \times 9 \times 99) + 99)/(9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 452 &:= 11 + ((11+11-1)^{1+1}) \\
&:= 2 \times ((222+2) + 2) \\
&:= (3/3+3) \times (((333-3)/3) + 3) \\
&:= 4 + (444+4) \\
&:= (5+5)/5 + ((5+5) \times (55-5-5)) \\
&:= 66 + (((6-66)/6) + 6 \times 66) \\
&:= 77/7 + 7 \times (7 \times 7+7+7) \\
&:= 8 + 888/((8+8)/8) \\
&:= 9/9 + (((9 \times 9 \times 99) + 99)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 453 &:= 1 + (11 + ((11+11-1)^{1+1})) \\
&:= 2/2 + (2 \times ((222+2) + 2)) \\
&:= (3 \times (3+3) \times 3^3) - 33 \\
&:= 4 + ((444+4/4) + 4) \\
&:= 5 + ((5-5/5) \times (555+5)/5) \\
&:= 6 + (((6/6+6) \times ((6+6)/6)^6) - 6/6) \\
&:= 7 \times 7 \times 7 + (777-7)/7 \\
&:= 8 + ((8 \times (8 \times 8-8) - (88/8)) + 8) \\
&:= 9 + ((999 \times (9-9/9))/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 454 &:= 11 + (((1+1) \times (1+1) \times 111) - 1) \\
&:= 2 + (2 \times ((222+2) + 2)) \\
&:= 3/3 + ((3 \times (3+3) \times 3^3) - 33) \\
&:= 444 + (44-4)/4 \\
&:= 5 + (((5-5/5) \times 555/5) + 5) \\
&:= 6 + ((6/6+6) \times ((6+6)/6)^6) \\
&:= 7 \times 7 \times 7 + 777/7 \\
&:= 8 + (8 \times (8 \times 8-8) - ((8+8)/8)) \\
&:= 9 + (((9 \times 9 \times 99) - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 455 &:= 11 + ((1+1) \times (1+1) \times 111) \\
&:= 22/2 + 2 \times 222 \\
&:= (3+3)^3 + (((3^{3+3} - 3)/3) - 3) \\
&:= 444 + 44/4 \\
&:= 5 + ((5+5) \times (55-5-5)) \\
&:= (6/6+6) \times (66-6/6) \\
&:= 7 \times 77 - (77+7) \\
&:= 8 + (8 \times (8 \times 8-8) - 8/8) \\
&:= 9 + (((9 \times 9 \times 99) + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 456 &:= 1 + (11 + ((1+1) \times (1+1) \times 111)) \\
&:= 2 \times (((222+2) + 2) + 2) \\
&:= 3 + ((3 \times (3+3) \times 3^3) - 33) \\
&:= 4 + (444+4+4) \\
&:= 5 + (((5+5) \times (55-5-5)) + 5/5) \\
&:= 66 + (6 \times 66 - 6) \\
&:= (7-7/7) \times (77-7/7) \\
&:= 8+8 \times (8 \times 8-8) \\
&:= (9 \times (9 \times 9 - (9+9))) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 457 &:= 11 + ((1+1) \times (1+(1+1) \times 111)) \\
&:= 2 + (2 \times 222 + 22/2) \\
&:= (3+3)^3 + (((3^{3+3} + 3)/3) - 3) \\
&:= 4 + (((444+4/4) + 4) + 4) \\
&:= (((5+5)/5)^{5-5/5+5}) - 55 \\
&:= 66 + ((6 \times 66 - 6) + 6/6) \\
&:= 7 + ((7-7/7) \times (77 - (7+7)/7)) \\
&:= 8 + (8 \times (8 \times 8-8) + 8/8) \\
&:= ((9999+9)/(9+9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 458 &:= 1 + (11 + ((1+1) \times (1+(1+1) \times 111))) \\
&:= 22^2 - (22+2+2) \\
&:= (3+3)^3 + ((3^{3+3} - 3)/3) \\
&:= 4 + ((44-4)/4 + 444) \\
&:= (5 \times 5 \times 5 \times 55 - 5)/(5+5+5) \\
&:= 66 + (((6+6)/6 - 6) + 6 \times 66) \\
&:= 7 + (77/7 \times (7 \times 7 - (7/7+7))) \\
&:= 8 + (8 \times (8 \times 8-8) + ((8+8)/8)) \\
&:= 9 + ((((((9+9)/9)^9) - 9 \times 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 459 &:= 11 + ((1+1) \times (1+1) \times (1+111)) \\
&:= 22/2 + (2 \times (222+2)) \\
&:= 3 \times (3 \times ((3^3-3) + 3^3)) \\
&:= 4 + (444 + 44/4) \\
&:= (5^5 - 555)/5 - 55 \\
&:= 66 + (6 \times 66 - (6 \times 6/(6+6))) \\
&:= 7 + (7 \times (7 \times 7+7+7) + (77/7)) \\
&:= 88/8 + 8 \times (8 \times 8-8) \\
&:= (9+9+9) \times ((9-9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 460 &:= (1+1) \times ((11-1) \times (1+11+11)) \\
&:= 22^2 - (22+2) \\
&:= (3+3)^3 + ((3^{3+3} + 3)/3) \\
&:= 4 \times 4 + 444 \\
&:= 5 + (((5+5) \times (55-5-5)) + 5) \\
&:= 6 \times 66 + ((6+6)/6)^6 \\
&:= 7 \times 77 - ((7+7)/7 + 77) \\
&:= 8 + (888/((8+8)/8) + 8) \\
&:= (9 \times (99+9)) - (((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 461 &:= ((1+1) \times (11 \times (11+11-1))) - 1 \\
&:= 22^2 - (22+2/2) \\
&:= (33 \times (33/3+3)) - 3/3 \\
&:= 4 \times 4 + (444+4/4) \\
&:= 55/5 + ((5+5) \times (55-5-5)) \\
&:= 66 + (6 \times 66 - 6/6) \\
&:= 7 \times 77 - (7/7+77) \\
&:= 8 \times (8 \times 8-8) + (88+8+8)/8 \\
&:= 9/9 + ((9 \times (99+9)) - (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 462 &:= (1+1) \times (11 \times (11+11-1)) \\
&:= 22^2 - 22 \\
&:= 33 \times (33/3+3) \\
&:= 4 \times 4 + (444 + (4+4)/4) \\
&:= 55/5 \times (((5+5)/5)^5 + 5) + 5 \\
&:= 66 + 6 \times 66 \\
&:= 77 \times (7-7/7) \\
&:= (8-8/8) \times (((8+8)/8) + 8 \times 8) \\
&:= 99 + ((99 \times 99)/(9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 463 &:= 1 + ((1 + 1) \times (11 \times (11 + 11 - 1))) \\
&:= 22 + ((22 - 2/2)^2) \\
&:= 3/3 + (33 \times (33/3 + 3)) \\
&:= 4 + ((444 + 44/4) + 4) \\
&:= 5 \times (5 \times 5 + 5) + (5^5 + 5)/(5 + 5) \\
&:= 66 + (6 \times 66 + 6/6) \\
&:= 7/7 + (77 \times (7 - 7/7)) \\
&:= 8 + ((8 \times (8 \times 8 - 8) - 8/8) + 8) \\
&:= 9 + (((9 \times 9 \times 99) - 9)/(9 + 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 464 &:= (1 + 1) \times (111 + 11^{1+1}) \\
&:= 2 + (22^2 - 22) \\
&:= 3 + ((33 \times (33/3 + 3)) - 3/3) \\
&:= 4 + (444 + 4 \times 4) \\
&:= (5 - 5/5) \times (555/5 + 5) \\
&:= 66 + (((6 + 6)/6) + 6 \times 66) \\
&:= 7 \times 77 + ((7 + 7)/7 - 77) \\
&:= 8 + (8 \times (8 \times 8 - 8) + 8) \\
&:= 9 + (((9 \times 9 \times 99) + 9)/(9 + 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 465 &:= 1 + ((1 + 1) \times (111 + 11^{1+1})) \\
&:= 2 + ((22^2 - 22) + 2/2) \\
&:= 3 + (33 \times (33/3 + 3)) \\
&:= 4 + ((444 + 4 \times 4) + 4/4) \\
&:= 5 \times (5 \times 5 \times 5 - ((5 + 5)/5)^5) \\
&:= 66 + ((6 \times 6/(6 + 6)) + 6 \times 66) \\
&:= 77 + (((7 \times 777) - 7)/(7 + 7)) \\
&:= 8 + ((8 \times (8 \times 8 - 8) + 8/8) + 8) \\
&:= 9 + ((9 \times (9 \times 9 - (9 + 9))) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 466 &:= (1 + 1) \times (11 + (1 + 1) \times 111) \\
&:= 22 + 2 \times 222 \\
&:= 3 + ((33 \times (33/3 + 3)) + 3/3) \\
&:= 444 + (44/((4 + 4)/4)) \\
&:= (5^5 + 5)/5 - (5 \times ((5 + 5)/5)^5) \\
&:= 6 + (((6 + 6)/6)^6 + 6 \times 66) \\
&:= 77 + (((7 \times 777) + 7)/(7 + 7)) \\
&:= 8 + ((8 \times (8 \times 8 - 8) + ((8 + 8)/8)) + 8) \\
&:= ((9 + 9) \times (9 + 9 + 9)) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 467 &:= 1 + ((1 + 1) \times (11 + (1 + 1) \times 111)) \\
&:= 22 + (2 \times 222 + 2/2) \\
&:= ((3 + 3) \times (3 \times 3^3 - 3)) - 3/3 \\
&:= 4^4 + (4^4 - (44 + 4/4)) \\
&:= 5 + ((5^5 - 5)/(5 + 5) + 5 \times (5 \times 5 + 5)) \\
&:= (6 \times (66 + 6 + 6)) - 6/6 \\
&:= 7 + (7 \times 77 - ((7 + 7)/7 + 77)) \\
&:= 8 + (8 \times (8 \times 8 - 8) + (88/8)) \\
&:= (((9 + 9)/9)^9) - (((9 + 9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 468 &:= (1 + 1) \times (1 + (11 + (1 + 1) \times 111)) \\
&:= 22^2 - 2^{2+2} \\
&:= (3 + 3) \times (3 \times 3^3 - 3) \\
&:= 4^4 + (4^4 - 44) \\
&:= (5 - 5/5) \times ((555 + 5)/5 + 5) \\
&:= 6 \times (66 + 6 + 6) \\
&:= (7 - 7/7) \times (7/7 + 77) \\
&:= 8 \times 8 \times 8 - (88/((8 + 8)/8)) \\
&:= (9 + 9) \times (((9 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 469 &:= 1 + ((1 + 1) \times (1 + (11 + (1 + 1) \times 111))) \\
&:= 2/2 + (22^2 - 2^{2+2}) \\
&:= 3/3 + ((3 + 3) \times (3 \times 3^3 - 3)) \\
&:= 4/4 + ((4^4 - 44) + 4^4) \\
&:= (5 - 5/5)^5 - 555 \\
&:= 6/6 + (6 \times (66 + 6 + 6)) \\
&:= 7 + (77 \times (7 - 7/7)) \\
&:= (8 - 8/8) \times ((88/8 - 8) + 8 \times 8) \\
&:= 9 + ((9 \times (99 + 9)) - (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 470 &:= (1 + 1) \times (11 + (1 + 1) \times (1 + 111)) \\
&:= 2 + (22^2 - 2^{2+2}) \\
&:= 3 + (((3 + 3) \times (3 \times 3^3 - 3)) - 3/3) \\
&:= 4 + ((44/((4 + 4)/4)) + 444) \\
&:= (5 \times (5 \times (5 \times 5 - 5) - 5)) - 5 \\
&:= (6 + 6)/6 + (6 \times (66 + 6 + 6)) \\
&:= 7 + ((77 \times (7 - 7/7)) + 7/7) \\
&:= 8 + ((8 - 8/8) \times (((8 + 8)/8) + 8 \times 8)) \\
&:= (9 + 9)/9 + ((9 + 9) \times (((9 - 9/9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 471 &:= (11 + 11)^{1+1} - (1 + 1 + 11) \\
&:= 22^2 - (22/2 + 2) \\
&:= 3 + ((3 + 3) \times (3 \times 3^3 - 3)) \\
&:= 4 \times 4 + (444 + 44/4) \\
&:= 5/5 + ((5 \times (5 \times (5 \times 5 - 5) - 5)) - 5) \\
&:= 6 \times (66 - 6) + 666/6 \\
&:= 7 \times 7 \times 7 + ((7 + 7)/7)^7 \\
&:= 8 + (((8 \times (8 \times 8 - 8) - 8/8) + 8) + 8) \\
&:= 9 + (((99 \times 99)/(9 + 9 + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 472 &:= (11 + 11)^{1+1} - 1 - 11 \\
&:= 22^2 - (2 \times (2 + 2 + 2)) \\
&:= 3 + (((3 + 3) \times (3 \times 3^3 - 3)) + 3/3) \\
&:= 4 + ((4^4 - 44) + 4^4) \\
&:= 55 + (((5^5 + 5^5) + 5)/(5 + 5 + 5)) \\
&:= 6 + (((6 + 6)/6)^6 + 6 \times 66) + 6 \\
&:= 7 \times (77 - 7) - (77/7 + 7) \\
&:= 8 + ((8 \times (8 \times 8 - 8) + 8) + 8) \\
&:= 9 + (((9 \times 9 \times 99) - 9)/(9 + 9)) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 473 &:= (11 + 11)^{1+1} - 11 \\
&:= 22^2 - 22/2 \\
&:= 33/3 + (33 \times (33/3 + 3)) \\
&:= 44/4 \times (44 - 4/4) \\
&:= 55/5 \times (55 - ((55 + 5)/5)) \\
&:= 6 + ((6 \times (66 + 6 + 6)) - 6/6) \\
&:= 7 \times 77 + (77/7 - 77) \\
&:= 8 + (((8 \times (8 \times 8 - 8) + 8/8) + 8) + 8) \\
&:= 9 \times 9 \times 9 - (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 474 &:= 1 + ((11 + 11)^{1+1} - 11) \\
&:= 22^2 + ((2 - 22)/2) \\
&:= (3 \times ((3 + 3) \times 3^3 - 3)) - 3 \\
&:= ((44 \times (44 - 4/4)) + 4)/4 \\
&:= 5 + ((5 - 5/5)^5 - 555) \\
&:= 6 + (6 \times (66 + 6 + 6)) \\
&:= (7 - 7/7) \times ((7 + 7)/7 + 77) \\
&:= (8 - (8 + 8)/8) \times (88 - (8/8 + 8)) \\
&:= ((9 + 9) \times (9 + 9 + 9)) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 475 &:= 1 + (1 + ((11 + 11)^{1+1} - 11)) \\
&:= 2 + (22^2 - 22/2) \\
&:= (3 \times (3 + 3) \times 3^3) - 33/3 \\
&:= 444 + (4 \times (4 + 4) - 4/4) \\
&:= 5 \times (5 \times (5 \times 5 - 5) - 5) \\
&:= 6 + ((6 \times (66 + 6 + 6)) + 6/6) \\
&:= 7 + ((7 - 7/7) \times (7/7 + 77)) \\
&:= 8 + ((8 \times (8 \times 8 - 8) + (88/8)) + 8) \\
&:= ((9 + 9) \times (9 + 9 + 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 476 &:= (1 + 1) \times ((1 + 1) \times (11^{1+1} - (1 + 1))) \\
&:= 22^2 - 2 \times (2 + 2) \\
&:= (33/3 + 3) \times (3/3 + 33) \\
&:= 444 + 4 \times (4 + 4) \\
&:= 5/5 + (5 \times (5 \times (5 \times 5 - 5) - 5)) \\
&:= (6/6 + 6) \times (((6 + 6)/6) + 66) \\
&:= 7 \times (77 - 7) - (7 + 7) \\
&:= 88 \times 88/(8 + 8) - 8 \\
&:= (((9 + 9)/9)^9) - ((9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 477 &:= 1 + ((1 + 1) \times ((1 + 1) \times (11^{1+1} - (1 + 1)))) \\
&:= 2 + ((22^2 - 22/2) + 2) \\
&:= 3 \times ((3 + 3) \times 3^3 - 3) \\
&:= 4 + (44/4 \times (44 - 4/4)) \\
&:= (5 + 5)/5 + (5 \times (5 \times (5 \times 5 - 5) - 5)) \\
&:= 6 + (6 \times (66 - 6) + 666/6) \\
&:= 7/7 + (7 \times (77 - 7) - (7 + 7)) \\
&:= (8/8 + 8) \times (8 \times 8 - 88/8) \\
&:= ((9 + 9) \times (9 + 9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 478 &:= (1+1) \times ((1+1) \times (11^{1+1} - 1) - 1) \\
&:= 22^2 - (2+2+2) \\
&:= 3/3 + (3 \times ((3+3) \times 3^3 - 3)) \\
&:= 4^4 + (444/((4+4)/4)) \\
&:= 5 + (55/5 \times (55 - ((55+5)/5))) \\
&:= ((66-6)/6) + (6 \times (66+6+6)) \\
&:= 7 + (((7+7)/7)^7 + 7 \times 7 \times 7) \\
&:= (88 \times 88 - (88+8))/(8+8) \\
&:= 9/9 + (((9+9) \times (9+9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 479 &:= ((1+1) \times (1+1) \times (11^{1+1} - 1)) - 1 \\
&:= 22^2 - (2/2 + 2 + 2) \\
&:= ((3-3/3)^{3 \times 3}) - 33 \\
&:= ((44 \times 44 - 4)/4) - 4 \\
&:= 5 + (((5-5/5)^5 - 555) + 5) \\
&:= 66/6 + (6 \times (66+6+6)) \\
&:= 7 \times (77-7) - 77/7 \\
&:= 8 \times 8 \times 8 - ((8/8+8+8+8) + 8) \\
&:= (9+9)/9 + (((9+9) \times (9+9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 480 &:= (1+1) \times (1+1) \times (11^{1+1} - 1) \\
&:= 22^2 - 2 - 2 \\
&:= 3 + (3 \times ((3+3) \times 3^3 - 3)) \\
&:= (4+4) \times (4 \times 4 + 44) \\
&:= 5 + (5 \times (5 \times (5 \times 5 - 5) - 5)) \\
&:= 6 + ((6 \times (66+6+6)) + 6) \\
&:= (7/7 + 7) \times (77/7 + 7 \times 7) \\
&:= 8 \times (8 \times 8 - (8/((8+8)/8))) \\
&:= (9/9 - 9 \times 9) \times (((9+9+9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 481 &:= (11+11)^{1+1} - 1 - 1 - 1 \\
&:= 22^2 - 2/2 - 2 \\
&:= 3 + ((3 \times ((3+3) \times 3^3 - 3)) + 3/3) \\
&:= ((44 \times 44 + 4)/4) - 4 \\
&:= (5555 - 5^5)/5 - 5 \\
&:= (6/6 + 6 + 6) \times (6 \times 6 + 6/6) \\
&:= 7 \times (77-7) - ((7+7)/7 + 7) \\
&:= 8/8 + (8 \times (8 \times 8 - (8/((8+8)/8)))) \\
&:= 9 \times 9 + ((99/9 + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 482 &:= (11+11)^{1+1} - 1 - 1 \\
&:= 22^2 - 2 \\
&:= 3 + (((3-3/3)^{3 \times 3}) - 33) \\
&:= (44 \times 44 - (4+4))/4 \\
&:= ((5555 - 5^5 + 5)/5) - 5 \\
&:= 6 + ((6/6 + 6) \times (((6+6)/6) + 66)) \\
&:= 7 \times (77-7) - (7/7 + 7) \\
&:= 8 \times 8 \times 8 - ((88+88)/8 + 8) \\
&:= ((9 \times ((9 \times (99+9)) - 9)) + 9)/(9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 483 &:= (11+11)^{1+1} - 1 \\
&:= 22^2 - 2/2 \\
&:= (3 \times (3+3) \times 3^3) - 3 \\
&:= (44 \times 44 - 4)/4 \\
&:= 5 \times 55 + ((5^5 - 5)/(5+5+5)) \\
&:= (6/6 + 6) \times (6 \times 6/(6+6) + 66) \\
&:= 7 \times (77-7) - 7 \\
&:= 88 \times 88/(8+8) - 8/8 \\
&:= ((9+9+9)/9) \times (9 \times (9+9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 484 &:= (11+11)^{1+1} \\
&:= 22^2 \\
&:= 3/3 + ((3 \times (3+3) \times 3^3) - 3) \\
&:= 44 \times 44/4 \\
&:= 55/5 \times (55 - (55/5)) \\
&:= ((66+66)/6)^{(6+6)/6} \\
&:= 7/7 + (7 \times (77-7) - 7) \\
&:= 88 \times 88/(8+8) \\
&:= ((99+99)/9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 485 &:= 1 + (11+11)^{1+1} \\
&:= 2/2 + 22^2 \\
&:= ((3-3/3)^{3 \times 3}) - 3^3 \\
&:= (44 \times 44 + 4)/4 \\
&:= 5 + ((5 \times (5 \times (5 \times 5 - 5) - 5)) + 5) \\
&:= 6 + ((6 \times (66+6+6)) + (66/6)) \\
&:= ((7+7)/7) + (7 \times (77-7) - 7) \\
&:= 8/8 + 88 \times 88/(8+8) \\
&:= (((9+9)/9)^9) - (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 486 &:= 1 + (1 + (11+11)^{1+1}) \\
&:= 2 + 22^2 \\
&:= 3 \times (3+3) \times 3^3 \\
&:= ((44 \times 44 + 4) + 4)/4 \\
&:= (5555 - 5^5)/5 \\
&:= 666 + (6 \times (6 - 6 \times 6)) \\
&:= 7 + (7 \times (77-7) - (77/7)) \\
&:= 8 \times 8 \times 8 + ((8-88)/8 - (8+8)) \\
&:= (9+9) \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 487 &:= 1 + (1 + (1 + (11+11)^{1+1})) \\
&:= 2 + 22^2 + 2/2 \\
&:= 3/3 + (3 \times (3+3) \times 3^3) \\
&:= 4 + ((44 \times 44 - 4)/4) \\
&:= (5555 - 5^5 + 5)/5 \\
&:= 6 + ((6/6 + 6 + 6) \times (6 \times 6 + 6/6)) \\
&:= 7 \times (77-7) - (7+7+7)/7 \\
&:= 8 \times 8 \times 8 - (8/8 + 8 + 8 + 8) \\
&:= 9/9 + ((9+9) \times (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 488 &:= (1+1) \times ((1+1) \times (1+11^{1+1})) \\
&:= 2 + 22^2 + 2 \\
&:= 3 + (((3-3/3)^{3 \times 3}) - 3^3) \\
&:= 44 + 444 \\
&:= (5-5/5) \times ((555+55)/5) \\
&:= ((6+6)/6 + 6) \times ((66-6) + 6/6) \\
&:= 7 \times (77-7) - (7+7)/7 \\
&:= 8 \times 8 \times 8 - 8 - 8 - 8 \\
&:= (9+9)/9 + ((9+9) \times (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 489 &:= 1 + ((1+1) \times ((1+1) \times (1+11^{1+1}))) \\
&:= 2 + 22^2 + 2/2 + 2 \\
&:= 3 + (3 \times (3+3) \times 3^3) \\
&:= 4 + ((44 \times 44 + 4)/4) \\
&:= 555 - (55/5 + 55) \\
&:= 666 - (666/6 + 66) \\
&:= 7 \times (77-7) - 7/7 \\
&:= 8/8 + (8 \times 8 \times 8 - (8+8+8)) \\
&:= ((9+9+9)/9) + ((9+9) \times (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 490 &:= (1+1) \times (1 + ((1+1) \times (1+11^{1+1}))) \\
&:= 2 + 22^2 + 2 + 2 \\
&:= 3 + ((3 \times (3+3) \times 3^3) + 3/3) \\
&:= 4 + (((44 \times 44 + 4) + 4)/4) \\
&:= (5+5) \times (55 - (5/5 + 5)) \\
&:= (6/6 + 6) \times (((6+6)/6)^6 + 6) \\
&:= 7 \times (77-7) \\
&:= 8 \times 8 \times 8 - (88+88)/8 \\
&:= (((9 \times 999) - 9)/(9+9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 491 &:= 1 + ((1+1) \times (1 + ((1+1) \times (1+11^{1+1})))) \\
&:= 2 + 22^2 + 2/2 + 2 + 2 \\
&:= 3 + (((((3-3/3)^{3 \times 3}) - 3^3) + 3)) \\
&:= 4 + (((44 \times 44 - 4)/4) + 4) \\
&:= 5 + (5555 - 5^5)/5 \\
&:= 6 \times 6 + ((6/6 + 6) \times (66 - 6/6)) \\
&:= 7/7 + 7 \times (77-7) \\
&:= 8 + (88 \times 88/(8+8) - 8/8) \\
&:= (((9 \times 999) + 9)/(9+9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 492 &:= (1+1) \times ((1+1) \times (1 + (1+11^{1+1}))) \\
&:= 2 \times (2+2) + 22^2 \\
&:= 3 + ((3 \times (3+3) \times 3^3) + 3) \\
&:= 4 + (444 + 44) \\
&:= 5 + ((5555 - 5^5 + 5)/5) \\
&:= 66 + ((6 \times (66+6)) - 6) \\
&:= ((7+7)/7) + 7 \times (77-7) \\
&:= 8 + 88 \times 88/(8+8) \\
&:= (((9+9)/9)^9) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 493 &:= 11 + ((11 + 11)^{1+1} - (1 + 1)) \\
&:= 22/2 + (22^2 - 2) \\
&:= 3 + (((3 \times (3 + 3) \times 3^3) + 3/3) + 3) \\
&:= 4 + (((44 \times 44 + 4)/4) + 4) \\
&:= 555 + ((5 - 5^5/5)/(5 + 5)) \\
&:= ((6 + 6) \times (6 \times 6 + 6)) - 66/6 \\
&:= 7 \times (77 - 7) + (7 + 7 + 7)/7 \\
&:= 8 \times 8 \times 8 - (88/8 + 8) \\
&:= (((9 + 9)/9)^9) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 494 &:= 11 + ((11 + 11)^{1+1} - 1) \\
&:= 2 + 2 \times (2 + 2) + 22^2 \\
&:= ((3 - 3/3)^{3 \times 3}) - (3 \times (3 + 3)) \\
&:= ((44 \times 44 - 4) + 44)/4 \\
&:= 555 - ((55 + 5/5) + 5) \\
&:= ((6 - 66)/6) + ((6 + 6) \times (6 \times 6 + 6)) \\
&:= 77/7 + (7 \times (77 - 7) - 7) \\
&:= 8 \times 8 \times 8 + ((8 - 88)/8 - 8) \\
&:= (((9 + 9)/9)^9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 495 &:= 11 + (11 + 11)^{1+1} \\
&:= 22/2 + 22^2 \\
&:= 3 \times ((3 + 3) \times 3^3 + 3) \\
&:= 44/4 \times (44 + 4/4) \\
&:= 55 \times (5 - 5/5 + 5) \\
&:= 6 \times 66 + (666/6 - (6 + 6)) \\
&:= 7 + (7 \times (77 - 7) - ((7 + 7)/7)) \\
&:= 8 \times 8 \times 8 - (8/8 + 8 + 8) \\
&:= 9 + ((9 + 9) \times (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 496 &:= 1 + (11 + (11 + 11)^{1+1}) \\
&:= 22^2 + (2 \times (2 + 2 + 2)) \\
&:= 3/3 + (3 \times ((3 + 3) \times 3^3 + 3)) \\
&:= 4 \times (4 \times 4 \times (4 + 4) - 4) \\
&:= 5/5 + (55 \times (5 - 5/5 + 5)) \\
&:= ((6 + 6)/6)^6 + (6 \times (66 + 6)) \\
&:= 7 + (7 \times (77 - 7) - 7/7) \\
&:= 8 \times 8 \times 8 - 8 - 8 \\
&:= 9 + (((9 + 9) \times (9 + 9 + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 497 &:= 1 + (1 + (11 + (11 + 11)^{1+1})) \\
&:= 2 + (22/2 + 22^2) \\
&:= 33/3 + (3 \times (3 + 3) \times 3^3) \\
&:= 4/4 + ((4^4 - 4 \times 4) + 4^4) \\
&:= 555 + ((5 + 5)/5 - (55 + 5)) \\
&:= 66 + ((6 \times (66 + 6)) - 6/6) \\
&:= 7 + 7 \times (77 - 7) \\
&:= 8/8 + (8 \times 8 \times 8 - (8 + 8)) \\
&:= 99/9 + ((9 + 9) \times (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 498 &:= (11 - 1)^{1+1+1}/(1 + 1) - 1 - 1 \\
&:= 2^{2+2} + (22^2 - 2) \\
&:= 3 + (3 \times ((3 + 3) \times 3^3 + 3)) \\
&:= 4^4 + (44 \times 44/(4 + 4)) \\
&:= 555 - ((5 + 5)/5 + 55) \\
&:= 66 + (6 \times (66 + 6)) \\
&:= 7 + (7 \times (77 - 7) + 7/7) \\
&:= 8 \times 8 \times 8 + (((8 + 8)/8) - (8 + 8)) \\
&:= ((99 + 9)/9) + ((9 + 9) \times (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 499 &:= (11 - 1)^{1+1+1}/(1 + 1) - 1 \\
&:= 2 + 22/2 + 22^2 + 2 \\
&:= ((3 \times (3 \times 333)) - 3)/(3 + 3) \\
&:= 4 + 44/4 \times (44 + 4/4) \\
&:= 555 - (55 + 5/5) \\
&:= 66 + ((6 \times (66 + 6)) + 6/6) \\
&:= 7 + (7 \times (77 - 7) + ((7 + 7)/7)) \\
&:= 8 \times 8 \times 8 - (88 + 8 + 8)/8 \\
&:= ((9 \times 999) - 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 500 &:= (11 - 1)^{1+1+1}/(1 + 1) \\
&:= 2^{2+2} + 22^2 \\
&:= (3/3 + 3) \times ((3 - 3/3 + 3)^3) \\
&:= 4 + ((4^4 - 4 \times 4) + 4^4) \\
&:= 5 \times 5 \times (5 \times 5 - 5) \\
&:= 66 + ((6 \times (66 + 6)) + ((6 + 6)/6)) \\
&:= 7 \times (77 - 7) + (77 - 7)/7 \\
&:= 8 \times 8 \times 8 - (88 + 8)/8 \\
&:= ((9 \times 999) + 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 501 &:= (1 + 1)^{11-1-1} - 11 \\
&:= 2/2 + 2^{2+2} + 22^2 \\
&:= ((3 + 3) \times (3 \times 3^3 + 3)) - 3 \\
&:= 4^4 + (4^4 - 44/4) \\
&:= 5/5 + (5 \times 5 \times (5 \times 5 - 5)) \\
&:= 6 \times 66 + (666/6 - 6) \\
&:= 77/7 + 7 \times (77 - 7) \\
&:= 8 \times 8 \times 8 - 88/8 \\
&:= (((9 + 9)/9)^9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 502 &:= 1 + (1 + 1)^{11-1-1} - 11 \\
&:= 2 + 2^{2+2} + 22^2 \\
&:= 3 + ((3 \times 3 \times 333 - 3)/(3 + 3)) \\
&:= 4^4 + ((4 - 44)/4 + 4^4) \\
&:= 555 + ((5 + 5)/5 - 55) \\
&:= ((6 + 6) \times (6 \times 6 + 6)) - (6 + 6)/6 \\
&:= 7 \times (77 - 7) + (77 + 7)/7 \\
&:= 8 \times 8 \times 8 + (8 - 88)/8 \\
&:= (((9 + 9)/9)^9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 503 &:= 1 + 1 + (1 + 1)^{11-1-1} - 11 \\
&:= 22 + 22^2 - (2/2 + 2) \\
&:= ((3 - 3/3)^{3 \times 3}) - 3 \times 3 \\
&:= (((4 + 4) \times (4^4 - 4)) - 4)/4 \\
&:= (5^5 - (555 + 55))/5 \\
&:= ((6 + 6) \times (6 \times 6 + 6)) - 6/6 \\
&:= 7 + ((7 \times (77 - 7) - 7/7) + 7) \\
&:= 8 \times 8 \times 8 - (8/8 + 8) \\
&:= (((9 + 9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 504 &:= (1 + 1) \times ((1 + 11) \times (11 + 11 - 1)) \\
&:= 22 + 22^2 - 2 \\
&:= (3 + 3) \times (3 \times 3^3 + 3) \\
&:= 4^4 + (4^4 - 4 - 4) \\
&:= 5 + (555 - (55 + 5/5)) \\
&:= (6 + 6) \times (6 \times 6 + 6) \\
&:= 7 + (7 \times (77 - 7) + 7) \\
&:= 8 \times 8 \times 8 - 8 \\
&:= 9 + (((9 + 9) \times (9 + 9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 505 &:= (11111 - 1)/(11 + 11) \\
&:= 22 + 22^2 - 2/2 \\
&:= 3/3 + ((3 + 3) \times (3 \times 3^3 + 3)) \\
&:= (((4 + 4) \times (4^4 - 4)) + 4)/4 \\
&:= 5 + (5 \times 5 \times (5 \times 5 - 5)) \\
&:= 6/6 + ((6 + 6) \times (6 \times 6 + 6)) \\
&:= 7 + ((7 \times (77 - 7) + 7/7) + 7) \\
&:= 8/8 + (8 \times 8 \times 8 - 8) \\
&:= (9 + 9)/9 + (((9 + 9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 506 &:= (1 + 1) \times 11 \times (1 + 11 + 11) \\
&:= 22 + 22^2 \\
&:= ((3 - 3/3)^{3 \times 3}) - (3 + 3) \\
&:= 4^4 + (4^4 - ((4 + 4)/4 + 4)) \\
&:= 5 + ((5 \times 5 \times (5 \times 5 - 5)) + 5/5) \\
&:= (6 + 6)/6 + ((6 + 6) \times (6 \times 6 + 6)) \\
&:= 7 + ((7 \times (77 - 7) + ((7 + 7)/7)) + 7) \\
&:= 8 \times 8 \times 8 + (((8 + 8)/8) - 8) \\
&:= 9 + (((9 + 9) \times (9 + 9 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 507 &:= (1 + 1 + 1) \times (1 + 1 + 11)^{1+1} \\
&:= 22 + 22^2 + 2/2 \\
&:= 3 + ((3 + 3) \times (3 \times 3^3 + 3)) \\
&:= 4^4 + (4^4 - (4/4 + 4)) \\
&:= (((5 + 5)/5)^{5-5/5+5}) - 5 \\
&:= 6 \times 66 + 666/6 \\
&:= 7 + (7 \times (77 - 7) + ((77 - 7)/7)) \\
&:= 8 \times 8 \times 8 + (88/8 - (8 + 8)) \\
&:= (((9 + 9)/9)^9) + ((9 - 99)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 508 &:= 1 + (1 + 1 + 1) \times (1 + 1 + 11)^{1+1} \\
&:= 2 + 22^2 + 22 \\
&:= ((3 - 3/3)^{3 \times 3}) - (3/3 + 3) \\
&:= 4^4 + (4^4 - 4) \\
&:= ((5^5 - (555 + 5))/5) - 5 \\
&:= 6 \times 66 + (666 + 6)/6 \\
&:= 7 + (7 \times (77 - 7) + (77/7)) \\
&:= 8 \times 8 \times 8 - (8/(8 + 8)/8) \\
&:= 9 + (((9 \times 999) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 509 &:= (1 + 1)^{11-1-1} - 1 - 1 - 1 \\
&:= 2 + 22^2 + 2/2 + 22 \\
&:= ((3 - 3/3)^{3 \times 3}) - 3 \\
&:= 4/4 + ((4^4 - 4) + 4^4) \\
&:= (5^5 - 555)/5 - 5 \\
&:= 6 + (((6 + 6) \times (6 \times 6 + 6)) - 6/6) \\
&:= 7 + (7 \times (77 - 7) + (77 + 7)/7) \\
&:= 8 + (8 \times 8 \times 8 - 88/8) \\
&:= 9 + (((9 \times 999) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 510 &:= (1 + 1)^{11-1-1} - 1 - 1 \\
&:= 2^{(2/2+2)^2} - 2 \\
&:= 3^{3+3} - ((3 + 3)^3 + 3) \\
&:= 4^4 + (4^4 - (4 + 4)/4) \\
&:= 5 + ((5 \times 5 \times (5 \times 5 - 5)) + 5) \\
&:= 6 + ((6 + 6) \times (6 \times 6 + 6)) \\
&:= (7 - 7/7) \times (7/7 + 77 + 7) \\
&:= 8 \times 8 \times 8 - (8 + 8)/8 \\
&:= (((9 + 9)/9)^9) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 511 &:= (1 + 1)^{11-1-1} - 1 \\
&:= 2^{(2/2+2)^2} - 2/2 \\
&:= ((3 - 3/3)^{3 \times 3}) - 3/3 \\
&:= 4^4 + (4^4 - 4/4) \\
&:= 555 + (55/5 - 55) \\
&:= 6 + (((6 + 6) \times (6 \times 6 + 6)) + 6/6) \\
&:= 7 \times (77 + 7) - 77 \\
&:= 8 \times 8 \times 8 - 8/8 \\
&:= (((9 + 9)/9)^9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 512 &:= (1 + 1)^{11-1-1} \\
&:= 2^{(2/2+2)^2} \\
&:= (3 - 3/3)^{3 \times 3} \\
&:= 4^4 + 4^4 \\
&:= ((5 + 5)/5)^{5-5/5+5} \\
&:= ((6 + 6)/6)^{6 \times 6/(6+6)+6} \\
&:= (7/7 + 7)^{(7+7+7)/7} \\
&:= 8 \times 8 \times 8 \\
&:= ((9 + 9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 513 &:= 1 + (1 + 1)^{11-1-1} \\
&:= 2/2 + 2^{(2/2+2)^2} \\
&:= 3^{3+3} - (3 + 3)^3 \\
&:= 4/4 + (4^4 + 4^4) \\
&:= (5^5 - (555 + 5))/5 \\
&:= 6 + (666/6 + 6 \times 66) \\
&:= 7/7 + ((7/7 + 7)^{(7+7+7)/7}) \\
&:= 8/8 + 8 \times 8 \times 8 \\
&:= 9/9 + (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 514 &:= 1 + 1 + (1 + 1)^{11-1-1} \\
&:= 2 + 2^{(2/2+2)^2} \\
&:= 3 + (((3 - 3/3)^{3 \times 3}) - 3/3) \\
&:= 4^4 + ((4 + 4)/4 + 4^4) \\
&:= (5^5 - 555)/5 \\
&:= 6 + ((666 + 6)/6 + 6 \times 66) \\
&:= 7 \times 77 - (77/7 + 7 + 7) \\
&:= 8 \times 8 \times 8 + (8 + 8)/8 \\
&:= (9 + 9)/9 + (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 515 &:= 1 + 1 + 1 + (1 + 1)^{11-1-1} \\
&:= 2 + ((2^{(2/2+2)^2}) + 2/2) \\
&:= 3 + ((3 - 3/3)^{3 \times 3}) \\
&:= 4 + ((4^4 - 4/4) + 4^4) \\
&:= 5^5/5 - (55 + 55) \\
&:= 66/6 + ((6 + 6) \times (6 \times 6 + 6)) \\
&:= 7 + ((7 \times (77 - 7) + (77/7)) + 7) \\
&:= 8 \times 8 \times 8 + (88/8 - 8) \\
&:= (((9 + 9)/9)^9) + ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 516 &:= 1 + 1 + 1 + 1 + (1 + 1)^{11-1-1} \\
&:= 2 \times (2^{2 \times (2+2)} + 2) \\
&:= 3 + (3^{3+3} - (3 + 3)^3) \\
&:= 4 + (4^4 + 4^4) \\
&:= (5^5 + 5)/5 - (55 + 55) \\
&:= 6 + (((6 + 6) \times (6 \times 6 + 6)) + 6) \\
&:= (7 - 7/7) \times (((7 + 7)/7 + 77) + 7) \\
&:= 8 \times 8 \times 8 + (8/(8 + 8)/8) \\
&:= (((9 + 9)/9)^9) + ((9 \times 9 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 517 &:= 11 \times (1 + (1 + 1) \times (1 + 11 + 11)) \\
&:= 22 + (22/2 + 22^2) \\
&:= 3 + (((3 - 3/3)^{3 \times 3}) - 3/3) + 3) \\
&:= 4 + ((4/4 + 4^4) + 4^4) \\
&:= 5 + ((5 + 5)/5)^{5-5/5+5} \\
&:= (66/6) \times (66/6 + 6 \times 6) \\
&:= 77/7 \times 7 \times 7 - (7 + 7)/7 \\
&:= 8 + ((8 \times 8 \times 8 - 88/8) + 8) \\
&:= 9 + (((9 \times 999) - 9)/(9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 518 &:= (1 + 11 + 11)^{1+1} - 11 \\
&:= 2 + (2 \times (2^{2 \times (2+2)} + 2)) \\
&:= 3 + (((3 - 3/3)^{3 \times 3}) + 3) \\
&:= 4 + (((4 + 4)/4 + 4^4) + 4^4) \\
&:= 5 + ((5^5 - (555 + 5))/5) \\
&:= 6 + (((6 + 6)/6)^{6 \times 6/(6+6)+6}) \\
&:= 7 \times 77 - (7 + 7 + 7) \\
&:= 8 + (8 \times 8 \times 8 - ((8 + 8)/8)) \\
&:= 9 + (((9 \times 999) + 9)/(9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 519 &:= 1 + (1 + 11 + 11)^{1+1} - 11 \\
&:= 2 + ((2 \times (2^{2 \times (2+2)} + 2)) + 2/2) \\
&:= 33 + (3 \times (3 + 3) \times 3^3) \\
&:= (((4 + 4) \times (4^4 + 4)) - 4)/4 \\
&:= 5 + (5^5 - 555)/5 \\
&:= 6 + ((666/6 + 6 \times 66) + 6) \\
&:= 7 + ((7/7 + 7)^{(7+7+7)/7}) \\
&:= 8 + (8 \times 8 \times 8 - 8/8) \\
&:= 9 + (((9 + 9)/9)^9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 520 &:= 1 + 1 + (1 + 11 + 11)^{1+1} - 11 \\
&:= 2 \times ((2^{2 \times (2+2)} + 2) + 2) \\
&:= 3 \times 3 + (((3 - 3/3)^{3 \times 3}) - 3/3) \\
&:= 4 + ((4^4 + 4^4) + 4) \\
&:= (5^5 - 5)/5 - (55 + 5) \\
&:= ((6 + 6)/6 + 6) \times (66 - 6/6) \\
&:= 7 \times 77 - ((77 + 7)/7 + 7) \\
&:= 8 + 8 \times 8 \times 8 \\
&:= 9 + (((9 + 9)/9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 521 &:= 11 + (1 + 1)^{11-1-1} - (1 + 1) \\
&:= (22/2)^2 + (22 - 2)^2 \\
&:= 3 \times 3 + ((3 - 3/3)^{3 \times 3}) \\
&:= (((4 + 4) \times (4^4 + 4)) + 4)/4 \\
&:= (5^5 + 5/5)/(5/5 + 5) \\
&:= 6 + (((6 + 6) \times (6 \times 6 + 6)) + (66/6)) \\
&:= 7 \times 77 - (77/7 + 7) \\
&:= 8 + (8 \times 8 \times 8 + 8/8) \\
&:= 9 + (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 522 &:= 11 + (1 + 1)^{11-1-1} - 1 \\
&:= 2 + ((2 + 2 + 2)^2 + 22^2) \\
&:= (3 + 3) \times (3 \times 3^3 + 3 + 3) \\
&:= 4^4 + ((44 - 4)/4 + 4^4) \\
&:= 5 + ((5 + 5)/5)^{5-5/5+5} + 5 \\
&:= 666 - (6 + 6) \times (6 + 6) \\
&:= 7 \times 77 + (((7 - 77)/7) - 7) \\
&:= 8 + (8 \times 8 \times 8 + (8 + 8)/8) \\
&:= 9 + (((9 + 9)/9)^9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 523 &:= 11 + (1+1)^{11-1-1} \\
&:= 22/2 + (2^{(2/2+2)^2}) \\
&:= 33/3 + ((3-3/3)^{3 \times 3}) \\
&:= 4^4 + (44/4 + 4^4) \\
&:= 555 - ((5+5)/5)^5 \\
&:= 6 + ((66/6) \times (66/6 + 6 \times 6)) \\
&:= 7 \times 77 - ((7+7)/7 + 7) + 7 \\
&:= 8 \times 8 \times 8 + 88/8 \\
&:= 99/9 + (((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 524 &:= 1 + 11 + (1+1)^{11-1-1} \\
&:= 2 \times (22^2 - 222) \\
&:= 3 + (((3-3/3)^{3 \times 3}) + 3 \times 3) \\
&:= (44 \times ((4+4) + 4)) - 4 \\
&:= 5 + ((5^5 - 555)/5 + 5) \\
&:= 6 \times 66 + (((6+6)/6)^{6/6+6}) \\
&:= 7 \times 77 - (7/7 + 7 + 7) \\
&:= 8 \times 8 \times 8 + (88 + 8)/8 \\
&:= (((9+9)/9)^9) + (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 525 &:= 1 + 1 + 11 + (1+1)^{11-1-1} \\
&:= ((22 + 2/2)^2) - 2 - 2 \\
&:= 3 + ((3+3) \times (3 \times 3^3 + 3 + 3)) \\
&:= 444 + (4 - 4/4)^4 \\
&:= 5 \times (5 \times (5 \times 5 - 5) + 5) \\
&:= (6 - 6/6) \times (666/6 - 6) \\
&:= 7 \times 77 - (7 + 7) \\
&:= 8 \times 8 \times 8 + (88 + 8 + 8)/8 \\
&:= (((9+9)/9)^9) + ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 526 &:= (1+1) \times ((1+1) \times 11 \times (1+1) - 1) \\
&:= (22 \times (22 + 2)) - 2 \\
&:= 3 + (((3-3/3)^{3 \times 3}) + 33/3) \\
&:= (44 \times ((4+4) + 4)) - (4 + 4)/4 \\
&:= 5 + ((5^5 + 5/5)/(5/5 + 5)) \\
&:= 6 + (((6+6)/6 + 6) \times (66 - 6/6)) \\
&:= 7/7 + (7 \times 77 - (7 + 7)) \\
&:= 8 + ((8 \times 8 \times 8 - ((8+8)/8)) + 8) \\
&:= 9 \times 9 + (((9 \times 9 \times 9) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 527 &:= (1 + 11 + 11)^{1+1} - 1 - 1 \\
&:= ((22 + 2/2)^2) - 2 \\
&:= 3 + (((3-3/3)^{3 \times 3}) + 3 \times 3 + 3) \\
&:= (44 \times ((4+4) + 4)) - 4/4 \\
&:= 555 + ((5+5)/5 - (5 \times 5 + 5)) \\
&:= (66 \times ((6+6)/6 + 6)) - 6/6 \\
&:= 7 \times 77 - (77 + 7)/7 \\
&:= 8 + ((8 \times 8 \times 8 - 8/8) + 8) \\
&:= 9 \times 9 + (((9 \times 9 \times 9) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 528 &:= (1 + 11 + 11)^{1+1} - 1 \\
&:= 22 \times (22 + 2) \\
&:= 33 \times (3^3 - 33/3) \\
&:= 44 \times ((4+4) + 4) \\
&:= 5 + (555 - ((5+5)/5)^5) \\
&:= 66 \times ((6+6)/6 + 6) \\
&:= 7 \times 77 - 77/7 \\
&:= 8 + (8 \times 8 \times 8 + 8) \\
&:= 9 + (((((9+9)/9)^9) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 529 &:= (1 + 11 + 11)^{1+1} \\
&:= (22 + 2/2)^2 \\
&:= (3^3 - 3/3 - 3)^{3-3/3} \\
&:= 4/4 + (44 \times ((4+4) + 4)) \\
&:= 555 - (5 \times 5 + 5/5) \\
&:= 6/6 + (66 \times ((6+6)/6 + 6)) \\
&:= 7 \times 77 + (7 - 77)/7 \\
&:= 8 + ((8 \times 8 \times 8 + 8/8) + 8) \\
&:= 9 + (((((9+9)/9)^9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 530 &:= 1 + (1 + 11 + 11)^{1+1} \\
&:= 2 + (22 \times (22 + 2)) \\
&:= (3 \times (3 + 3)) + ((3 - 3/3)^{3 \times 3}) \\
&:= (4 + 4)/4 + (44 \times ((4+4) + 4)) \\
&:= 555 - 5 \times 5 \\
&:= (6 + 6)/6 + (66 \times ((6+6)/6 + 6)) \\
&:= 7 \times 77 - ((7+7)/7 + 7) \\
&:= 8 + ((8 \times 8 \times 8 + (8+8)/8) + 8) \\
&:= 9 + (((9+9)/9)^9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 531 &:= 1 + 1 + (1 + 11 + 11)^{1+1} \\
&:= 2 + ((22 + 2/2)^2) \\
&:= 3 \times ((3 \times (3^3 + 33)) - 3) \\
&:= 4 + ((44 \times ((4+4) + 4)) - 4/4) \\
&:= 5/5 + (555 - 5 \times 5) \\
&:= 6 + ((6 - 6/6) \times (666/6 - 6)) \\
&:= 7 \times 77 - (7/7 + 7) \\
&:= 8 + (8 \times 8 \times 8 + 88/8) \\
&:= 9 \times 9 \times 9 - (99 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 532 &:= 1 + 1 + 1 + (1 + 11 + 11)^{1+1} \\
&:= 2 + ((22 \times (22 + 2)) + 2) \\
&:= 3 + (((3-3/3)^{3 \times 3}) - 3 - 3/3) \\
&:= 4 + (44 \times ((4+4) + 4)) \\
&:= 555 + ((5+5)/5 - 5 \times 5) \\
&:= (6/6 + 6) \times (((6+6)/6)^6 + 6) + 6 \\
&:= 7 \times 77 - 7 \\
&:= 8 + (((88 + 8)/8) + 8 \times 8 \times 8) \\
&:= 9 + (((9+9)/9)^9) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 533 &:= 1 + 1 + 1 + 1 + (1 + 11 + 11)^{1+1} \\
&:= 2 + (((22 + 2/2)^2) + 2) \\
&:= 3 + (((3-3/3)^{3 \times 3}) + (3 \times (3 + 3))) \\
&:= 4 + ((44 \times ((4+4) + 4)) + 4/4) \\
&:= 555 - (55 + 55)/5 \\
&:= 6 + ((66 \times ((6+6)/6 + 6)) - 6/6) \\
&:= 7/7 + (7 \times 77 - 7) \\
&:= 8 + ((88 + 8 + 8)/8 + 8 \times 8 \times 8) \\
&:= 9 + (((9+9)/9)^9) + ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 534 &:= 11 + 11 + (1 + 1)^{11-1-1} \\
&:= 22 + (2^{(2/2+2)^2}) \\
&:= 3 + (33 \times (3 + 3) + 333) \\
&:= (4 + 4)/4 \times (44/4 + 4^4) \\
&:= 5 + (555 - (5 \times 5 + 5/5)) \\
&:= 6 + (66 \times ((6+6)/6 + 6)) \\
&:= 7 \times 77 + ((7+7)/7 - 7) \\
&:= 8 \times 8 \times 8 + (88 + 88)/8 \\
&:= (((9+9)/9)^9) + ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 535 &:= 1 + 11 + 11 + (1 + 1)^{11-1-1} \\
&:= 2 + (((22 + 2/2)^2) + 2) + 2 \\
&:= (3333 - (3 \times 3 + 3)^3)/3 \\
&:= (4/4 + 4) \times (444/4 - 4) \\
&:= 5 + (555 - 5 \times 5) \\
&:= 6 + ((66 \times ((6+6)/6 + 6)) + 6/6) \\
&:= 7 + (7 \times 77 - (77/7)) \\
&:= 8 + (((8 \times 8 \times 8 - 8/8) + 8) + 8) \\
&:= (((99 \times 99) - 9)/(9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 536 &:= (1 + 1) \times (1 + 1) \times (1 + 1 + 11 \times (1 + 11)) \\
&:= 2 + ((2^{(2/2+2)^2}) + 22) \\
&:= 3^3 + (((3-3/3)^{3 \times 3}) - 3) \\
&:= 4 + ((44 \times ((4+4) + 4)) + 4) \\
&:= 5 + ((555 - 5 \times 5) + 5/5) \\
&:= ((6+6)/6 + 6) \times (66 + 6/6) \\
&:= 7 \times 77 - (7 + 7 + 7)/7 \\
&:= 8 + (8 \times 8 \times 8 + 8 + 8) \\
&:= (((99 \times 99) + 9)/(9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 537 &:= 1 + (1 + 1) \times (1 + 1) \times (1 + 1 + 11 \times (1 + 11)) \\
&:= 2 \times (2 + 2) + ((22 + 2/2)^2) \\
&:= (3 \times (3 \times (3^3 + 33))) - 3 \\
&:= (4/4 + 4)^4 - (44 + 44) \\
&:= 5 + (((5+5)/5 - 5 \times 5) + 555) \\
&:= 666/6 + ((6 \times (66 + 6)) - 6) \\
&:= 7 \times 77 - (7 + 7)/7 \\
&:= 8 + (((8 \times 8 \times 8 + 8/8) + 8) + 8) \\
&:= 9 \times (9 \times 9 - 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 538 &:= 11 + ((1 + 11 + 11)^{1+1} - (1 + 1)) \\
&:= 22 + (2 \times (2^{2 \times (2+2)} + 2)) \\
&:= 3^3 + (((3 - 3/3)^{3 \times 3} - 3/3)) \\
&:= 4 + ((4 + 4)/4 \times (44/4 + 4^4)) \\
&:= 555 - (((55 + 5)/5) + 5) \\
&:= 666 - (((6 + 6)/6)^{6/6+6}) \\
&:= 7 \times 77 - 7/7 \\
&:= 8 + (((8 \times 8 \times 8 + (8 + 8)/8) + 8) + 8) \\
&:= 9 + ((((((9 + 9)/9)^9) - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 539 &:= 11 + ((1 + 11 + 11)^{1+1} - 1) \\
&:= 22/2 + (22 \times (22 + 2)) \\
&:= 3^3 + ((3 - 3/3)^{3 \times 3}) \\
&:= 44/4 + (44 \times ((4 + 4) + 4)) \\
&:= 555 - (55/5 + 5) \\
&:= (6/6 + 6) \times (66/6 + 66) \\
&:= 7 \times 77 \\
&:= 8 + ((8 \times 8 \times 8 + 88/8) + 8) \\
&:= 9 + (((((9 + 9)/9)^9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 540 &:= 11 + (1 + 11 + 11)^{1+1} \\
&:= 2 \times ((2 \times (22 + 2)) + 222) \\
&:= 3 \times (3 \times (3^3 + 33)) \\
&:= (4 - 4/4) \times ((4 \times 44) + 4) \\
&:= (5 + 5) \times (55 - 5/5) \\
&:= (6 + 6 + 6) \times (6 \times 6 - 6) \\
&:= 7/7 + 7 \times 77 \\
&:= 8 + (((88 + 8)/8) + 8 \times 8 \times 8) + 8) \\
&:= (9 + 9 + 9) \times (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 541 &:= 1 + (11 + (1 + 11 + 11)^{1+1}) \\
&:= 2 + ((22 \times (22 + 2)) + 22/2) \\
&:= 3/3 + (3 \times (3 \times (3^3 + 33))) \\
&:= 4 + ((4/4 + 4)^4 - (44 + 44)) \\
&:= 5/5 + ((5 + 5) \times (55 - 5/5)) \\
&:= 6/6 + ((6 + 6 + 6) \times (6 \times 6 - 6)) \\
&:= 7 \times 77 + (7 + 7)/7 \\
&:= 8 \times (88 - 8) - (88/8 + 88) \\
&:= 9 + (((((9 + 9)/9)^9) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 542 &:= 1 + (1 + (11 + (1 + 11 + 11)^{1+1})) \\
&:= 2 + (((22 + 2/2)^2) + 22/2) \\
&:= 3 + (((3 - 3/3)^{3 \times 3}) + 3^3) \\
&:= (4 + 4)/4 \times ((44/4 + 4^4) + 4) \\
&:= 555 - (55 + 5 + 5)/5 \\
&:= 6 + (((6 + 6)/6 + 6) \times (66 + 6/6)) \\
&:= 7 \times 77 + (7 + 7 + 7)/7 \\
&:= 8 + ((88 + 88)/8 + 8 \times 8 \times 8) \\
&:= ((9999 - 9 \times 9)/(9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 543 &:= (1111 - 1)/(1 + 1) - 1 - 11 \\
&:= 2^{2+2} + (((22 + 2/2)^2) - 2) \\
&:= 3 + (3 \times (3 \times (3^3 + 33))) \\
&:= ((4 + 4) \times (4 \times 4 \times 4 + 4)) - 4/4 \\
&:= 555 - (55 + 5)/5 \\
&:= 666/6 + (6 \times (66 + 6)) \\
&:= 7 \times 77 + (77/7 - 7) \\
&:= 8 + (((8 \times 8 \times 8 - 8/8) + 8) + 8) + 8) \\
&:= (((99 \times 99) - 9)/(9 + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 544 &:= (1111 - 1)/(1 + 1) - 11 \\
&:= 2 \times (2^{2 \times (2+2)} + 2^{2+2}) \\
&:= (((3 \times 3 + 3)^3 + 3)/3) - 33 \\
&:= (4 + 4) \times (4 \times 4 \times 4 + 4) \\
&:= 555 - 55/5 \\
&:= 666 - ((666 + 66)/6) \\
&:= 7 + (7 \times 77 - ((7 + 7)/7)) \\
&:= 8 + ((8 \times 8 \times 8 + 8 + 8) + 8) \\
&:= ((99 \times 99) - 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 545 &:= (1 + 1111)/(1 + 1) - 11 \\
&:= 2^{2+2} + ((22 + 2/2)^2) \\
&:= 33 + ((3 - 3/3)^{3 \times 3}) \\
&:= 4/4 + ((4 + 4) \times (4 \times 4 \times 4 + 4)) \\
&:= 555 - 5 - 5 \\
&:= 6 + ((6/6 + 6) \times (66/6 + 66)) \\
&:= 7 + (7 \times 77 - 7/7) \\
&:= 8 + (((8 \times 8 \times 8 + 8/8) + 8) + 8) + 8) \\
&:= ((99 \times 99) + 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 546 &:= 1 + ((1 + 1111)/(1 + 1) - 11) \\
&:= 222 + ((2^{2+2} + 2)^2) \\
&:= (3 + 3)^3 + (333 - 3) \\
&:= (4 + 4)/4 + ((4 + 4) \times (4 \times 4 \times 4 + 4)) \\
&:= 5/5 + (555 - 5 - 5) \\
&:= 6 + ((6 + 6 + 6) \times (6 \times 6 - 6)) \\
&:= 7 + 7 \times 77 \\
&:= (8 - 8/8) \times ((8 - 88)/8 + 88) \\
&:= ((9999 - 9)/(9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 547 &:= 1 + (1 + ((1 + 1111)/(1 + 1) - 11)) \\
&:= 2 + (((22 + 2/2)^2) + 2^{2+2}) \\
&:= 3 + (((3 \times 3 + 3)^3 + 3)/3) - 33 \\
&:= ((44 \times 44 - 4) + 4^4)/4 \\
&:= 555 + ((5 + 5)/5 - 5 - 5) \\
&:= 6 + (((6 + 6 + 6) \times (6 \times 6 - 6)) + 6/6) \\
&:= 7 + (7 \times 77 + 7/7) \\
&:= (8888 - 8)/(8 + 8) - 8 \\
&:= ((9999 + 9)/(9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 548 &:= (1111 - 11)/(1 + 1) - 1 - 1 \\
&:= 22^2 + 2^{2+2+2} \\
&:= 3 + (((3 - 3/3)^{3 \times 3}) + 33) \\
&:= 4 + ((4 + 4) \times (4 \times 4 \times 4 + 4)) \\
&:= 555 - ((5 + 5)/5 + 5) \\
&:= 666 - ((666 + 6)/6 + 6) \\
&:= 7 + (7 \times 77 + ((7 + 7)/7)) \\
&:= 8 \times 8 + 88 \times 88/(8 + 8) \\
&:= 9 + ((((((9 + 9)/9)^9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 549 &:= (1111 - 11)/(1 + 1) - 1 \\
&:= 22 + (((22 + 2/2)^2) - 2) \\
&:= 3 \times ((3 + 3)^3 - 33) \\
&:= ((44 \times 44 + 4^4) + 4)/4 \\
&:= 555 - (5/5 + 5) \\
&:= 666 - (666/6 + 6) \\
&:= 7 \times 77 + (77 - 7)/7 \\
&:= 8 \times 8 \times 8 + 888/(8 + 8 + 8) \\
&:= 9 \times (9 \times 9 - 9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 550 &:= (1111 - 11)/(1 + 1) \\
&:= 22 + (22 \times (22 + 2)) \\
&:= 3/3 + ((3 + 3)^3 + 333) \\
&:= (4/4 + 4) \times (444 - 4)/4 \\
&:= (5 + 5) \times 55 \\
&:= (6 - 6/6) \times ((666 - 6)/6) \\
&:= 7 \times 77 + 77/7 \\
&:= (8888 - 88)/(8 + 8) \\
&:= 9/9 + (9 \times (9 \times 9 - 9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 551 &:= 1 + (1111 - 11)/(1 + 1) \\
&:= 22 + ((22 + 2/2)^2) \\
&:= (3333 - 3^3)/(3 + 3) \\
&:= 444 + (444/4 - 4) \\
&:= 5/5 + (5 + 5) \times 55 \\
&:= 66/6 + ((6 + 6 + 6) \times (6 \times 6 - 6)) \\
&:= 7 \times 77 + (77 + 7)/7 \\
&:= 8 \times (88 - 8) - (8/8 + 88) \\
&:= (9999 - 9 \times 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 552 &:= 1 + (1 + (1111 - 11)/(1 + 1)) \\
&:= (22 + 2) \times (22 + 2/2) \\
&:= 3 + ((3 + 3)^3 + 333) \\
&:= 44 + ((4^4 - 4) + 4^4) \\
&:= 555 + ((5 + 5)/5 - 5) \\
&:= 6 + (((6 + 6 + 6) \times (6 \times 6 - 6)) + 6) \\
&:= 7 + ((7 \times 77 - 7/7) + 7) \\
&:= 8 \times (88 - 8) - 88 \\
&:= (9 - 9/9) \times (9 \times 9 - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 553 &:= (1111 - 1)/(1 + 1) - 1 - 1 \\
&:= 2 + (((22 + 2/2)^2) + 22) \\
&:= ((3333 + 3)/(3 + 3)) - 3 \\
&:= 4 + (((44 \times 44 + 4^4) + 4)/4) \\
&:= 555 - (5 + 5)/5 \\
&:= (6/6 + 6) \times (66 + 6/6 + 6 + 6) \\
&:= 7 + (7 \times 77 + 7) \\
&:= 8/8 + (8 \times (88 - 8) - 88) \\
&:= 9 + (((99 \times 99) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 554 &:= (1111 - 1)/(1 + 1) - 1 \\
&:= ((22 + 2)^2) - 22 \\
&:= (3333 - 3 \times 3)/(3 + 3) \\
&:= 444 + (444 - 4)/4 \\
&:= 555 - 5/5 \\
&:= 666 - (666 + 6)/6 \\
&:= 7 + ((7 \times 77 + 7/7) + 7) \\
&:= (8 + 8)/8 + (8 \times (88 - 8) - 88) \\
&:= 9 + (((99 \times 99) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 555 &:= (1111 - 1)/(1 + 1) \\
&:= (2222 - 2)/(2 + 2) \\
&:= (3333 - 3)/(3 + 3) \\
&:= 444 + 444/4 \\
&:= 555 \\
&:= (6 - 6/6) \times 666/6 \\
&:= (7777 - 7)/(7 + 7) \\
&:= (8888 - 8)/(8 + 8) \\
&:= (9999 - 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 556 &:= (1 + 1111)/(1 + 1) \\
&:= 2 + (((22 + 2)^2) - 22) \\
&:= (3333 + 3)/(3 + 3) \\
&:= 44 + (4^4 + 4^4) \\
&:= 5/5 + 555 \\
&:= (6666 + 6)/(6 + 6) \\
&:= (7777 + 7)/(7 + 7) \\
&:= (8888 + 8)/(8 + 8) \\
&:= (9999 + 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 557 &:= 1 + (1 + 1111)/(1 + 1) \\
&:= 2 + ((2222 - 2)/(2 + 2)) \\
&:= (3333 + 3 \times 3)/(3 + 3) \\
&:= 44 + ((4/4 + 4^4) + 4^4) \\
&:= 555 + (5 + 5)/5 \\
&:= 6/6 + (6666 + 6)/(6 + 6) \\
&:= 7 + (7 \times 77 + (77/7)) \\
&:= 8 \times (8 \times 8 + 8) - (88/8 + 8) \\
&:= (9 \times (9 \times 9 - (9 + 9))) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 558 &:= 1 + (1 + (1 + 1111)/(1 + 1)) \\
&:= 2 + (((22 + 2)^2) - 22) + 2) \\
&:= 3 \times (((3 + 3)^3 - 33) + 3) \\
&:= 4 + ((444 - 4)/4 + 444) \\
&:= 5 + (555 - (5 + 5)/5) \\
&:= 666 - 6 \times (6 + 6 + 6) \\
&:= 7 + ((77 + 7)/7 + 7 \times 77) \\
&:= (8/8 + 8) \times (8 \times 8 - ((8 + 8)/8)) \\
&:= (9 \times (9 \times 9 - (9 + 9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 559 &:= 1 + (1 + (1 + (1 + 1111)/(1 + 1))) \\
&:= 2 + (((2222 - 2)/(2 + 2)) + 2) \\
&:= 3 + ((3333 + 3)/(3 + 3)) \\
&:= 4 + (444/4 + 444) \\
&:= 5 + (555 - 5/5) \\
&:= 6/6 + (666 - 6 \times (6 + 6 + 6)) \\
&:= 7 + (((7 \times 77 - 7/7) + 7) + 7) \\
&:= 888/8 + 8 \times (8 \times 8 - 8) \\
&:= 9/9 + ((9 \times (9 \times 9 - (9 + 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 560 &:= (11 - 1) \times (1 + 111)/(1 + 1) \\
&:= ((22 + 2)^2) - 2^{2+2} \\
&:= (3333 + 3^3)/(3 + 3) \\
&:= 4 + ((44 + 4^4) + 4^4) \\
&:= 5 + 555 \\
&:= (6 - 6/6) \times (666 + 6)/6 \\
&:= 7 + ((7 \times 77 + 7) + 7) \\
&:= (8 - 8/8) \times (88 - 8) \\
&:= (9 - 9/9) \times (9 \times 9 - 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 561 &:= (11 + 1111)/(1 + 1) \\
&:= (2222 + 22)/(2 + 2) \\
&:= 33 \times ((33/3 + 3) + 3) \\
&:= (4/4 + 4^4) - 4 \times 4 \times 4 \\
&:= 5 + (555 + 5/5) \\
&:= 6 + ((6 - 6/6) \times 666/6) \\
&:= 7 + (((7 \times 77 + 7/7) + 7) + 7) \\
&:= 8/8 + ((8 - 8/8) \times (88 - 8)) \\
&:= (9999 + 99)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 562 &:= 1 + ((11 + 1111)/(1 + 1)) \\
&:= 2 + (((22 + 2)^2) - 2^{2+2}) \\
&:= ((3 \times 3 + 3 + 3)^3 - 3)/(3 + 3) \\
&:= ((4 - 4^4)/4) + (4/4 + 4^4) \\
&:= 5 + (555 + (5 + 5)/5) \\
&:= 6 + (6666 + 6)/(6 + 6) \\
&:= 7 + ((7777 - 7)/(7 + 7)) \\
&:= (8 + 8)/8 + ((8 - 8/8) \times (88 - 8)) \\
&:= 9 + (((99 \times 99) - 9)/(9 + 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 563 &:= 1 + (1 + ((11 + 1111)/(1 + 1))) \\
&:= ((22 + 2)^2) - (22/2 + 2) \\
&:= ((3 \times 3 + 3 + 3)^3 + 3)/(3 + 3) \\
&:= 4 + ((444/4 + 444) + 4) \\
&:= 5 + ((555 - (5 + 5)/5) + 5) \\
&:= 666 - ((6 \times 6 + 66) + 6/6) \\
&:= 7 + ((7777 + 7)/(7 + 7)) \\
&:= 8 + (8888 - 8)/(8 + 8) \\
&:= 9 + (((99 \times 99) + 9)/(9 + 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 564 &:= ((1 + 1) \times (1 + 11))^{1+1} - 1 - 11 \\
&:= 22^2 + (2 \times 2 \times (22 - 2)) \\
&:= (3 \times ((3 + 3)^3 - 3^3)) - 3 \\
&:= (4 \times (4^4 - 4)) - 444 \\
&:= 5 + (555 - 5/5 + 5) \\
&:= (6 + 6) \times (66/6 + 6 \times 6) \\
&:= 7 + ((7 \times 77 + (77/7)) + 7) \\
&:= 8 + ((8888 + 8)/(8 + 8)) \\
&:= 9 + ((9999 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 565 &:= ((1 + 1) \times (1 + 11))^{1+1} - 11 \\
&:= ((22 + 2)^2) - 22/2 \\
&:= ((3 \times 3 + 3)^3 - 33)/3 \\
&:= 4 + ((4/4 + 4)^4 - 4 \times 4 \times 4) \\
&:= 5 + 555 + 5 \\
&:= 6/6 + ((6 + 6) \times (66/6 + 6 \times 6)) \\
&:= 7 + (((77 + 7)/7 + 7 \times 77) + 7) \\
&:= 8 \times (8 \times 8 + 8) - 88/8 \\
&:= 9 + ((9999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 566 &:= 11 + (1111 - 1)/(1 + 1) \\
&:= ((2 - 22)/2) + ((22 + 2)^2) \\
&:= (3 \times ((3 + 3)^3 - 3^3)) - 3/3 \\
&:= 4 + (((4 - 4^4)/4) + (4/4 + 4^4)) \\
&:= 555 + 55/5 \\
&:= 6 + ((6 - 6/6) \times (666 + 6)/6) \\
&:= 77 + (7 \times (77 - 7) - 7/7) \\
&:= (8 - 88)/8 + 8 \times (8 \times 8 + 8) \\
&:= (9 \times (9 \times 9 - (9 + 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 567 &:= 11 + (1 + 1111)/(1 + 1) \\
&:= 2 + (((22 + 2)^2) - 22/2) \\
&:= 3 \times ((3 + 3)^3 - 3^3) \\
&:= ((4/4 + 4) + 4) \times ((4^4 - 4)/4) \\
&:= 555 + (55 + 5)/5 \\
&:= 6 + (((6 - 6/6) \times 666/6) + 6) \\
&:= 77 + 7 \times (77 - 7) \\
&:= (8/8 + 8) \times (8 \times 8 - 8/8) \\
&:= 9 \times (9 \times 9 - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 568 &:= 1 + (11 + (1 + 1111)/(1 + 1)) \\
&:= ((22 + 2)^2) - 2 \times (2 + 2) \\
&:= 3 + (((3 \times 3 + 3)^3 - 33)/3) \\
&:= 4 + ((4 \times (4^4 - 4)) - 444) \\
&:= (5^5 - 5 - 5)/5 - 55 \\
&:= 6 + ((6666 + 6)/(6 + 6) + 6) \\
&:= 7/7 + (7 \times (77 - 7) + 77) \\
&:= 8 \times (8 \times 8 + 8) - 8 \\
&:= 9/9 + (9 \times (9 \times 9 - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 569 &:= 1 + (1 + (11 + (1 + 1111)/(1 + 1))) \\
&:= 2 + (((22 + 2)^2) - 22/2) + 2) \\
&:= (((3 \times 3 + 3)^3 - 3)/3) - (3 + 3) \\
&:= 4 + (((4/4 + 4)^4 - 4 \times 4 \times 4) + 4) \\
&:= (5^5 - 5)/5 - 55 \\
&:= 66 + (((6 + 6) \times (6 \times 6 + 6)) - 6/6) \\
&:= 7 + (((7777 - 7)/(7 + 7)) + 7) \\
&:= 8/8 + (8 \times (8 \times 8 + 8) - 8) \\
&:= (9 + 9)/9 + (9 \times (9 \times 9 - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 570 &:= (11 - 1) \times (1 + (1 + 111)/(1 + 1)) \\
&:= ((22 + 2)^2) - (2 + 2 + 2) \\
&:= 3 + (3 \times ((3 + 3)^3 - 3^3)) \\
&:= 444 + ((4^4 - 4)/(4 + 4)/4) \\
&:= 5^5/5 - 55 \\
&:= 66 + ((6 + 6) \times (6 \times 6 + 6)) \\
&:= 7 \times (77 + 7) - (77/7 + 7) \\
&:= (8 + 8)/8 + (8 \times (8 \times 8 + 8) - 8) \\
&:= 9 + ((9999 + 99)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 571 &:= 1 + (11 - 1) \times (1 + (1 + 111)/(1 + 1)) \\
&:= ((22 + 2)^2) - (2/2 + 2 + 2) \\
&:= (((3 \times 3 + 3)^3 + 3)/3) - (3 + 3) \\
&:= ((44 \times (44 + 4 + 4)) - 4)/4 \\
&:= (5^5 + 5)/5 - 55 \\
&:= 66 + (((6 + 6) \times (6 \times 6 + 6)) + 6/6) \\
&:= 7 + (((7 \times 77 + (77/7)) + 7) + 7) \\
&:= 8 + ((8888 - 8)/(8 + 8) + 8) \\
&:= 9 + (((99 \times 99) - 9)/(9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 572 &:= 11 + ((11 + 1111)/(1 + 1)) \\
&:= 22 \times (22 + 2 + 2) \\
&:= (((3 \times 3 + 3)^3 - 3)/3) - 3 \\
&:= 44 + (44 \times ((4 + 4) + 4)) \\
&:= (5^5 + 5 + 5)/5 - 55 \\
&:= (66/6) \times (((6 + 6)/6)^6 - (6 + 6)) \\
&:= 7777/7 - 7 \times 77 \\
&:= 88 + 88 \times 88/(8 + 8) \\
&:= 9 + (((99 \times 99) + 9)/(9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 573 &:= ((1 + 1) \times (1 + 11))^{1+1} - 1 - 1 - 1 \\
&:= ((22 + 2)^2) - 2/2 - 2 \\
&:= ((3 \times 3 + 3)^3/3) - 3 \\
&:= (4/4 + 4)^4 - (44 + 4 + 4) \\
&:= 5 + ((5^5 - 5 - 5)/5 - 55) \\
&:= 66 + (666/6 + 6 \times 66) \\
&:= 7 \times (77 + 7) - (7/7 + 7 + 7) \\
&:= 8 + (8 \times (8 \times 8 + 8) - 88/8) \\
&:= 9 + (((9999 - 9)/(9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 574 &:= ((1 + 1) \times (1 + 11))^{1+1} - 1 - 1 \\
&:= ((22 + 2)^2) - 2 \\
&:= (((3 \times 3 + 3)^3 + 3)/3) - 3 \\
&:= 4^4 + (((4^4 - 4 - 4)/4) + 4^4) \\
&:= 5 + ((5^5 - 5)/5 - 55) \\
&:= (6 \times ((6 \times 6 - 6) + 66)) - (6 + 6)/6 \\
&:= 7 \times (77 + 7) - (7 + 7) \\
&:= 8 \times (8 \times 8 + 8) - (8 + 8)/8 \\
&:= (9 - ((9 + 9)/9)) \times (9/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 575 &:= ((1 + 1) \times (1 + 11))^{1+1} - 1 \\
&:= ((22 + 2)^2) - 2/2 \\
&:= ((3 \times 3 + 3)^3 - 3)/3 \\
&:= 4^4 + (((4^4 - 4)/4) + 4^4) \\
&:= 5 + (5^5/5 - 55) \\
&:= (6 \times ((6 \times 6 - 6) + 66)) - 6/6 \\
&:= 7/7 + (7 \times (77 + 7) - (7 + 7)) \\
&:= 8 \times (8 \times 8 + 8) - 8/8 \\
&:= 9 + ((9 \times (9 \times 9 - (9 + 9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 576 &:= ((1 + 1) \times (1 + 11))^{1+1} \\
&:= (22 + 2)^2 \\
&:= (3 \times 3 + 3)^3/3 \\
&:= 4 \times (4 \times (4 \times (4 + 4) + 4)) \\
&:= 5 + ((5^5 + 5)/5 - 55) \\
&:= 6 \times ((6 \times 6 - 6) + 66) \\
&:= (77 + 7)/7 \times (7 \times 7 - 7/7) \\
&:= 8 \times (8 \times 8 + 8) \\
&:= 9 + (9 \times (9 \times 9 - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 577 &:= 1 + ((1 + 1) \times (1 + 11))^{1+1} \\
&:= 2/2 + ((22 + 2)^2) \\
&:= ((3 \times 3 + 3)^3 + 3)/3 \\
&:= (4/4 + 4)^4 - (44 + 4) \\
&:= 5 + ((5^5 + 5 + 5)/5 - 55) \\
&:= 6/6 + (6 \times ((6 \times 6 - 6) + 66)) \\
&:= 7 \times (77 + 7) - 77/7 \\
&:= 8/8 + 8 \times (8 \times 8 + 8) \\
&:= 9 + ((9 \times (9 \times 9 - (9 + 9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 578 &:= 1 + (1 + ((1 + 1) \times (1 + 11))^{1+1}) \\
&:= 2 + ((22 + 2)^2) \\
&:= 3 + (((3 \times 3 + 3)^3 - 3)/3) \\
&:= 4/4 + ((4/4 + 4)^4 - (44 + 4)) \\
&:= 5 \times 5 + (555 - (5 + 5)/5) \\
&:= (6 + 6)/6 + (6 \times ((6 \times 6 - 6) + 66)) \\
&:= ((7 - 77)/7) + 7 \times (77 + 7) \\
&:= (8 + 8)/8 + 8 \times (8 \times 8 + 8) \\
&:= 99/9 + (9 \times (9 \times 9 - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 579 &:= 1 + (1 + (1 + ((1 + 1) \times (1 + 11))^{1+1})) \\
&:= 2 + (((22 + 2)^2) + 2/2) \\
&:= 3 + ((3 \times 3 + 3)^3/3) \\
&:= 4 \times 4^4 - (444 + 4/4) \\
&:= 5 \times 5 + (555 - 5/5) \\
&:= 6 \times 6 \times 6 + 66 \times 66/(6 + 6) \\
&:= 7 \times (77 + 7) - ((7 + 7)/7 + 7) \\
&:= 88/8 + (8 \times (8 \times 8 + 8) - 8) \\
&:= ((99 + 9)/9) + (9 \times (9 \times 9 - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 580 &:= (1 + 1) \times ((1 + 1) \times (1 + (1 + 11)^{1+1})) \\
&:= 2 + (((22 + 2)^2) + 2) \\
&:= 3 + (((3 \times 3 + 3)^3 + 3)/3) \\
&:= 4 \times 4^4 - 444 \\
&:= 5 \times 5 + 555 \\
&:= (6 - 6/6) \times (((666 - 6)/6) + 6) \\
&:= 7 \times (77 + 7) - (7/7 + 7) \\
&:= 8 \times (8 \times 8 + 8) + (8/(8 + 8)/8) \\
&:= 9 \times 9 + (((9 \times 999) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 581 &:= 1 + ((1 + 1) \times ((1 + 1) \times (1 + (1 + 11)^{1+1}))) \\
&:= 2 + (((22 + 2)^2) + 2/2) + 2) \\
&:= 3 + (((3 \times 3 + 3)^3 - 3)/3) + 3) \\
&:= (4/4 + 4)^4 - 44 \\
&:= 5 \times 5 + (555 + 5/5) \\
&:= 6 + ((6 \times ((6 \times 6 - 6) + 66)) - 6/6) \\
&:= 7 \times (77 + 7) - 7 \\
&:= 8 + ((8 \times (8 \times 8 + 8) - 88/8) + 8) \\
&:= 9 \times 9 + (((9 \times 999) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 582 &:= (1 + 1) \times (1 + ((1 + 1) \times (1 + (1 + 11)^{1+1}))) \\
&:= 2 + (((22 + 2)^2) + 2) + 2) \\
&:= 3 + (((3 \times 3 + 3)^3/3) + 3) \\
&:= 4/4 + ((4/4 + 4)^4 - 44) \\
&:= 5 \times 5 + (555 + (5 + 5)/5) \\
&:= 6 + (6 \times ((6 \times 6 - 6) + 66)) \\
&:= 7/7 + (7 \times (77 + 7) - 7) \\
&:= 8 + (8 \times (8 \times 8 + 8) - (8 + 8)/8) \\
&:= 9 \times 9 + (((9 + 9)/9)^9) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 583 &:= 11 \times ((111 - 1)/(1 + 1) - 1 - 1) \\
&:= 2 + (((22 + 2)^2) + 2/2) + 2) + 2) \\
&:= 3 + (((3 \times 3 + 3)^3 + 3)/3) + 3) \\
&:= 44/4 \times ((4^4 - 44)/4) \\
&:= 55/5 \times (55 - (5 + 5)/5) \\
&:= 6 + ((6 \times ((6 \times 6 - 6) + 66)) + 6/6) \\
&:= ((7 + 7)/7) + (7 \times (77 + 7) - 7) \\
&:= 8 + (8 \times (8 \times 8 + 8) - 8/8) \\
&:= 9 + ((9 - ((9 + 9)/9)) \times (9/9 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 584 &:= 1 + 11 \times ((111 - 1)/(1 + 1) - 1 - 1) \\
&:= 2 \times (2 + 2) + ((22 + 2)^2) \\
&:= 3 \times 3 + (((3 \times 3 + 3)^3 - 3)/3) \\
&:= 4 + (4 \times 4^4 - 444) \\
&:= 5 + ((555 - 5/5) + 5 \times 5) \\
&:= ((6 + 6)/6 + 6) \times (66 + 6/6 + 6) \\
&:= 7 + (7 \times (77 + 7) - (77/7)) \\
&:= 8 + 8 \times (8 \times 8 + 8) \\
&:= 9 \times 9 + (((9 + 9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 585 &:= 11 + (((1 + 1) \times (1 + 11))^{1+1} - (1 + 1)) \\
&:= 22/2 + (((22 + 2)^2) - 2) \\
&:= 3 \times (33 \times (3 + 3) - 3) \\
&:= 4 + ((4/4 + 4)^4 - 44) \\
&:= 5 + (555 + 5 \times 5) \\
&:= (6 - 6/6) \times (666/6 + 6) \\
&:= 7 \times (77 + 7) - (7 + 7 + 7)/7 \\
&:= 8 + (8 \times (8 \times 8 + 8) + 8/8) \\
&:= 9 + ((9 \times (9 \times 9 - (9 + 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 586 &:= 11 + (((1 + 1) \times (1 + 11))^{1+1} - 1) \\
&:= 2 + (((22 + 2)^2) + 2 \times (2 + 2)) \\
&:= 3 \times 3 + (((3 \times 3 + 3)^3 + 3)/3) \\
&:= 4 + (((4/4 + 4)^4 - 44) + 4/4) \\
&:= 5 + (555 + 5 \times 5 + 5/5) \\
&:= (((6 + 6)/6)^{6+6} + 6)/(6/6 + 6) \\
&:= 7 \times (77 + 7) - (7 + 7)/7 \\
&:= 8 + (8 \times (8 \times 8 + 8) + ((8 + 8)/8)) \\
&:= 9 + (((9 \times (9 \times 9 - (9 + 9))) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 587 &:= 11 + ((1 + 1) \times (1 + 11))^{1+1} \\
&:= 22/2 + ((22 + 2)^2) \\
&:= ((3 \times 3 + 3)^3 + 33)/3 \\
&:= 4 + (44/4 \times ((4^4 - 44)/4)) \\
&:= 555 + ((5 + 5)/5)^5 \\
&:= 66/6 + (6 \times ((6 \times 6 - 6) + 66)) \\
&:= 7 \times (77 + 7) - 7/7 \\
&:= 88/8 + 8 \times (8 \times 8 + 8) \\
&:= 9 + ((9 \times (9 \times 9 - (9 + 9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 588 &:= 1 + (11 + ((1 + 1) \times (1 + 11))^{1+1}) \\
&:= (2/2 + 2) \times ((2^{2+2} - 2)^2) \\
&:= 3 + (3 \times (33 \times (3 + 3) - 3)) \\
&:= 4 + ((4 \times 4^4 - 444) + 4) \\
&:= 5 \times 55 + (5^5 + 5)/(5 + 5) \\
&:= 666 - (66 + 6 + 6) \\
&:= 7 \times (77 + 7) \\
&:= ((88 + 8)/8) + 8 \times (8 \times 8 + 8) \\
&:= (99 - 9/9) \times (9 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 589 &:= 1 + (1 + (11 + ((1 + 1) \times (1 + 11))^{1+1})) \\
&:= 2 + (((22 + 2)^2) + 22/2) \\
&:= 3 + ((3 \times (33 \times (3 + 3) - 3)) + 3/3) \\
&:= 4 + (((4/4 + 4)^4 - 44) + 4) \\
&:= ((5^5 - 55)/5) - 5 \times 5 \\
&:= 666 - (66/6 + 66) \\
&:= 7/7 + 7 \times (77 + 7) \\
&:= 88 + (8 \times 8 \times 8 - 88/8) \\
&:= 9 + (((9 \times 999) - 9)/(9 + 9)) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 590 &:= (11 - 1) \times ((11^{1+1} - 1)/(1 + 1) - 1) \\
&:= 2^{2+2} + (((22 + 2)^2) - 2) \\
&:= 3 + (((3 \times 3 + 3)^3 + 33)/3) \\
&:= (44 - 4)/4 \times (((4^4 - 4)/4) - 4) \\
&:= 5 + (555 + 5 \times 5) + 5) \\
&:= 666 + (((6 - 66)/6) - 66) \\
&:= ((7 + 7)/7) + 7 \times (77 + 7) \\
&:= 8 + ((8 \times (8 \times 8 + 8) - (8 + 8)/8) + 8) \\
&:= 9 + (((9 \times 999) + 9)/(9 + 9)) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 591 &:= (1 + 1 + 1) \times (1 + (1 + 1 + 1 + 11))^{1+1}) \\
&:= 2 + (((22 + 2)^2) + 22/2) + 2) \\
&:= 3 \times 33 \times (3 + 3) - 3 \\
&:= 44/4 + (4 \times 4^4 - 444) \\
&:= 5 \times 5 + (555 + (55/5)) \\
&:= 6 + ((6 - 6/6) \times (666/6 + 6)) \\
&:= 7 \times (77 + 7) + (7 + 7 + 7)/7 \\
&:= 8 + ((8 \times (8 \times 8 + 8) - 8/8) + 8) \\
&:= 9 \times 9 + (((9 + 9)/9)^9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 592 &:= (1 + 1) \times (11 \times (1 + 1 + 1))^{1+1+1} - 1) \\
&:= 2^{2+2} + ((22 + 2)^2) \\
&:= 3/3 + (3 \times 33 \times (3 + 3) - 3) \\
&:= 4 \times ((4 \times (4 \times (4 + 4) + 4)) + 4) \\
&:= 5 + (((5 + 5)/5)^5 + 555) \\
&:= 6 \times 6 + (6666 + 6)/(6 + 6) \\
&:= 77/7 + (7 \times (77 + 7) - 7) \\
&:= 8 + (8 \times (8 \times 8 + 8) + 8) \\
&:= 9 \times 9 + (((9 + 9)/9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 593 &:= 11 \times ((111 - 1)/(1 + 1) - 1) - 1 \\
&:= 22^2 + (222/2 - 2) \\
&:= 3 \times 33 \times (3 + 3) - 3/3 \\
&:= (4/4 + 4)^4 - 4 \times (4 + 4) \\
&:= 5^5/5 - ((5 + 5)/5)^5 \\
&:= 666 - (66 + 6/6 + 6) \\
&:= 7 + (7 \times (77 + 7) - ((7 + 7)/7)) \\
&:= 8 \times 88 - 888/8 \\
&:= 9 \times 9 + (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 594 &:= 11 \times ((111 - 1)/(1 + 1) - 1) \\
&:= 2 + (((22 + 2)^2) + 2^{2+2}) \\
&:= 3 \times 33 \times (3 + 3) \\
&:= 4/4 + ((4/4 + 4)^4 - 4 \times (4 + 4)) \\
&:= 55/5 \times (55 - 5/5) \\
&:= 666 - (66 + 6) \\
&:= 7 + (7 \times (77 + 7) - 7/7) \\
&:= 8 \times 88 + ((8 - 888)/8) \\
&:= 99 \times (9 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 595 &:= 111 + (11 + 11)^{1+1} \\
&:= 22^2 + 222/2 \\
&:= 3/3 + 3 \times 33 \times (3 + 3) \\
&:= (44 \times 44 + 444)/4 \\
&:= 5^5/5 - (5 \times 5 + 5) \\
&:= 6/6 + (666 - (66 + 6)) \\
&:= 7 + 7 \times (77 + 7) \\
&:= 8 + (8 \times (8 \times 8 + 8) + (88/8)) \\
&:= 9/9 + (99 \times (9 - ((9 + 9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 596 &:= 1 + (111 + (11 + 11))^{1+1}) \\
&:= 22 + (((22 + 2)^2) - 2) \\
&:= 3 + (3 \times 33 \times (3 + 3) - 3/3) \\
&:= (4 \times (4^4 + 4)) - 444 \\
&:= (5^5 + 5)/5 - (5 \times 5 + 5) \\
&:= 666 - (((6 + 6)/6)^6 + 6) \\
&:= 7 + (7 \times (77 + 7) + 7/7) \\
&:= 8 + (((88 + 8)/8) + 8 \times (8 \times 8 + 8)) \\
&:= (9999 + 9 \times 9 \times 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 597 &:= 1 + (1 + (111 + (11 + 11))^{1+1})) \\
&:= 2 + (222/2 + 22^2) \\
&:= 3 + 3 \times 33 \times (3 + 3) \\
&:= 4 + ((4/4 + 4)^4 - 4 \times (4 + 4)) \\
&:= (5^5 + 5 + 5)/5 - (5 \times 5 + 5) \\
&:= 666 - (6 \times 6/(6 + 6) + 66) \\
&:= 7 + (7 \times (77 + 7) + ((7 + 7)/7)) \\
&:= 8 + ((8 \times 8 \times 8 - 88/8) + 88) \\
&:= 999/9 + ((9 + 9) \times (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 598 &:= 11 + (11 + ((1 + 1) \times (1 + 11))^{1+1}) \\
&:= 22 + ((22 + 2)^2) \\
&:= 3 + (3 \times 33 \times (3 + 3) + 3/3) \\
&:= (4 + 4)/4 \times ((44 - 4/4) + 4^4) \\
&:= (5^5 - 5 - 5)/5 - 5 \times 5 \\
&:= 666 - (((6 + 6)/6) + 66) \\
&:= 7 \times (77 + 7) + (77 - 7)/7 \\
&:= 88 + (8 \times 8 \times 8 - ((8 + 8)/8)) \\
&:= 99 + (((9 \times 999) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 599 &:= 1111 - (1 + 1)^{11-1-1} \\
&:= 22 + (((22 + 2)^2) + 2/2) \\
&:= ((33/3)^3) - (3^{3+3} + 3) \\
&:= (((4 + 4) \times (44 + 4^4)) - 4)/4 \\
&:= (5^5 - 5)/5 - 5 \times 5 \\
&:= 666 - (66 + 6/6) \\
&:= 77/7 + 7 \times (77 + 7) \\
&:= 88 + (8 \times 8 \times 8 - 8/8) \\
&:= 99 + (((9 \times 999) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 600 &:= (1 + 1) \times (1 + 1 + 1) \times (11 - 1)^{1+1} \\
&:= 2 + (((22 + 2)^2) + 22) \\
&:= 3 + (3 \times 33 \times (3 + 3) + 3) \\
&:= (4 + 4) \times ((44 + 4^4)/4) \\
&:= 5 \times (5 \times 5 \times 5 - 5) \\
&:= 666 - 66 \\
&:= (7/7 + 7) \times (77 - (7 + 7)/7) \\
&:= 88 + 8 \times 8 \times 8 \\
&:= 99 + (((9 + 9)/9)^9) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 601 &:= 1 + (1 + 1) \times (1 + 1 + 1) \times (11 - 1)^{1+1} \\
&:= 2 + (((22 + 2)^2) + 22) + 2/2) \\
&:= 3 + ((3 \times 33 \times (3 + 3) + 3/3) + 3) \\
&:= (4/4 + 4)^4 - ((4 \times 4 + 4) + 4) \\
&:= (5^5 + 5)/5 - 5 \times 5 \\
&:= 6/6 + (666 - 66) \\
&:= 7 + ((7 \times (77 + 7) - 7/7) + 7) \\
&:= 8/8 + (8 \times 8 \times 8 + 88) \\
&:= 9 + (((9 + 9)/9)^9) - 9/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 602 &:= (1 + 1) \times (1 + (1 + 1 + 1) \times (11 - 1)^{1+1}) \\
&:= 2 + (((22 + 2)^2) + 22) + 2) \\
&:= ((33/3)^3) - 3^{3+3} \\
&:= (4 + 4)/4 \times ((44 + 4^4) + 4/4) \\
&:= (5^5 + 5 + 5)/5 - 5 \times 5 \\
&:= 666 - ((6 + 6)/6)^6 \\
&:= 7 + (7 \times (77 + 7) + 7) \\
&:= 88 + (8 \times 8 \times 8 + (8 + 8)/8) \\
&:= 9 + (((9 + 9)/9)^9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 603 &:= 11 \times (111 - 1)/(1 + 1) - 1 - 1 \\
&:= 22^2 + ((22/2)^2 - 2) \\
&:= 3 \times (33 \times (3 + 3) + 3) \\
&:= 4 + (((4 + 4) \times (44 + 4^4)) - 4)/4 \\
&:= (5^5 - (55 + 55))/5 \\
&:= 6/6 + (666 - ((6 + 6)/6)^6) \\
&:= 7 + ((7 \times (77 + 7) + 7/7) + 7) \\
&:= 8 + ((8 \times (8 \times 8 + 8) + (88/8)) + 8) \\
&:= 9 + (99 \times (9 - ((9 + 9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 604 &:= 11 \times (111 - 1)/(1 + 1) - 1 \\
&:= 2 \times (((2^2+2) + 2)^2) - 22) \\
&:= 3^3 + (((3 \times 3 + 3)^3 + 3)/3) \\
&:= 4^4 + (((4 + 4) \times 44) - 4) \\
&:= (55 \times 55 - 5)/5 \\
&:= 6 + (666 - (((6 + 6)/6) + 66)) \\
&:= 7 + ((7 \times (77 + 7) + ((7 + 7)/7)) + 7) \\
&:= 88 + ((8/((8 + 8)/8)) + 8 \times 8 \times 8) \\
&:= 9 \times 9 + (((9 + 9)/9)^9) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 605 &:= 11 \times (111 - 1)/(1 + 1) \\
&:= 22^2 + (22/2)^2 \\
&:= 3 + (((33/3)^3) - 3^{3+3}) \\
&:= (4/4 + 4)^4 - (4 \times 4 + 4) \\
&:= 55 \times (55/5) \\
&:= 6 + (666 - 66 - 6/6) \\
&:= 77 + (7 \times 77 - (77/7)) \\
&:= 8 \times 88 - (88/8 + 88) \\
&:= 99/9 \times ((999 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 606 &:= 1 + 11 \times (111 - 1)/(1 + 1) \\
&:= 2 + (2 \times (((2^2+2) + 2)^2) - 22)) \\
&:= 3 + (3 \times (33 \times (3 + 3) + 3)) \\
&:= 4/4 + ((4/4 + 4)^4 - (4 \times 4 + 4)) \\
&:= (55 \times 55 + 5)/5 \\
&:= 6 + (666 - 66) \\
&:= 7 + (7 \times (77 + 7) + (77/7)) \\
&:= 8 + ((8 \times 8 \times 8 - ((8 + 8)/8)) + 88) \\
&:= 9 + (((9 + 9) \times (9 + 9 + 9)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 607 &:= 1 + 1 + 11 \times (111 - 1)/(1 + 1) \\
&:= 2 + ((22/2)^2 + 22^2) \\
&:= 3 + ((3 \times (33 \times (3 + 3) + 3)) + 3/3) \\
&:= 4^4 + (((4 + 4) \times 44) - 4/4) \\
&:= ((55 \times 55 + 5) + 5)/5 \\
&:= 6 + ((666 - 66) + 6/6) \\
&:= 7 + (7 \times (77 + 7) + (77 + 7)/7) \\
&:= 8 + ((8 \times 8 \times 8 - 8/8) + 88) \\
&:= 9 \times 9 \times 9 - (999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 608 &:= (11 \times 111 - 1)/(1 + 1) - 1 - 1 \\
&:= 2^{2+2} \times ((2 + 2 + 2)^2 + 2) \\
&:= 33 + (((3 \times 3 + 3)^3 - 3)/3) \\
&:= 4^4 + ((4 + 4) \times 44) \\
&:= ((5^5 - (55 + 55))/5) - 5 \\
&:= 6 + (666 - ((6 + 6)/6)^6) \\
&:= (7/7 + 7) \times (77 - 7/7) \\
&:= 8 + (8 \times 8 \times 8 + 88) \\
&:= 9 \times 9 \times 9 - (((999 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 609 &:= (11 \times 111 - 1)/(1 + 1) - 1 \\
&:= 2 + (((22/2)^2 + 22^2) + 2) \\
&:= 33 + ((3 \times 3 + 3)^3/3) \\
&:= (4/4 + 4)^4 - 4 \times 4 \\
&:= ((5^5 - 55)/5) - 5 \\
&:= 6 \times (6 \times 6 + 66) - 6 \times 6/(6 + 6) \\
&:= 77 + (7 \times 77 - 7) \\
&:= (8 - 8/8) \times (88 - 8/8) \\
&:= 9 \times 9 \times 9 - (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 610 &:= (11 \times 111 - 1)/(1 + 1) \\
&:= 2 + ((2 \times 2^{2+2}) + ((22 + 2)^2)) \\
&:= 33 + (((3 \times 3 + 3)^3 + 3)/3) \\
&:= 4/4 + ((4/4 + 4)^4 - 4 \times 4) \\
&:= 55 + 555 \\
&:= 6 \times (6 \times 6 + 66) - (6 + 6)/6 \\
&:= 7/7 + (7 \times 77 - 7 + 77) \\
&:= 8 + ((8 \times 8 \times 8 + (8 + 8)/8) + 88) \\
&:= 99 + (((9 + 9)/9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 611 &:= (1 + 11 \times 111)/(1 + 1) \\
&:= 22^2 + ((2^{2 \times (2+2)} - 2)/2) \\
&:= 3 \times 33 + ((3 - 3/3)^{3 \times 3}) \\
&:= 4 + (((4 + 4) \times 44) - 4/4) + 4^4) \\
&:= 5 + ((55 \times 55 + 5)/5) \\
&:= 6 \times (6 \times 6 + 66) - 6/6 \\
&:= 77 + (((7 + 7)/7 - 7) + 7 \times 77) \\
&:= 88 + (8 \times 8 \times 8 + 88/8) \\
&:= 99 + (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 612 &:= 1 + (1 + 11 \times 111)/(1 + 1) \\
&:= 2 \times ((22 \times (2^{2+2} - 2)) - 2) \\
&:= (3 + 3) \times (3 \times 33 + 3) \\
&:= 4 + (((4 + 4) \times 44) + 4^4) \\
&:= (5^5 - (55 + 5 + 5))/5 \\
&:= 6 \times (6 \times 6 + 66) \\
&:= 7 + ((7 \times 77 - (77/7)) + 77) \\
&:= 88 + (((88 + 8)/8) + 8 \times 8 \times 8) \\
&:= 9 \times 9 \times 9 - (99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 613 &:= 1 + 1 + (1 + 11 \times 111)/(1 + 1) \\
&:= 22^2 + ((2^{2 \times (2+2)} + 2)/2) \\
&:= 3/3 + ((3+3) \times (3 \times 33 + 3)) \\
&:= 4 + ((4/4 + 4)^4 - 4 \times 4) \\
&:= (5^5 - (55 + 5))/5 \\
&:= 6/6 + 6 \times (6 \times 6 + 66) \\
&:= 7 + ((7 \times (77 + 7) + (77/7)) + 7) \\
&:= 8 + (8 \times 88 - (88/8 + 88)) \\
&:= 9/9 + (9 \times 9 \times 9 - (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 614 &:= (1 + (1 + 1) \times (1 + 11))^{1+1} - 11 \\
&:= (2 \times (22 \times (2^{2+2} - 2))) - 2 \\
&:= 3 \times (3 + 3)^3 - (3/3 + 33) \\
&:= (4/4 + 4)^4 - 44/4 \\
&:= (5^5 - 55)/5 \\
&:= (6 + 6)/6 + 6 \times (6 \times 6 + 66) \\
&:= 77 + (7 \times 77 - ((7 + 7)/7)) \\
&:= 8 \times 88 - ((8 + 8)/8 + 88) \\
&:= 999/9 + (((9 + 9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 615 &:= 11 \times (1 + 111)/(1 + 1) - 1 \\
&:= (2/2 + 2 + 2) \times ((22/2)^2 + 2) \\
&:= 3 \times (3 + 3)^3 - 33 \\
&:= (4 - 44)/4 + (4/4 + 4)^4 \\
&:= 5^5/5 - 5 - 5 \\
&:= (66 \times 66 - 666)/6 \\
&:= 77 + (7 \times 77 - 7/7) \\
&:= 8 \times 88 - (8/8 + 88) \\
&:= 9 \times 9 \times 9 - (((999 + 9 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 616 &:= 11 \times ((1 + 111)/(1 + 1)) \\
&:= 2 \times (22 \times (2^{2+2} - 2)) \\
&:= 3/3 + (3 \times (3 + 3)^3 - 33) \\
&:= (4 + 4) \times ((4 - 4/4)^4 - 4) \\
&:= (5^5 + 5)/5 - 5 - 5 \\
&:= 6 + (6 \times (6 \times 6 + 66) - ((6 + 6)/6)) \\
&:= 77 + 7 \times 77 \\
&:= 88 \times (8 - 8/8) \\
&:= 99/9 \times ((999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 617 &:= 1 + 11 \times (1 + 111)/(1 + 1) \\
&:= 22 + (222/2 + 22^2) \\
&:= 3^{3+3} - ((333 + 3)/3) \\
&:= (4/4 + 4)^4 - 4 - 4 \\
&:= (5^5 + 5 + 5)/5 - 5 - 5 \\
&:= 6 + (6 \times (6 \times 6 + 66) - 6/6) \\
&:= 7/7 + (7 \times 77 + 77) \\
&:= 8/8 + 88 \times (8 - 8/8) \\
&:= 9 \times 9 \times 9 - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 618 &:= 1 + 1 + 11 \times (1 + 111)/(1 + 1) \\
&:= 2 + (2 \times (22 \times (2^{2+2} - 2))) \\
&:= 3 + (3 \times (3 + 3)^3 - 33) \\
&:= 4 + ((4/4 + 4)^4 - 44/4) \\
&:= (5^5 - 5 - 5)/5 - 5 \\
&:= 6 + 6 \times (6 \times 6 + 66) \\
&:= 77 + (7 \times 77 + ((7 + 7)/7)) \\
&:= (8 + 8)/8 + 88 \times (8 - 8/8) \\
&:= 9 \times 9 \times 9 - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 619 &:= 1 + 1 + 1 + 11 \times (1 + 111)/(1 + 1) \\
&:= (2 \times 22) + (((22 + 2)^2) - 2/2) \\
&:= 3^{3+3} + ((3 - 333)/3) \\
&:= 444 + ((4 \times 44) - 4/4) \\
&:= (5^5 - 5)/5 - 5 \\
&:= 6 + (6 \times (6 \times 6 + 66) + 6/6) \\
&:= 77 + (((7 + 7 + 7)/7) + 7 \times 77) \\
&:= 8 + ((8 \times 8 \times 8 + 88/8) + 88) \\
&:= 9 \times 9 \times 9 + ((9 - 999)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 620 &:= 11 + (11 \times 111 - 1)/(1 + 1) - 1 \\
&:= (2 \times 22) + ((22 + 2)^2) \\
&:= 3 \times (3 + 3)^3 - (3^3 + 3/3) \\
&:= 444 + (4 \times 44) \\
&:= 5^5/5 - 5 \\
&:= 6 + (6 \times (6 \times 6 + 66) + ((6 + 6)/6)) \\
&:= 77 + ((7 \times 77 - 7) + (77/7)) \\
&:= 8 \times 8 + ((8888 + 8)/(8 + 8)) \\
&:= 9 + (((9 + 9)/9)^9) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 621 &:= 11 + (11 \times 111 - 1)/(1 + 1) \\
&:= ((2/2 + 2 + 2)^{2+2}) - 2 - 2 \\
&:= 3 \times ((3 + 3)^3 - 3 \times 3) \\
&:= (4/4 + 4)^4 - 4 \\
&:= (5^5 + 5)/5 - 5 \\
&:= 6 + ((66 \times 66 - 666)/6) \\
&:= 7 + ((7 \times 77 - ((7 + 7)/7)) + 77) \\
&:= 8 \times (88 - 8) - (88/8 + 8) \\
&:= 9 \times 9 \times 9 - (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 622 &:= 11 + (1 + 11 \times 111)/(1 + 1) \\
&:= 222 + (22 - 2)^2 \\
&:= 3/3 + (3 \times ((3 + 3)^3 - 3 \times 3)) \\
&:= 4/4 + ((4/4 + 4)^4 - 4) \\
&:= (5^5 + 5 + 5)/5 - 5 \\
&:= 66 + (6666 + 6)/(6 + 6) \\
&:= 7 + ((7 \times 77 - 7/7) + 77) \\
&:= 8 \times 8 \times 8 + ((888 - 8)/8) \\
&:= 9/9 + (9 \times 9 \times 9 - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 623 &:= 111 + (1 + 1)^{11-1-1} \\
&:= ((2/2 + 2 + 2)^{2+2}) - 2 \\
&:= 3 + (3 \times (3 + 3)^3 - (3^3 + 3/3)) \\
&:= (4/4 + 4)^4 - (4 + 4)/4 \\
&:= (5^5 - 5 - 5)/5 \\
&:= 66/6 + 6 \times (6 \times 6 + 66) \\
&:= 7 + (7 \times 77 + 77) \\
&:= 8 \times 8 \times 8 + 888/8 \\
&:= 999/9 + (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 624 &:= (1 + (1 + 1) \times (1 + 11))^{1+1} - 1 \\
&:= (22 + 2) \times (22 + 2 + 2) \\
&:= 3 + (3 \times ((3 + 3)^3 - 3 \times 3)) \\
&:= 4 \times (4 \times (44 - 4) - 4) \\
&:= (5^5 - 5)/5 \\
&:= 666 - (6 \times 6 + 6) \\
&:= (7/7 + 7) \times (7/7 + 77) \\
&:= 8 + 88 \times (8 - 8/8) \\
&:= (9 - 9/9) \times (9 \times 9 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 625 &:= (1 + (1 + 1) \times (1 + 11))^{1+1} \\
&:= (2/2 + 2 + 2)^{2+2} \\
&:= (3 - 3/3 + 3)^{3/3+3} \\
&:= (4/4 + 4)^4 \\
&:= 5^5/5 \\
&:= (6 - 6/6)^{6-(6+6)/6} \\
&:= (7 - ((7 + 7)/7))^{7/7-7} \\
&:= 8 + (88 \times (8 - 8/8) + 8/8) \\
&:= 9 \times 9 + (((99 \times 99) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 626 &:= 1 + (1 + (1 + 1) \times (1 + 11))^{1+1} \\
&:= 2 + ((22 + 2) \times (22 + 2 + 2)) \\
&:= 3/3 + ((3 - 3/3 + 3)^{3/3+3}) \\
&:= 4/4 + (4/4 + 4)^4 \\
&:= (5^5 + 5)/5 \\
&:= 6/6 + (((6 - 6/6)^{6-(6+6)/6}) \\
&:= (7 \times (77 + 7 + 7)) - 77/7 \\
&:= 8 + (((8 + 8)/8) - 88) + 8 \times 88 \\
&:= 9 + (9 \times 9 \times 9 - ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 627 &:= 11 \times (1 + ((1 + 111)/(1 + 1))) \\
&:= 2 + ((2/2 + 2 + 2)^{2+2}) \\
&:= 33 + 3 \times 33 \times (3 + 3) \\
&:= (4 + 4)/4 + (4/4 + 4)^4 \\
&:= (5^5 + 5 + 5)/5 \\
&:= 666 - ((66 \times 6)/(6 + 6) + 6) \\
&:= 77 + (7 \times 77 + (77/7)) \\
&:= 88/8 + 88 \times (8 - 8/8) \\
&:= 9 + (9 \times 9 \times 9 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 628 &:= 1 + (11 \times (1 + ((1 + 111)/(1 + 1)))) \\
&:= 22^2 + ((2 \times (2 + 2 + 2))^2) \\
&:= 3 + ((3 - 3/3 + 3)^{3/3+3}) \\
&:= 4 + (4 \times (4 \times (44 - 4) - 4)) \\
&:= 5 + (5^5 - 5 - 5)/5 \\
&:= 666 - (((6 + 6)/6) + 6 \times 6) \\
&:= 77 + ((77 + 7)/7 + 7 \times 77) \\
&:= 8 \times (88 - 8) - (88 + 8)/8 \\
&:= 9 \times 9 \times 9 - ((9 + 9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 629 &:= 1 + (1 + (11 \times (1 + ((1 + 111)/(1 + 1)))))) \\
&:= 2 + (((2/2 + 2 + 2)^{2+2}) + 2) \\
&:= 3^{3+3} - (3 \times 33 + 3/3) \\
&:= 4 + (4/4 + 4)^4 \\
&:= 5 + (5^5 - 5)/5 \\
&:= 666 - (6 \times 6 + 6/6) \\
&:= (7 \times (77 + 7 + 7)) - (7/7 + 7) \\
&:= 8 \times (88 - 8) - 88/8 \\
&:= 9 \times 9 \times 9 - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 630 &:= (11 - 1) \times ((1 + 1 + 1) \times (11 + (11 - 1))) \\
&:= 2 + (((2 \times (2 + 2 + 2))^2) + 22^2) \\
&:= 3 \times ((3 + 3)^3 - (3 + 3)) \\
&:= 4 + ((4/4 + 4)^4 + 4/4) \\
&:= 5 + 5^5/5 \\
&:= 666 - 6 \times 6 \\
&:= (7 \times (77 + 7 + 7)) - 7 \\
&:= (8 - 8/8) \times ((8 + 8)/8 + 88) \\
&:= 9 \times 9 \times 9 - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 631 &:= 1 + ((11 - 1) \times ((1 + 1 + 1) \times (11 + (11 - 1)))) \\
&:= 2 + (((2/2 + 2 + 2)^{2+2}) + 2) + 2) \\
&:= 3/3 + (3 \times ((3 + 3)^3 - (3 + 3))) \\
&:= 4 + ((4/4 + 4)^4 + (4 + 4)/4) \\
&:= 5 + (5^5 + 5)/5 \\
&:= 6/6 + (666 - 6 \times 6) \\
&:= 7 + ((7/7 + 7) \times (7/7 + 77)) \\
&:= 8 \times (88 - 8) - (8/8 + 8) \\
&:= 9/9 + (9 \times 9 \times 9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 632 &:= 11^{1+1} + ((1 + 1)^{11-1-1} - 1) \\
&:= (22 + 2 + 2)^2 - 2 \times 22 \\
&:= 3 + (3^{3+3} - (3 \times 33 + 3/3)) \\
&:= (4 \times (4 \times (44 - 4))) - 4 - 4 \\
&:= 5 + (5^5 + 5 + 5)/5 \\
&:= 666 + (((6 + 6)/6) - 6 \times 6) \\
&:= (7/7 + 7) \times ((7 + 7)/7 + 77) \\
&:= 8 \times (88 - 8) - 8 \\
&:= 9 \times 9 \times 9 + (((9 + 9)/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 633 &:= (1 + 1 + 1) \times ((1 + 1) \times 111 - 11) \\
&:= 2 \times (2 + 2) + ((2/2 + 2 + 2)^{2+2}) \\
&:= 3 + (3 \times ((3 + 3)^3 - (3 + 3))) \\
&:= 4 + ((4/4 + 4)^4 + 4) \\
&:= 5 + ((5^5 - 5 - 5)/5 + 5) \\
&:= 666 - (66 \times 6/(6 + 6)) \\
&:= 7 + ((7 \times (77 + 7 + 7)) - (77/7)) \\
&:= 8/8 + (8 \times (88 - 8) - 8) \\
&:= 9 \times 9 \times 9 + (((9 + 9 + 9)/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 634 &:= 1 + ((1 + 1 + 1) \times ((1 + 1) \times 111 - 11)) \\
&:= 2 + (((22 + 2 + 2)^2) - (2 \times 22)) \\
&:= 3 \times (3 + 3)^3 - (33/3 + 3) \\
&:= 4 + (((4/4 + 4)^4 + 4/4) + 4) \\
&:= 5 + ((5^5 - 5)/5 + 5) \\
&:= 6 + (666 - (((6 + 6)/6) + 6 \times 6)) \\
&:= 7 + ((7 \times 77 + (77/7)) + 77) \\
&:= (8 + 8)/8 + (8 \times (88 - 8) - 8) \\
&:= 9 + (((99 \times 99) - 9)/(9 + 9)) + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 635 &:= 11 + ((1 + (1 + 1) \times (1 + 11))^{1+1} - 1) \\
&:= (((2 + 2 + 2)^{2+2}) - 22)/2 - 2 \\
&:= (3 \times ((3 + 3)^3 - 3)) - (3/3 + 3) \\
&:= (4/4 + 4)^4 + (44 - 4)/4 \\
&:= 5 + (5^5/5 + 5) \\
&:= 6 + (666 - (6 \times 6 + 6/6)) \\
&:= (7 \times (77 + 7 + 7)) - (7 + 7)/7 \\
&:= 8 + (88 \times (8 - 8/8) + (88/8)) \\
&:= 9 \times 99 - (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 636 &:= 11 + (1 + (1 + 1) \times (1 + 11))^{1+1} \\
&:= 2 \times ((2^{2+2} \times (22 - 2)) - 2) \\
&:= (3 \times ((3 + 3)^3 - 3)) - 3 \\
&:= (4 \times (4 \times (44 - 4))) - 4 \\
&:= (55 + 5^5)/5 \\
&:= 6 + (666 - 6 \times 6) \\
&:= (7 \times (77 + 7 + 7)) - 7/7 \\
&:= 8 \times (88 - 8) - (8/((8 + 8)/8)) \\
&:= 9 \times (9 \times 9 - 9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 637 &:= 1 + (11 + (1 + (1 + 1) \times (1 + 11))^{1+1}) \\
&:= (((2 + 2 + 2)^{2+2}) - 22)/2 \\
&:= 3 \times (3 + 3)^3 - 33/3 \\
&:= 4 + (((4/4 + 4)^4 + 4) + 4) \\
&:= (55 + 5^5 + 5)/5 \\
&:= 6 + ((666 - 6 \times 6) + 6/6) \\
&:= 7 \times (77 + 7 + 7) \\
&:= 8 + (8 \times (88 - 8) - (88/8)) \\
&:= 9 \times (9 \times 9 - 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 638 &:= 11 \times (1 + 1 + (1 + 111)/(1 + 1)) \\
&:= (2 \times (2^{2+2} \times (22 - 2))) - 2 \\
&:= (3 \times ((3 + 3)^3 - 3)) - 3/3 \\
&:= (4 \times (4 \times (44 - 4))) - (4 + 4)/4 \\
&:= ((55 + 5^5 + 5) + 5)/5 \\
&:= (66/6) \times (((6 + 6)/6)^6 - 6) \\
&:= 7/7 + (7 \times (77 + 7 + 7)) \\
&:= 8 \times (88 - 8) - (8 + 8)/8 \\
&:= 9 \times (9 \times 9 - 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 639 &:= 1 + 11 \times (1 + 1 + (1 + 111)/(1 + 1)) \\
&:= 2 + (((2 + 2 + 2)^{2+2}) - 22)/2) \\
&:= 3 \times ((3 + 3)^3 - 3) \\
&:= (4 \times (4 \times (44 - 4))) - 4/4 \\
&:= 5 + (((5^5 - 5)/5 + 5) + 5) \\
&:= 6 + (666 - (66 \times 6/(6 + 6))) \\
&:= ((7 + 7)/7) + (7 \times (77 + 7 + 7)) \\
&:= 8 \times (88 - 8) - 8/8 \\
&:= 9 \times (9 \times 9 - 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 640 &:= 111 + (1 + 11 + 11)^{1+1} \\
&:= 2 \times (2^{2+2} \times (22 - 2)) \\
&:= 3/3 + (3 \times ((3 + 3)^3 - 3)) \\
&:= 4 \times (4 \times (44 - 4)) \\
&:= 5 + (5^5/5 + 5 + 5) \\
&:= ((66 - 6)/6) \times ((6 + 6)/6)^6 \\
&:= (7 - ((7 + 7)/7)) \times ((7 + 7)/7)^7 \\
&:= 8 \times (88 - 8) \\
&:= 9/9 + (9 \times (9 \times 9 - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 641 &:= 1 + 111 + (1 + 11 + 11)^{1+1} \\
&:= 2/2 + (2 \times (2^{2+2} \times (22 - 2))) \\
&:= 3 + ((3 \times ((3 + 3)^3 - 3)) - 3/3) \\
&:= 4 \times 4 + (4/4 + 4)^4 \\
&:= 5 + ((55 + 5^5)/5) \\
&:= 666 + ((66/6) - 6 \times 6) \\
&:= 77/7 + ((7 \times (77 + 7 + 7)) - 7) \\
&:= 8/8 + 8 \times (88 - 8) \\
&:= 9 \times 9 \times 9 + ((99/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 642 &:= (1 + 1) \times ((1 + 1 + 1) \times 111 - 1 - 11) \\
&:= 2 + (2 \times (2^{2+2} \times (22 - 2))) \\
&:= 3 + (3 \times ((3 + 3)^3 - 3)) \\
&:= 4 \times 4 + ((4/4 + 4)^4 + 4/4) \\
&:= 5 + ((55 + 5^5 + 5)/5) \\
&:= (6 \times 6 \times (6 + 6 + 6)) - 6 \\
&:= 777 - (((7 + 7)/7)^7 + 7) \\
&:= (8 + 8)/8 + 8 \times (88 - 8) \\
&:= 9 \times 9 \times 9 + (((99 + 9)/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 643 &:= (1+1) \times ((1+1+1) \times 111 - 11) - 1 \\
&:= (22-2)^2 + (22^2+2)/2 \\
&:= 3 + ((3 \times (3+3)^3 - 3) + 3/3) \\
&:= 4 + ((4 \times (4 \times (44-4))) - 4/4) \\
&:= 5 + (((55+5^5+5)+5)/5) \\
&:= 6/6 + ((6 \times 6 \times (6+6+6)) - 6) \\
&:= 7 + ((7 \times (77+7+7)) - 7/7) \\
&:= 88/8 + (8 \times (88-8) - 8) \\
&:= 99 + (((99 \times 99) - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 644 &:= (1+1) \times ((1+1+1) \times 111 - 11) \\
&:= 2 \times (((2^{2+2} + 2)^2) - 2) \\
&:= 3 \times (3+3)^3 - (3/3+3) \\
&:= 4 + (4 \times (4 \times (44-4))) \\
&:= 5 \times 5 + ((5^5 - 5)/5 - 5) \\
&:= 666 - ((66+66)/6) \\
&:= 7 + (7 \times (77+7+7)) \\
&:= 8 \times (88-8) + (8/((8+8)/8)) \\
&:= 99 + (((99 \times 99) + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 645 &:= 1 + (1+1) \times ((1+1+1) \times 111 - 11) \\
&:= (((2+2+2)^{2+2} - 2)/2) - 2 \\
&:= 3 \times (3+3)^3 - 3 \\
&:= 4 + ((4/4+4)^4 + 4 \times 4) \\
&:= 5 \times 5 + (5^5/5 - 5) \\
&:= (6 \times 6 \times 6 \times 6 - 6)/((6+6)/6) \\
&:= 7 + ((7 \times (77+7+7)) + 7/7) \\
&:= 8 + ((8 \times (88-8) - (88/8)) + 8) \\
&:= 9 \times (9 \times 9 - 9) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 646 &:= (1+1) \times (1 + (1+1+1) \times 111 - 11) \\
&:= (2 \times ((2^{2+2} + 2)^2)) - 2 \\
&:= 3/3 + (3 \times (3+3)^3 - 3) \\
&:= 4 + (((4/4+4)^4 + 4 \times 4) + 4/4) \\
&:= 5 + (((55+5^5)/5) + 5) \\
&:= (6 \times 6 \times (6+6+6)) - (6+6)/6 \\
&:= 7 + ((7 \times (77+7+7)) + ((7+7)/7)) \\
&:= 8 + (8 \times (88-8) - ((8+8)/8)) \\
&:= 9 \times (9 \times 9 - 9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 647 &:= (1+1) \times ((1+1) \times (11-1-1))^{1+1} - 1 \\
&:= (((2+2+2)^{2+2} - 2)/2) \\
&:= 3 \times (3+3)^3 - 3/3 \\
&:= ((4+4) \times (4-4/4)^4) - 4/4 \\
&:= ((55+55)+5^5)/5 \\
&:= (6 \times 6 \times (6+6+6)) - 6/6 \\
&:= 7 + ((7 - ((7+7)/7)) \times ((7+7)/7)^7) \\
&:= 8 + (8 \times (88-8) - 8/8) \\
&:= 9 \times (9 \times 9 - 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 648 &:= (1+1) \times ((1+1) \times (11-1-1))^{1+1} \\
&:= 2 \times ((2^{2+2} + 2)^2) \\
&:= 3 \times (3+3)^3 \\
&:= (4+4) \times (4-4/4)^4 \\
&:= 5 \times 5 + (5^5 - 5 - 5)/5 \\
&:= 6 \times 6 \times (6+6+6) \\
&:= 77/7 + (7 \times (77+7+7)) \\
&:= 8 + 8 \times (88-8) \\
&:= 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 649 &:= 11 \times ((11^{1+1} - 1)/(1+1) - 1) \\
&:= (((2+2+2)^{2+2} + 2)/2) \\
&:= 3/3 + 3 \times (3+3)^3 \\
&:= 4 + (((4/4+4)^4 + 4 \times 4) + 4) \\
&:= 5 \times 5 + (5^5 - 5)/5 \\
&:= 6/6 + (6 \times 6 \times (6+6+6)) \\
&:= 777 - ((7+7)/7)^7 \\
&:= 8 + (8 \times (88-8) + 8/8) \\
&:= 9/9 + 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 650 &:= 1 + 11 \times ((11^{1+1} - 1)/(1+1) - 1) \\
&:= 2 + (2 \times ((2^{2+2} + 2)^2)) \\
&:= 3 + (3 \times (3+3)^3 - 3/3) \\
&:= (44-4)/4 \times (4^4+4)/4 \\
&:= 5 \times (5 \times 5 \times 5 + 5) \\
&:= 666 + (((6-66)/6) - 6) \\
&:= 7 \times 77 + 777/7 \\
&:= 8 + (8 \times (88-8) + ((8+8)/8)) \\
&:= (9+9)/9 + 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 651 &:= (1+1+1) \times ((1+1) \times (111-1-1) - 1) \\
&:= 2 + (((2+2+2)^{2+2} + 2)/2) \\
&:= 3 + 3 \times (3+3)^3 \\
&:= 44/4 + (4 \times (4 \times (44-4))) \\
&:= 5 \times 5 + (5^5+5)/5 \\
&:= (6 \times 6 \times 6 \times 6 + 6)/((6+6)/6) \\
&:= 7 + ((7 \times (77+7+7)) + 7) \\
&:= 88/8 + 8 \times (88-8) \\
&:= 9 \times (9 \times 9 - 9) + ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 652 &:= (1+1) \times ((1+1+1) \times (111-1-1) - 1) \\
&:= 2 \times (((2^{2+2} + 2)^2) + 2) \\
&:= 3 + (3 \times (3+3)^3 + 3/3) \\
&:= 4 + ((4+4) \times (4-4/4)^4) \\
&:= 5 \times 5 + (5^5 + 5 + 5)/5 \\
&:= 666 - ((6+6)/6 + 6+6) \\
&:= 7 + (((7 \times (77+7+7)) + 7/7) + 7) \\
&:= ((88+8)/8) + 8 \times (88-8) \\
&:= 9 \times (9 \times 9 - 9) + ((9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 653 &:= (11^{1+1+1} - 1)/(1+1) - 1 - 11 \\
&:= 22^2 + ((22/2+2)^2) \\
&:= 3 + ((3 \times (3+3)^3 - 3/3) + 3) \\
&:= 44 + ((4/4+4)^4 - 4 \times 4) \\
&:= 5 + ((5^5 - 5 - 5)/5 + 5 \times 5) \\
&:= 666 - (6/6+6+6) \\
&:= 7 \times 77 + (((7+7)/7)^7 - (7+7)) \\
&:= 88 + (8 \times (8 \times 8 + 8) - 88/8) \\
&:= 9 \times (9 \times 9 - 9) + ((9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 654 &:= (1+1) \times ((1+1+1) \times (111-1-1)) \\
&:= ((22+2+2)^2) - 22 \\
&:= 3 + (3 \times (3+3)^3 + 3) \\
&:= 4 + ((44-4)/4 \times (4^4+4)/4) \\
&:= 5 + ((5^5 - 5)/5 + 5 \times 5) \\
&:= 666 - 6 - 6 \\
&:= 77 + (7 \times (77+7) - (77/7)) \\
&:= 8 + ((8 \times (88-8) - ((8+8)/8)) + 8) \\
&:= 9 + (9 \times (9 \times 9 - 9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 655 &:= (1+1) \times (1+1+1) \times 111 - 11 \\
&:= 2 + (((22/2+2)^2) + 22^2) \\
&:= 3 + ((3 \times (3+3)^3 + 3/3) + 3) \\
&:= (4 \times (4 \times (44-4) + 4)) - 4/4 \\
&:= 5 + (5^5/5 + 5 \times 5) \\
&:= 666 - 66/6 \\
&:= 7 + ((7 \times (77+7+7)) + (77/7)) \\
&:= 8 + ((8 \times (88-8) - 8/8) + 8) \\
&:= 9 + (9 \times (9 \times 9 - 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 656 &:= 1 + ((1+1) \times (1+1+1) \times 111 - 11) \\
&:= 2 + (((22+2+2)^2) - 22) \\
&:= (3 \times ((3+3)^3 + 3)) - 3/3 \\
&:= 4 \times (4 \times (44-4) + 4) \\
&:= 5 + ((5^5+5)/5 + 5 \times 5) \\
&:= 666 + (6-66)/6 \\
&:= 7 + (777 - ((7+7)/7)^7) \\
&:= 8 + (8 \times (88-8) + 8) \\
&:= 9 + (9 \times (9 \times 9 - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 657 &:= (1+1+1) \times (((1+1) \times (111-1)) - 1) \\
&:= (2/2+2) \times (222 - (2/2+2)) \\
&:= 3 \times ((3+3)^3 + 3) \\
&:= 4 \times (4+4) + (4/4+4)^4 \\
&:= 5^5/5 + ((5+5)/5)^5 \\
&:= 666 + (((6-66)+6)/6) \\
&:= 7 + (777/7 + 7 \times 77) \\
&:= 8 + ((8 \times (88-8) + 8/8) + 8) \\
&:= 9 + 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 658 &:= (1+1) \times (((1+1+1) \times (111-1)) - 1) \\
&:= (22 \times (2 \times (2+2) + 22)) - 2 \\
&:= 3/3 + (3 \times ((3+3)^3 + 3)) \\
&:= 44 + ((4/4+4)^4 - 44/4) \\
&:= (5^5 + 5)/5 + ((5+5)/5)^5 \\
&:= 666 - ((6+6)/6 + 6) \\
&:= 77 + (7 \times (77+7) - 7) \\
&:= 8 + ((8 \times (88-8) + ((8+8)/8)) + 8) \\
&:= 9 + (9 \times (9 \times 9 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 659 &:= ((1+1) \times ((1+1+1) \times (111-1))) - 1 \\
&:= (((2+2+2)^{2+2}) + 22)/2 \\
&:= 33/3 + 3 \times (3+3)^3 \\
&:= 4 \times 4 \times 44 - (44 + 4/4) \\
&:= ((55 \times (55+5)) - 5)/5 \\
&:= 666 - 6/6 - 6 \\
&:= 777 - (777/7 + 7) \\
&:= 8 + (8 \times (88-8) + (88/8)) \\
&:= 99/9 + 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 660 &:= (1+1) \times ((1+1+1) \times (111-1)) \\
&:= 22 \times (2 \times (2+2) + 22) \\
&:= 3 + (3 \times ((3+3)^3 + 3)) \\
&:= 44 \times (44/4 + 4) \\
&:= 55 \times ((55+5)/5) \\
&:= 666 - 6 \\
&:= 7 \times 77 + (((7+7)/7)^7 - 7) \\
&:= 8 \times 88 - (88/((8+8)/8)) \\
&:= 9 \times (9 \times 9 - 9) + (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 661 &:= 1 + ((1+1) \times ((1+1+1) \times (111-1))) \\
&:= 2 + (((2+2+2)^{2+2}) + 22)/2 \\
&:= 3 + ((3 \times ((3+3)^3 + 3)) + 3/3) \\
&:= 4 + ((4/4+4)^4 + 4 \times (4+4)) \\
&:= 5 \times 5 + ((55+5^5)/5) \\
&:= 6/6 + (666-6) \\
&:= 7 \times 77 + (777+77)/7 \\
&:= ((88+8) \times (8-8/8)) - 88/8 \\
&:= 9 \times (9 \times 9 - 9) + ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 662 &:= (1+1) \times (1 + ((1+1+1) \times (111-1))) \\
&:= 2 + (22 \times (2 \times (2+2) + 22)) \\
&:= 3 + (3 \times (3+3)^3 + 33/3) \\
&:= (4+4)/4 + (44 \times (44/4 + 4)) \\
&:= 5 + (((5+5)/5)^5 + 5^5/5) \\
&:= 666 + ((6+6)/6 - 6) \\
&:= 7 + (((7 \times (77+7+7)) + (77/7)) + 7) \\
&:= 88 + (8 \times (8 \times 8 + 8) - (8+8)/8) \\
&:= 9 + (((9 \times 9 + 9)/(9+9)) + 9 \times (9 \times 9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 663 &:= (1+1+1) \times ((1+1) \times 111 - 1) \\
&:= 222 + ((22-2/2)^2) \\
&:= 3 + ((3 \times ((3+3)^3 + 3)) + 3) \\
&:= 4 + 4 \times 4 \times 44 - (44 + 4/4) \\
&:= 5 + ((5^5 + 5)/5 + ((5+5)/5)^5) \\
&:= 666 - 6 \times 6/(6+6) \\
&:= 7 + ((777 - ((7+7)/7)^7) + 7) \\
&:= 88 + (8 \times (8 \times 8 + 8) - 8/8) \\
&:= 9 + ((9 \times (9 \times 9 - 9) - ((9+9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 664 &:= (1+1) \times ((1+1+1) \times 111 - 1) \\
&:= ((2/2+2) \times 222) - 2 \\
&:= (3-3/3) \times (333-3/3) \\
&:= 4 + (44 \times (44/4 + 4)) \\
&:= 5 + (((55 \times (55+5)) - 5)/5) \\
&:= 666 - (6+6)/6 \\
&:= 77 + (7 \times (77+7) - 7/7) \\
&:= 88 + 8 \times (8 \times 8 + 8) \\
&:= (9-9/9) \times (((9+9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 665 &:= (11^{1+1+1} - 1)/(1+1) \\
&:= ((22+2+2)^2) - 22/2 \\
&:= 3^{3+3} - ((3/3+3)^3) \\
&:= 44 + ((4/4+4)^4 - 4) \\
&:= 5 + (55 \times ((55+5)/5)) \\
&:= 666 - 6/6 \\
&:= 77 + 7 \times (77+7) \\
&:= 8/8 + (8 \times (8 \times 8 + 8) + 88) \\
&:= 9 + ((9 \times (9 \times 9 - 9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 666 &:= (1+1) \times (1+1+1) \times 111 \\
&:= (2/2+2) \times 222 \\
&:= 3 \times (((3+3)^3 + 3) + 3) \\
&:= ((4+4)/4 + 4) \times 444/4 \\
&:= 555 + 555/5 \\
&:= 666 \\
&:= (7-7/7) \times 777/7 \\
&:= (8-(8+8)/8) \times 888/8 \\
&:= 9 + (9 \times (9 \times 9 - 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 667 &:= 1 + (1+1) \times (1+1+1) \times 111 \\
&:= 2/2 + ((2/2+2) \times 222) \\
&:= (((3+3) \times 333) + 3)/3 \\
&:= 4444/4 - 444 \\
&:= 555 + (555+5)/5 \\
&:= 6/6 + 666 \\
&:= 7 \times 77 + ((7+7)/7)^7 \\
&:= 8 + ((8 \times (88-8) + (88/8)) + 8) \\
&:= 9 + ((9 \times (9 \times 9 - 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 668 &:= (1+1) \times (1 + (1+1+1) \times 111) \\
&:= 2 + ((2/2+2) \times 222) \\
&:= 3 + (3^{3+3} - ((3/3+3)^3)) \\
&:= (4 \times ((4 \times 44) - (4+4))) - 4 \\
&:= 55 + ((5^5 - (55+5))/5) \\
&:= 666 + (6+6)/6 \\
&:= (7 \times 7 \times (7+7)) - (77/7 + 7) \\
&:= 8 + (8 \times 88 - (88/((8+8)/8))) \\
&:= 9 + (9 \times (9 \times 9 - 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 669 &:= (1+1+1) \times (1 + (1+1) \times 111) \\
&:= (2/2+2) \times (222+2/2) \\
&:= 3 + (333+333) \\
&:= 44 + (4/4+4)^4 \\
&:= 55 + ((5^5 - 55)/5) \\
&:= 666 + (6 \times 6/(6+6)) \\
&:= ((7-77)/7) + ((7 \times 7 \times (7+7)) - 7) \\
&:= 8 \times 88 - ((88/8+8+8) + 8) \\
&:= 9 + (9 \times (9 \times 9 - 9) + ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 670 &:= 1 + ((1+1+1) \times (1 + (1+1) \times 111)) \\
&:= 2 + (((2/2+2) \times 222) + 2) \\
&:= 3 + (((3+3) \times 333) + 3)/3 \\
&:= 44 + ((4/4+4)^4 + 4/4) \\
&:= 55 + (5^5/5 - (5+5)) \\
&:= 6 + (666 - ((6+6)/6)) \\
&:= ((7+7)/7) \times (7 \times 7 \times 7 - (7/7+7)) \\
&:= ((88+8) \times (8-8/8)) - (8+8)/8 \\
&:= 9 \times (9 \times 9 - 9) + ((99+99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 671 &:= 11 \times ((1+11^{1+1})/(1+1)) \\
&:= 2 + ((2/2+2) \times (222+2/2)) \\
&:= 33/3 \times (((3/3+3)^3) - 3) \\
&:= 44/4 \times ((4^4+4)/4 - 4) \\
&:= 5 + (555/5 + 555) \\
&:= 6 + (666 - 6/6) \\
&:= (7 \times 7 \times (7+7)) - (7/7+7+7) \\
&:= ((88+8) \times (8-8/8)) - 8/8 \\
&:= 99/9 \times (9 \times 9 - (99/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 672 &:= (1+1) \times ((1+1+1) \times (1+111)) \\
&:= (2/2+2) \times (222+2) \\
&:= 3^3 + (3 \times (3+3)^3 - 3) \\
&:= 4 \times ((4 \times 44) - (4+4)) \\
&:= (5/5+5) \times (555+5)/5 \\
&:= 6 + 666 \\
&:= (7+7) \times (7 \times 7 - 7/7) \\
&:= (88+8) \times (8-8/8) \\
&:= (9-9/9) \times (((9+9+9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 673 &:= 1 + ((1+1) \times ((1+1+1) \times (1+111))) \\
&:= ((22+2+2)^2) - 2/2 - 2 \\
&:= (3^3 - 3/3)^{3-3/3} - 3 \\
&:= 4 + ((4/4+4)^4 + 44) \\
&:= 55 + ((5^5 - 5 - 5)/5 - 5) \\
&:= 6 + (666 + 6/6) \\
&:= 7 + ((7 - 7/7) \times 777/7) \\
&:= 8/8 + ((88+8) \times (8 - 8/8)) \\
&:= 9 + ((9 - 9/9) \times ((9+9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 674 &:= (1+1) \times (1 + ((1+1+1) \times (1+111))) \\
&:= ((22+2+2)^2) - 2 \\
&:= 3^3 + (3 \times (3+3)^3 - 3/3) \\
&:= 4 + (((4/4+4)^4 + 44) + 4/4) \\
&:= 55 + ((5^5 - 5)/5 - 5) \\
&:= 6 + (666 + ((6+6)/6)) \\
&:= 7 + (((7+7)/7)^7 + 7 \times 77) \\
&:= 8 + ((8 - (8+8)/8) \times 888/8) \\
&:= 9 \times (9+9) + (((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 675 &:= (((1+1) \times (1 + (1+11)))^{1+1}) - 1 \\
&:= ((22+2+2)^2) - 2/2 \\
&:= 3 \times ((3+3)^3 + 3 \times 3) \\
&:= (44/4+4) \times (44+4/4) \\
&:= 5 \times ((5 \times 5 \times 5 + 5) + 5) \\
&:= 6 + ((6 \times 6/(6+6)) + 666) \\
&:= (7 \times 7 \times (7+7)) - 77/7 \\
&:= (8/8+8) \times (88/8+8 \times 8) \\
&:= 9 + ((9 \times (9 \times 9 - 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 676 &:= ((1+1) \times (1 + (1+11)))^{1+1} \\
&:= (22+2+2)^2 \\
&:= (3^3 - 3/3)^{3-3/3} \\
&:= 4 + (4 \times ((4 \times 44) - (4+4))) \\
&:= 55 + ((5^5 + 5)/5 - 5) \\
&:= 666 + (66 - 6)/6 \\
&:= ((7 - 77)/7) + (7 \times 7 \times (7+7)) \\
&:= 8 \times 88 + ((8 - 8 \times 8)/(8+8)/8) \\
&:= (((9 - 9/9) + 9) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 677 &:= 1 + (((1+1) \times (1 + (1+11)))^{1+1}) \\
&:= 2/2 + ((22+2+2)^2) \\
&:= (((3+3) \times 333) + 33)/3 \\
&:= 4 + (((4/4+4)^4 + 44) + 4) \\
&:= 55 + ((5^5 + 5 + 5)/5 - 5) \\
&:= 666 + 66/6 \\
&:= (7 \times 7 \times (7+7)) - ((7+7)/7 + 7) \\
&:= 8 \times 88 - (88/8 + 8 + 8) \\
&:= 9 + ((9 \times (9 \times 9 - 9) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 678 &:= 1 + (1 + (((1+1) \times (1 + (1+11)))^{1+1})) \\
&:= 2 + ((22+2+2)^2) \\
&:= 3 + (3 \times (3+3)^3 + 3^3) \\
&:= (4 - 44)/4 + (4 \times ((4 \times 44) - 4)) \\
&:= 55 + (5^5 - 5 - 5)/5 \\
&:= 6 + (666 + 6) \\
&:= (7 \times 7 \times (7+7)) - (7/7 + 7) \\
&:= 8 \times 88 + ((8 - 88)/8 - (8+8)) \\
&:= 999/9 + (9 \times (9 \times 9 - (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 679 &:= (((1+1)^{11}) - 11)/(1+1+1) \\
&:= 2 + (((22+2+2)^2) + 2/2) \\
&:= 3 + ((3^3 - 3/3)^{3-3/3}) \\
&:= 4 + (44/4+4) \times (44+4/4) \\
&:= 55 + (5^5 - 5)/5 \\
&:= 6 + (666 + 6/6 + 6) \\
&:= (7 \times 7 \times (7+7)) - 7 \\
&:= 8 \times 88 - (8/8 + 8 + 8 + 8) \\
&:= 9 \times 9 \times 9 - ((9 \times 99 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 680 &:= 1 + (((1+1)^{11}) - 11)/(1+1+1) \\
&:= 2 + (((22+2+2)^2) + 2) \\
&:= 33 + (3 \times (3+3)^3 - 3/3) \\
&:= (4+4) \times ((4 - 4/4)^4 + 4) \\
&:= 55 + 5^5/5 \\
&:= 6 + ((666 + ((6+6)/6)) + 6) \\
&:= 7/7 + ((7 \times 7 \times (7+7)) - 7) \\
&:= 8 \times 88 - 8 - 8 - 8 \\
&:= 9 \times 9 \times 9 + ((9 - 9 \times 99)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 681 &:= ((1 + ((1+1)^{11}))/ (1+1+1)) - 1 - 1 \\
&:= 2 + (((22+2+2)^2) + 2/2) + 2) \\
&:= 33 + 3 \times (3+3)^3 \\
&:= 4 + (((4/4+4)^4 + 44) + 4) + 4) \\
&:= 55 + (5^5 + 5)/5 \\
&:= 66 \times (6+6) - 666/6 \\
&:= ((7+7)/7) + ((7 \times 7 \times (7+7)) - 7) \\
&:= 8/8 + (8 \times 88 - (8+8+8)) \\
&:= 9 \times 99 - (999/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 682 &:= (((1+1)^{11}) - (1+1))/(1+1+1) \\
&:= 2 + (((22+2+2)^2) + 2) + 2) \\
&:= 3/3 + (3 \times (3+3)^3 + 33) \\
&:= 44/4 \times ((4^4 - 4 - 4)/4) \\
&:= 55 + (5^5 + 5 + 5)/5 \\
&:= 6 + ((66 - 6)/6 + 666) \\
&:= 7 + ((7 \times 7 \times (7+7)) - (77/7)) \\
&:= 8 \times 88 - (88/8 + 8 + 8) \\
&:= 99/9 \times (9 \times 9 - (9/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 683 &:= (1 + ((1+1)^{11}))/ (1+1+1) \\
&:= 22^2 + (((22-2)^2 - 2)/2) \\
&:= ((33/3)^3) - 3 \times (3+3)^3 \\
&:= (4 \times ((4 \times 44) - 4)) - (4/4 + 4) \\
&:= 5 + ((5^5 - 5 - 5)/5 + 55) \\
&:= 6 + (666 + (66/6)) \\
&:= (7 \times 7 \times (7+7)) - (7+7+7)/7 \\
&:= 8 + ((8/8+8) \times (88/8+8 \times 8)) \\
&:= 9 + (((9+9)/9)^9) + 9 \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 684 &:= 1 + ((1 + ((1+1)^{11}))/ (1+1+1)) \\
&:= 2 \times (2 \times (((22/2+2)^2) + 2)) \\
&:= 3 + (3 \times (3+3)^3 + 33) \\
&:= (4 \times ((4 \times 44) - 4)) - 4 \\
&:= 5 + ((5^5 - 5)/5 + 55) \\
&:= 6 + ((666 + 6) + 6) \\
&:= (7 \times 7 \times (7+7)) - (7+7)/7 \\
&:= 8 \times 88 - (((88+8)/8) + 8) \\
&:= (99 \times (9 - ((9+9)/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 685 &:= 1 + (1 + ((1 + ((1+1)^{11}))/ (1+1+1))) \\
&:= 22/2 + (((22+2+2)^2) - 2) \\
&:= 3^{3+3} - (33/3 + 33) \\
&:= 4 \times 4 + ((4/4+4)^4 + 44) \\
&:= 5 + (5^5/5 + 55) \\
&:= 6 + ((666 + 6/6 + 6) + 6) \\
&:= (7 \times 7 \times (7+7)) - 7/7 \\
&:= 8 \times 88 - (88/8 + 8) \\
&:= 9 + (((9 - 9/9) + 9) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 686 &:= (11 + (((1+1)^{11}) - 11))/ (1+1+1) \\
&:= 2 \times ((22/2)^2 + 222) \\
&:= (3 - 3/3) \times (((3/3+3) + 3)^3) \\
&:= (4 \times ((4 \times 44) - 4)) - (4+4)/4 \\
&:= 5 + ((5^5 + 5)/5 + 55) \\
&:= 6 + (((666 + ((6+6)/6)) + 6) + 6) \\
&:= 7 \times 7 \times (7+7) \\
&:= 8 \times 88 + ((8 - 88)/8 - 8) \\
&:= (99 - 9/9) \times (9 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 687 &:= 11 + (((1+1) \times (1 + (1+11)))^{1+1}) \\
&:= 22/2 + ((22+2+2)^2) \\
&:= 3^{3+3} - (3 \times 3 + 33) \\
&:= (4 \times ((4 \times 44) - 4)) - 4/4 \\
&:= 5 + ((5^5 + 5 + 5)/5 + 55) \\
&:= ((6 \times 6/(6+6))^6) - (6 \times 6 + 6) \\
&:= 7/7 + (7 \times 7 \times (7+7)) \\
&:= 8 \times 88 - (8/8 + 8 + 8) \\
&:= 9 + ((9 \times (9 \times 9 - (9+9))) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 688 &:= (1+1) \times (11 + (1+1+1) \times 111) \\
&:= 2 \times (2 \times (2 \times (2 \times 2 \times 22 - 2))) \\
&:= 3 + (3^{3+3} - (33/3 + 33)) \\
&:= 4 \times ((4 \times 44) - 4) \\
&:= (5 \times 5 \times 5 \times 55 + 5) / (5 + 5) \\
&:= 666 + ((66 + 66) / 6) \\
&:= ((7 + 7) / 7) + (7 \times 7 \times (7 + 7)) \\
&:= 8 \times 88 - 8 - 8 \\
&:= 9 \times 9 \times 9 - ((9 \times 9 \times 9 + 9) / (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 689 &:= 1 + ((1+1) \times (11 + (1+1+1) \times 111)) \\
&:= 2 + (((22+2+2)^2) + 22/2) \\
&:= 3 + ((3-3/3) \times (((3/3+3) + 3)^3)) \\
&:= 4/4 + (4 \times ((4 \times 44) - 4)) \\
&:= 5 + (((5^5 - 5) / 5 + 55) + 5) \\
&:= 6 + ((666 + (66/6)) + 6) \\
&:= 777 - (77/7 + 77) \\
&:= 8/8 + (8 \times 88 - (8 + 8)) \\
&:= 9 \times 9 \times 9 + ((9 - 9 \times 9 \times 9) / (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 690 &:= 11 + (((1+1)^{11}) - 11) / (1+1+1) \\
&:= 2 + (((2/2+2) \times 222) + 22) \\
&:= 33 + (3 \times ((3+3)^3 + 3)) \\
&:= (4+4)/4 + (4 \times ((4 \times 44) - 4)) \\
&:= 5 + ((5^5 / 5 + 55) + 5) \\
&:= 6 + (((666 + 6) + 6) + 6) \\
&:= 77/7 + ((7 \times 7 \times (7 + 7)) - 7) \\
&:= (8 + 8) / 8 + (8 \times 88 - (8 + 8)) \\
&:= (9/9 + 9) \times (9 \times 9 - ((99 + 9) / 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 691 &:= ((1+1)^{11-1}) - (1+1+1) \times 111 \\
&:= 2 + (((22+2+2)^2) + 22/2) + 2) \\
&:= 3^{3+3} - (33/3 + 3^3) \\
&:= 4 + ((4 \times ((4 \times 44) - 4)) - 4/4) \\
&:= 55 + ((55 + 5^5) / 5) \\
&:= 6 \times 6 + (666 - 66/6) \\
&:= 7 + ((7 \times 7 \times (7 + 7)) - ((7 + 7) / 7)) \\
&:= 8 \times 88 - (88 + 8 + 8) / 8 \\
&:= 9 \times 9 \times 9 - ((99/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 692 &:= (11 \times ((1+1+1) \times (11 + (11-1)))) - 1 \\
&:= 2 \times (((2^{2+2} + 2)^2) + 22) \\
&:= 3^{3+3} - (3/3 + 33 + 3) \\
&:= 4 + (4 \times ((4 \times 44) - 4)) \\
&:= 55 + ((55 + 5^5 + 5) / 5) \\
&:= 6 \times 6 + (((6 - 66) / 6) + 666) \\
&:= 7 + ((7 \times 7 \times (7 + 7)) - 7/7) \\
&:= 8 \times 88 - (88 + 8) / 8 \\
&:= 99 + (((9 + 9) / 9)^9) + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 693 &:= 11 \times ((1+1+1) \times (11 + (11-1))) \\
&:= (2/2 + 2) \times ((22^2 - 22) / 2) \\
&:= 33 \times ((3 \times (3 + 3)) + 3) \\
&:= 44/4 \times ((4^4 - 4) / 4) \\
&:= 5 + ((5 \times 5 \times 5 \times 55 + 5) / (5 + 5)) \\
&:= ((6 \times 6 / (6 + 6))^6) - 6 \times 6 \\
&:= 7 + (7 \times 7 \times (7 + 7)) \\
&:= 8 \times 88 - 88/8 \\
&:= 99 \times (9 - ((9 + 9) / 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 694 &:= 11 + ((1 + ((1+1)^{11})) / (1+1+1)) \\
&:= 2 + (((22+2+2)^2) + 2^{2+2}) \\
&:= 3/3 + (33 \times ((3 \times (3 + 3)) + 3)) \\
&:= (4 - 44) / 4 + 4 \times 4 \times 44 \\
&:= 5 + (((5^5 - 5) / 5 + 55) + 5) + 5) \\
&:= 6 + (((66 + 66) / 6) + 666) \\
&:= 7 + ((7 \times 7 \times (7 + 7)) + 7/7) \\
&:= 8 \times 88 + (8 - 88) / 8 \\
&:= 9/9 + (99 \times (9 - ((9 + 9) / 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 695 &:= 1 + 11 + (1 + (1+1)^{11}) / (1+1+1) \\
&:= 222 + (22^2 - 22/2) \\
&:= 3^{3+3} - (3/3 + 33) \\
&:= 4^4 + (444 - (4/4 + 4)) \\
&:= 5 \times 5 \times (5 \times 5 + 5) - 55 \\
&:= 6 \times 6 + (666 - 6/6 - 6) \\
&:= 7 + ((7 \times 7 \times (7 + 7)) + ((7 + 7) / 7)) \\
&:= 8 \times 88 - (8/8 + 8) \\
&:= 9 + ((99 - 9/9) \times (9 - ((9 + 9) / 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 696 &:= (1+1+1) \times (111 + 11^{1+1}) \\
&:= 2 \times (2 \times ((2 \times 2 \times 2 \times 22) - 2)) \\
&:= 3^{3+3} - 33 \\
&:= 4^4 + (444 - 4) \\
&:= 5 + (((55 + 5^5) / 5) + 55) \\
&:= 6 \times 6 + (666 - 6) \\
&:= (7 \times 7 \times (7 + 7)) + (77 - 7) / 7 \\
&:= 8 \times 88 - 8 \\
&:= (9 - 9/9) \times (99 - ((99 + 9) / 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 697 &:= 1 + (1+1+1) \times (111 + 11^{1+1}) \\
&:= (22/2)^2 + ((22+2)^2) \\
&:= 3/3 + (3^{3+3} - 33) \\
&:= 4 + (44/4 \times ((4^4 - 4) / 4)) \\
&:= 5 + (((55 + 5^5 + 5) / 5) + 55) \\
&:= 6 \times 6 + ((666 - 6) + 6/6) \\
&:= 77/7 + (7 \times 7 \times (7 + 7)) \\
&:= 8/8 + (8 \times 88 - 8) \\
&:= 9 + (9 \times 9 \times 9 - ((9 \times 9 \times 9 + 9) / (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 698 &:= (1+1+1) \times (11 + (1+1) \times 111) - 1 \\
&:= 22 + ((22+2+2)^2) \\
&:= 3 + (3^{3+3} - (3/3 + 33)) \\
&:= 4^4 + (444 - (4+4)/4) \\
&:= (5 \times (5+5+5)) + (5^5 - 5 - 5) / 5 \\
&:= ((66/6) \times ((6+6)/6)^6) - 6 \\
&:= 777 - ((7+7)/7 + 77) \\
&:= (8+8)/8 + (8 \times 88 - 8) \\
&:= 9 \times 9 \times 9 - (((99+99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 699 &:= (1+1+1) \times (11 + (1+1) \times 111) \\
&:= 2 + ((22/2)^2 + ((22+2)^2)) \\
&:= 3 + (3^{3+3} - 33) \\
&:= 4^4 + (444 - 4/4) \\
&:= (5^5 - 5) / 5 + (5 \times (5 + 5 + 5)) \\
&:= 6 + (((6 \times 6 / (6 + 6))^6) - 6 \times 6) \\
&:= 777 - (7/7 + 77) \\
&:= 88/8 + (8 \times 88 - (8 + 8)) \\
&:= 9 \times (9 \times 9 + 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 700 &:= 1 + (1+1+1) \times (11 + (1+1) \times 111) \\
&:= 2 \times ((22 \times 2^{2+2}) - 2) \\
&:= 3 + ((3^{3+3} - 33) + 3/3) \\
&:= 4^4 + 444 \\
&:= 5 \times (((5 \times 5 \times 5 + 5) + 5) + 5) \\
&:= 6 \times 6 + (666 - ((6+6)/6)) \\
&:= 777 - 77 \\
&:= 8 \times 88 - (8 / ((8 + 8) / 8)) \\
&:= (9/9 + 9) \times (9 \times 9 - 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 701 &:= 1 + 1 + (1+1+1) \times (11 + (1+1) \times 111) \\
&:= 2/2 + (2 \times ((22 \times 2^{2+2}) - 2)) \\
&:= 3^{3+3} - (3^3 + 3/3) \\
&:= 4/4 + (444 + 4^4) \\
&:= (5^5 + 5) / 5 + (5 \times (5 + 5 + 5)) \\
&:= 6 \times 6 + (666 - 6/6) \\
&:= 7/7 + (777 - 77) \\
&:= 8 + (8 \times 88 - (88/8)) \\
&:= 9 \times 9 \times 9 - ((9/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 702 &:= (1+1) \times ((11 \times ((11 \times (1+1+1)) - 1)) - 1) \\
&:= (2 \times (22 \times 2^{2+2})) - 2 \\
&:= 3^{3+3} - 3^3 \\
&:= 4 \times 4 \times 44 - (4 + 4) / 4 \\
&:= 55 + (((55 + 55) + 5^5) / 5) \\
&:= 6 \times 6 + 666 \\
&:= ((7 + 7) / 7) + (777 - 77) \\
&:= 8 \times 88 - (8 + 8) / 8 \\
&:= 9 \times 9 \times 9 - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 703 &:= (11 \times ((1+1)^{(1+1) \times (1+1+1)})) - 1 \\
&:= (2 \times (22 \times 2^{2+2})) - 2/2 \\
&:= 3/3 + (3^{3+3} - 3^3) \\
&:= 4 \times 4 \times 44 - 4/4 \\
&:= 5 \times 5 + ((5^5 - 5 - 5)/5 + 55) \\
&:= 6 \times 6 + (666 + 6/6) \\
&:= 7 + ((7 \times 7 \times (7+7)) + ((77 - 7)/7)) \\
&:= 8 \times 88 - 8/8 \\
&:= 9/9 + (9 \times 9 \times 9 - (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 704 &:= 11 \times ((1+1)^{(1+1) \times (1+1+1)}) \\
&:= 2 \times (22 \times 2^{2+2}) \\
&:= 33/3 \times ((3/3 + 3)^3) \\
&:= 4 \times (4 \times 44) \\
&:= 5 \times 5 + ((5^5 - 5)/5 + 55) \\
&:= (66/6) \times ((6+6)/6)^6 \\
&:= 7 + ((7 \times 7 \times (7+7)) + (77/7)) \\
&:= 8 \times 88 \\
&:= (9 - 9/9) \times (99 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 705 &:= 1 + 11 \times ((1+1)^{(1+1) \times (1+1+1)}) \\
&:= 2/2 + (2 \times (22 \times 2^{2+2})) \\
&:= 3 + (3^{3+3} - 3^3) \\
&:= 4/4 + 4 \times 4 \times 44 \\
&:= 5 \times 5 + (5^5/5 + 55) \\
&:= ((66 \times ((6+6)/6)^6) + 6)/6 \\
&:= 7 + ((7 \times 7 \times (7+7)) + (77+7)/7) \\
&:= 8/8 + 8 \times 88 \\
&:= 9 + ((9 - 9/9) \times (99 - ((99+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 706 &:= 1 + 1 + 11 \times ((1+1)^{(1+1) \times (1+1+1)}) \\
&:= 222 + 22^2 \\
&:= 3 + ((3^{3+3} - 3^3) + 3/3) \\
&:= (4+4)/4 + 4 \times 4 \times 44 \\
&:= 5 \times 5 + ((5^5 + 5)/5 + 55) \\
&:= 6 + ((666 - ((6+6)/6)) + 6 \times 6) \\
&:= 7 + (777 - (7/7 + 77)) \\
&:= (8+8)/8 + 8 \times 88 \\
&:= 9 \times 9 \times 9 - ((99+99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 707 &:= (11 - 1 - 1)^{1+1+1} - 11 - 11 \\
&:= 2/2 + (222 + 22^2) \\
&:= 3 + (33/3 \times ((3/3 + 3)^3)) \\
&:= 4 + 4 \times 4 \times 44 - 4/4 \\
&:= 5 \times 5 + ((5^5 + 5 + 5)/5 + 55) \\
&:= 6 + ((666 - 6/6) + 6 \times 6) \\
&:= 7 + (777 - 77) \\
&:= 88/8 + (8 \times 88 - 8) \\
&:= 9 \times 9 \times 9 - ((99+99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 708 &:= (1 + 11) \times ((11^{1+1} - 1)/(1+1) - 1) \\
&:= 2 + (222 + 22^2) \\
&:= 3 + ((3^{3+3} - 3^3) + 3) \\
&:= 4 + 4 \times 4 \times 44 \\
&:= ((55 + 5)/5) \times (55 - 5/5 + 5) \\
&:= 6 + (666 + 6 \times 6) \\
&:= 7 + ((777 - 77) + 7/7) \\
&:= 8 \times 88 + (8/((8+8)/8)) \\
&:= 9 \times 9 \times 9 - (((99+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 709 &:= 11 \times 111 - (1+1)^{11-1-1} \\
&:= 2 + ((222 + 22^2) + 2/2) \\
&:= 3^{3+3} - (33/3 + 3 \times 3) \\
&:= 4 + 4 \times 4 \times 44 + 4/4 \\
&:= 5 + (((5^5 - 5)/5 + 55) + 5 \times 5) \\
&:= 6 + ((666 + 6/6) + 6 \times 6) \\
&:= 7 + (((7+7)/7 - 77) + 777) \\
&:= 8 + ((8 \times 88 - (88/8)) + 8) \\
&:= 9 \times 9 \times 9 - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 710 &:= (11 - 1) \times ((1+11)^{1+1}/(1+1) - 1) \\
&:= 2 + ((222 + 22^2) + 2) \\
&:= 3^{3+3} - ((3 \times (3+3)) + 3/3) \\
&:= 4 + 4 \times 4 \times 44 + (4+4)/4 \\
&:= 5 + ((5^5/5 + 55) + 5 \times 5) \\
&:= 6 + ((66/6) \times ((6+6)/6)^6) \\
&:= 777 + (((77 - 7)/7) - 77) \\
&:= 8 + (8 \times 88 - ((8+8)/8)) \\
&:= 9 \times 9 \times 9 - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 711 &:= 1111 - ((1+1) \times (11 - 1))^{1+1} \\
&:= (2222/2) - (22 - 2)^2 \\
&:= 3^{3+3} - (3 \times (3+3)) \\
&:= 4 + (4 \times 4 \times 44 - 4/4) + 4 \\
&:= ((555 + 5^5)/5) - 5 \times 5 \\
&:= ((6 \times 6/(6+6))^6) - 6 - 6 - 6 \\
&:= 77/7 + (777 - 77) \\
&:= 8 + (8 \times 88 - 8/8) \\
&:= 9 \times 9 \times 9 - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 712 &:= 1 + (1111 - (((1+1) \times (11 - 1))^{1+1})) \\
&:= 2 \times (((22 \times 2^{2+2}) + 2) + 2) \\
&:= 3/3 + (3^{3+3} - (3 \times (3+3))) \\
&:= 4 + 4 \times 4 \times 44 + 4 \\
&:= 55 + (((5+5)/5)^5 + 5^5/5) \\
&:= 6 \times 6 + ((66 - 6)/6 + 666) \\
&:= 777 + ((77+7)/7 - 77) \\
&:= 8 + 8 \times 88 \\
&:= 9/9 + (9 \times 9 \times 9 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 713 &:= (1 + (11 + 11)) \times (1 + ((11 - 1) \times (1 + 1 + 1))) \\
&:= ((2/2 + 2)^{2+2+2}) - 2^{2+2} \\
&:= 3^{3+3} + (33/3 - 3^3) \\
&:= 4 + (4 \times 4 \times 44 + 4/4) + 4 \\
&:= (55 \times (55 + 5 + 5) - (5 + 5))/5 \\
&:= 6 \times 6 + (666 + (66/6)) \\
&:= 7 + ((777 - (7/7 + 77)) + 7) \\
&:= 8 + (8 \times 88 + 8/8) \\
&:= 9 \times 9 \times 9 + (((9+9)/9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 714 &:= (1 + 1) \times ((1 + 1 + 1) \times (11^{1+1} - (1 + 1))) \\
&:= (2 + 2 + 2) \times ((22/2)^2 - 2) \\
&:= 3 + (3^{3+3} - (3 \times (3 + 3))) \\
&:= 4 \times 4 \times 44 + (44 - 4)/4 \\
&:= (55 \times (55 + 5 + 5) - 5)/5 \\
&:= (6 + 6) \times (66 - 6) - 6 \\
&:= 7 + ((777 - 77) + 7) \\
&:= 8 + ((8 + 8)/8 + 8 \times 88) \\
&:= 9 \times 9 \times 9 + (((9+9+9)/9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 715 &:= 11 \times (1 + ((1+1)^{(1+1) \times (1+1+1)})) \\
&:= 22/2 + (2 \times (22 \times 2^{2+2})) \\
&:= 3^{3+3} - (33/3 + 3) \\
&:= 44/4 + 4 \times 4 \times 44 \\
&:= 55 \times (55 + 5 + 5)/5 \\
&:= (66/6) \times (66 - 6/6) \\
&:= 7 + (((777 - 77) + 7/7) + 7) \\
&:= 88/8 + 8 \times 88 \\
&:= 9 \times 9 \times 9 + (((9 - 99)/(9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 716 &:= ((1+1)^{11}) - (1 + 11^{1+1+1}) \\
&:= 2 + ((2 + 2 + 2) \times ((22/2)^2 - 2)) \\
&:= 3^{3+3} + (((3 - 33)/3) - 3) \\
&:= (4 \times ((4 \times 44) + 4)) - 4 \\
&:= (55 \times (55 + 5 + 5) + 5)/5 \\
&:= ((66 \times (66 - 6/6)) + 6)/6 \\
&:= 7 \times (77 + 7) + ((7+7)/7)^7 \\
&:= 8 \times 88 + (88 + 8)/8 \\
&:= 9 \times 9 \times 9 - ((99+9+9)/9)
\end{aligned}$$

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

$$\begin{aligned}
\blacktriangleright 718 &:= (11 - 1 - 1)^{1+1+1} - 11 \\
&:= 2 \times ((22 - (2/2 + 2))^2) - 2 \\
&:= 3^{3+3} - 33/3 \\
&:= (4 \times ((4 \times 44) + 4)) - (4 + 4)/4 \\
&:= 5 \times 5 \times (5 \times 5 + 5) - ((5 + 5)/5)^5 \\
&:= (6 + 6) \times (66 - 6) - (6 + 6)/6 \\
&:= 7 + ((77/7 - 77) + 777) \\
&:= 8 + ((8 \times 88 - ((8 + 8)/8)) + 8) \\
&:= 9 \times 9 \times 9 - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 719 &:= 1 + ((11 - 1 - 1)^{1+1+1} - 11) \\
&:= ((22 - 2) \times (2 + 2 + 2)^2) - 2/2 \\
&:= 3^{3+3} + ((3 - 33)/3) \\
&:= (4 \times ((4 \times 44) + 4)) - 4/4 \\
&:= (((55 + 5)^{(5+5)/5}) - 5)/5 \\
&:= (6 + 6) \times (66 - 6) - 6/6 \\
&:= 777 - (((7 + 7)/7 + 7 \times 7) + 7) \\
&:= 8 + ((8 \times 88 - 8/8) + 8) \\
&:= 9 \times 9 \times 9 - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 720 &:= (1 + 1) \times ((1 + 1 + 1) \times (11^{1+1} - 1)) \\
&:= (22 - 2) \times (2 + 2 + 2)^2 \\
&:= 3^{3+3} - 3 \times 3 \\
&:= 4 \times ((4 \times 44) + 4) \\
&:= (5/5 + 5) \times (5 \times 5 \times 5 - 5) \\
&:= (6 + 6) \times (66 - 6) \\
&:= 777 - ((7/7 + 7 \times 7) + 7) \\
&:= 8 + (8 \times 88 + 8) \\
&:= 9 \times 9 \times 9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 721 &:= (111 + 11^{1+1+1})/(1 + 1) \\
&:= (((2 + 2 + 2)^2 + 2)^2) - 2)/2 \\
&:= 3 + (3^{3+3} - 33/3) \\
&:= 4/4 + (4 \times ((4 \times 44) + 4)) \\
&:= (((55 + 5)^{(5+5)/5}) + 5)/5 \\
&:= 6/6 + (6 + 6) \times (66 - 6) \\
&:= 777 - (7 \times 7 + 7) \\
&:= 8 + ((8 \times 88 + 8/8) + 8) \\
&:= 9/9 + (9 \times 9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 722 &:= (1 + 1) \times (((1 + 1) \times (11 - 1)) - 1)^{1+1} \\
&:= 2 \times ((22 - (2/2 + 2))^2) \\
&:= 3^{3+3} - ((3/3 + 3) + 3) \\
&:= (4 + 4)/4 + (4 \times ((4 \times 44) + 4)) \\
&:= (((55 + 5)^{(5+5)/5}) + 5)/5 \\
&:= (6 + 6)/6 + (6 + 6) \times (66 - 6) \\
&:= 7/7 + (777 - (7 \times 7 + 7)) \\
&:= 8 + (((8 + 8)/8) + 8 \times 88) + 8) \\
&:= 9 \times 9 \times 9 + (((9 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 723 &:= (1 + 1 + 1) \times (((1 + 1) \times 11^{1+1}) - 1) \\
&:= (2/2 + 2) \times (22^2 - 2)/2 \\
&:= 3^{3+3} - (3 + 3) \\
&:= 4 + ((4 \times ((4 \times 44) + 4)) - 4/4) \\
&:= 5 \times (5 \times 5 - 5) + (5^5 - 5 - 5)/5 \\
&:= ((6 \times 6/(6 + 6))^6) - 6 \\
&:= 7 + (7 \times (77 + 7) + ((7 + 7)/7)^7) \\
&:= 8 + (88/8 + 8 \times 88) \\
&:= 9 \times 9 \times 9 + (((9 + 9 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 724 &:= (1 + 1) \times ((11 \times (11 \times (1 + 1 + 1))) - 1) \\
&:= 2 + (2 \times ((22 - (2/2 + 2))^2)) \\
&:= 3/3 + (3^{3+3} - (3 + 3)) \\
&:= 4 + (4 \times ((4 \times 44) + 4)) \\
&:= (5^5 - 5)/5 + 5 \times (5 \times 5 - 5) \\
&:= (66 \times 66 - 6 - 6)/6 \\
&:= (7 \times (7 \times (7 + 7) + 7)) - 77/7 \\
&:= 8 + (((88 + 8)/8) + 8 \times 88) \\
&:= 9 \times 9 \times 9 + ((9 - 99)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 725 &:= ((1 + 1) \times (11 \times (11 \times (1 + 1 + 1)))) - 1 \\
&:= 22^2 + (22^2 - 2)/2 \\
&:= 3^{3+3} - (3/3 + 3) \\
&:= 4 + ((4 \times ((4 \times 44) + 4)) + 4/4) \\
&:= 5 \times (5 \times (5 \times 5 + 5) - 5) \\
&:= (66 \times 66 - 6)/6 \\
&:= 777 - (((7 + 7 + 7)/7) + 7 \times 7) \\
&:= 8 + ((88 + 8 + 8)/8 + 8 \times 88) \\
&:= 9 \times 9 \times 9 + ((9 - 9 \times 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 726 &:= (1 + 1) \times (11 \times (11 \times (1 + 1 + 1))) \\
&:= 22 \times (22/2 + 22) \\
&:= 3^{3+3} - 3 \\
&:= 44/4 \times (((4^4 + 4) + 4)/4) \\
&:= 5/5 + (5 \times (5 \times (5 \times 5 + 5) - 5)) \\
&:= 66 \times (66/6) \\
&:= (7 - 7/7) \times (((7 + 7)/7)^7 - 7) \\
&:= 8 \times 88 + (88 + 88)/8 \\
&:= 9 \times 9 \times 9 - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 727 &:= (11 - 1 - 1)^{1+1+1} - 1 - 1 \\
&:= ((2/2 + 2)^{2+2+2}) - 2 \\
&:= 3/3 + (3^{3+3} - 3) \\
&:= 4 + (((4 \times ((4 \times 44) + 4)) - 4/4) + 4) \\
&:= (5 + 5)/5 + (5 \times (5 \times (5 \times 5 + 5) - 5)) \\
&:= (66 \times 66 + 6)/6 \\
&:= 777 - (7/7 + 7 \times 7) \\
&:= 8 + (((8 \times 88 - 8/8) + 8) + 8) \\
&:= 9 \times 9 \times 9 - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 728 &:= (11 - 1 - 1)^{1+1+1} - 1 \\
&:= 2 + (22^2/2 + 22^2) \\
&:= 3^{3+3} - 3/3 \\
&:= 4 + ((4 \times ((4 \times 44) + 4)) + 4) \\
&:= (55 + 5/5) \times (55 + 5 + 5)/5 \\
&:= ((6 \times 6/(6 + 6))^6) - 6/6 \\
&:= 777 - 7 \times 7 \\
&:= 8 + (8 \times 88 + 8 + 8) \\
&:= 9 \times 9 \times 9 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 729 &:= (11 - 1 - 1)^{1+1+1} \\
&:= (2/2 + 2)^{2+2+2} \\
&:= 3^{3+3} \\
&:= (4 - 4/4)^{4+(4+4)/4} \\
&:= (5 - (5 + 5)/5)^{5/5+5} \\
&:= (6 \times 6/(6 + 6))^6 \\
&:= 7/7 + (777 - 7 \times 7) \\
&:= (8/8 + 8)^{88/8-8} \\
&:= 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 730 &:= 1 + (11 - 1 - 1)^{1+1+1} \\
&:= 2/2 + ((2/2 + 2)^{2+2+2}) \\
&:= 3/3 + 3^{3+3} \\
&:= 4 + (44/4 \times (((4^4 + 4) + 4)/4)) \\
&:= 5 + (5 \times (5 \times (5 \times 5 + 5) - 5)) \\
&:= 6/6 + ((6 \times 6/(6 + 6))^6) \\
&:= ((7 + 7)/7) + (777 - 7 \times 7) \\
&:= 8 + (((8 + 8)/8) + 8 \times 88) + 8) + 8) \\
&:= 9/9 + 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 731 &:= 1 + (1 + (11 - 1 - 1)^{1+1+1}) \\
&:= 2 + ((2/2 + 2)^{2+2+2}) \\
&:= 3 + (3^{3+3} - 3/3) \\
&:= 44/4 + (4 \times ((4 \times 44) + 4)) \\
&:= ((555 + 5^5)/5) - 5 \\
&:= 6 + ((66 \times 66 - 6)/6) \\
&:= 7 + ((7 \times (7 \times (7 + 7) + 7)) - (77/7)) \\
&:= 8 + ((88/8 + 8 \times 88) + 8) \\
&:= 9 \times 9 \times 9 + ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 732 &:= 1 + (1 + (1 + (11 - 1 - 1)^{1+1+1})) \\
&:= (2/2 + 2) \times (22^2/2 + 2) \\
&:= 3 + 3^{3+3} \\
&:= 44 + (4 \times ((4 \times 44) - 4)) \\
&:= (((555 + 5^5) + 5)/5) - 5 \\
&:= 66 + 666 \\
&:= 77/7 + (777 - (7 \times 7 + 7)) \\
&:= 8 + (((88 + 8)/8) + 8 \times 88) + 8) \\
&:= 9 \times 9 \times 9 + ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 733 &:= 1 + (1 + (1 + (1 + (11 - 1 - 1)^{1+1+1}))) \\
&:= 2 + (((2/2 + 2)^{2+2+2}) + 2) \\
&:= 3 + (3^{3+3} + 3/3) \\
&:= 4 + ((4 - 4/4)^{4+(4+4)/4}) \\
&:= 55 + ((5^5 - 5 - 5)/5 + 55) \\
&:= 6 + ((66 \times 66 + 6)/6) \\
&:= (7 \times (7 \times (7 + 7) + 7)) - (7 + 7)/7 \\
&:= 8 + (((88 + 8 + 8)/8 + 8 \times 88) + 8) \\
&:= 9 \times 9 \times 9 + ((9 \times 9 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 734 &:= (1 + 1) \times (1 + ((1 + 1 + 1) \times (1 + 11^{1+1}))) \\
&:= 222 + (2^{(2/2+2)^2}) \\
&:= 3 + ((3^{3+3} - 3/3) + 3) \\
&:= (4 + 4)/4 \times (444/4 + 4^4) \\
&:= 5 + ((5 - (5 + 5)/5)^{5/5+5}) \\
&:= 6 + (((6 \times 6/(6 + 6))^6) - 6/6) \\
&:= (7 \times (7 \times (7 + 7) + 7)) - 7/7 \\
&:= 8 + ((88 + 88)/8 + 8 \times 88) \\
&:= 9 \times 9 \times 9 + ((9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 735 &:= (1 + 1 + 1) \times (1 + ((1 + 1) \times (1 + 11^{1+1}))) \\
&:= 2 + (((2/2 + 2)^{2+2+2}) + 2) + 2) \\
&:= 3 + (3^{3+3} + 3) \\
&:= (4 - 4/4) \times (4^4 - 44/4) \\
&:= 55 + (5^5/5 + 55) \\
&:= 6 + (((6 \times 6/(6 + 6))^6) \\
&:= 7 \times (7 \times (7 + 7) + 7) \\
&:= 8 + (((8 \times 88 - 8/8) + 8) + 8) + 8) \\
&:= 9 + (9 \times 9 \times 9 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 736 &:= 111 + (1 + (1 + 1) \times (1 + 11))^{1+1} \\
&:= 2^{2+2} \times ((2 \times 22) + 2) \\
&:= 3 + ((3^{3+3} + 3/3) + 3) \\
&:= 4 \times (((4 \times 44) + 4) + 4) \\
&:= (555 + 5^5)/5 \\
&:= 6 + (((6 \times 6/(6 + 6))^6) + 6/6) \\
&:= 7/7 + (7 \times (7 \times (7 + 7) + 7)) \\
&:= 8 + ((8 \times 88 + 8 + 8) + 8) \\
&:= 9 + (9 \times 9 \times 9 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 737 &:= 11 \times (1 + ((1 + 1) \times (11 \times (1 + 1 + 1)))) \\
&:= 2/2 + (2^{2+2} \times ((2 \times 22) + 2)) \\
&:= 3 \times 3 + (3^{3+3} - 3/3) \\
&:= 4/4 + (4 \times (((4 \times 44) + 4) + 4)) \\
&:= ((555 + 5^5) + 5)/5 \\
&:= (66/6) \times (66 + 6/6) \\
&:= ((7 + 7)/7) + (7 \times (7 \times (7 + 7) + 7)) \\
&:= 8 + ((8/8 + 8)^{88/8-8}) \\
&:= 9 + (9 \times 9 \times 9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 738 &:= 1 + (11 \times (1 + ((1 + 1) \times (11 \times (1 + 1 + 1)))))) \\
&:= 2 + (2^{2+2} \times ((2 \times 22) + 2)) \\
&:= 3 \times 3 + 3^{3+3} \\
&:= 4^4 + ((44 \times 44 - (4 + 4))/4) \\
&:= (((555 + 5^5) + 5) + 5)/5 \\
&:= 6 + (666 + 66) \\
&:= 777 + (((77 - 7)/7) - 7 \times 7) \\
&:= (8/8 + 8) \times (((8 + 8)/8) - 8) + 88) \\
&:= 9 + 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 739 &:= 11 + ((11 - 1 - 1)^{1+1+1} - 1) \\
&:= 22^2 + (2^{2 \times (2+2)} - 2/2) \\
&:= 3 \times 3 + (3^{3+3} + 3/3) \\
&:= 4^4 + ((44 \times 44 - 4)/4) \\
&:= 5 \times 5 \times 5 + ((5^5 - 55)/5) \\
&:= 6 + (((66 \times 66 + 6)/6) + 6) \\
&:= 77/7 + (777 - 7 \times 7) \\
&:= 8 + (((88/8 + 8 \times 88) + 8) + 8) \\
&:= 9 + (9 \times 9 \times 9 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 740 &:= 11 + (11 - 1 - 1)^{1+1+1} \\
&:= 22^2 + 2^{2 \times (2+2)} \\
&:= 3^{3+3} + 33/3 \\
&:= 4 + (4 \times (((4 \times 44) + 4) + 4)) \\
&:= 5 \times 5 \times (5 \times 5 + 5) - 5 - 5 \\
&:= 66/6 + (((6 \times 6/(6 + 6))^6) \\
&:= 7 + ((7 \times (7 \times (7 + 7) + 7)) - ((7 + 7)/7)) \\
&:= 8 \times 88 + ((8 \times 8 + 8)/((8 + 8)/8)) \\
&:= 9 \times 9 \times 9 + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 741 &:= 1 + (11 + (11 - 1 - 1)^{1+1+1}) \\
&:= 2/2 + (2^{2 \times (2+2)} + 22^2) \\
&:= 3 + (3^{3+3} + 3 \times 3) \\
&:= 4^4 + ((44 \times 44 + 4)/4) \\
&:= 5 + ((555 + 5^5)/5) \\
&:= 6 + (((6 \times 6/(6 + 6))^6) + 6) \\
&:= 7 + ((7 \times (7 \times (7 + 7) + 7)) - 7/7) \\
&:= 8 \times 88 + 888/(8 + 8 + 8) \\
&:= 9 \times 9 \times 9 + (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 742 &:= 1 + (1 + (11 + (11 - 1 - 1)^{1+1+1})) \\
&:= 2 + (2^{2 \times (2+2)} + 22^2) \\
&:= 3 + ((3^{3+3} + 3/3) + 3 \times 3) \\
&:= 4^4 + (((44 \times 44 + 4) + 4)/4) \\
&:= 5 + (((555 + 5^5) + 5)/5) \\
&:= 6 + (((6 \times 6/(6 + 6))^6) + 6/6) + 6) \\
&:= 7 + (7 \times (7 \times (7 + 7) + 7)) \\
&:= 8 + (((88 + 88)/8 + 8 \times 88) + 8) \\
&:= 9 \times 9 \times 9 + ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 743 &:= 1 + (1 + (1 + (11 + (11 - 1 - 1)^{1+1+1}))) \\
&:= 2 + ((2^{2 \times (2+2)} + 22^2) + 2/2) \\
&:= 3 + (3^{3+3} + 33/3) \\
&:= 4 + (((44 \times 44 - 4)/4) + 4^4) \\
&:= 5 + (((555 + 5^5) + 5) + 5)/5) \\
&:= 6 + ((66/6) \times (66 + 6/6)) \\
&:= 7 + ((7 \times (7 \times (7 + 7) + 7)) + 7/7) \\
&:= 888/8 + (8 \times (88 - 8) - 8) \\
&:= 9 + (((9 \times 9 + 9)/(9 + 9)) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 744 &:= (1 + 11) \times (1 + ((1 + 11^{1+1})/(1 + 1))) \\
&:= (2 \times 22^2) - (222 + 2) \\
&:= 3 + ((3^{3+3} + 3 \times 3) + 3) \\
&:= 44 + (444 + 4^4) \\
&:= 5 \times 5 \times 5 + ((5^5 - 5)/5 - 5) \\
&:= 6 + ((666 + 66) + 6) \\
&:= 7 + ((7 \times (7 \times (7 + 7) + 7)) + ((7 + 7)/7)) \\
&:= 8 \times (88 + 8) - 8 - 8 - 8 \\
&:= 9 + (9 \times 9 \times 9 - ((9 + 9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 745 &:= (1 + (1 + (1 + ((1 + 1)^{1+1+1}))))/11 \\
&:= 2^{2+2} + ((2/2 + 2)^{2+2+2}) \\
&:= 3^3 + (3^{3+3} - 33/3) \\
&:= 4 + (((44 \times 44 + 4)/4) + 4^4) \\
&:= 5 \times 5 \times (5 \times 5 + 5) - 5 \\
&:= 6 + (((66 \times 66 + 6)/6) + 6) + 6) \\
&:= 777 - ((77/7 + 7 + 7) + 7) \\
&:= 8 + (((8/8 + 8)^{88/8-8}) + 8) \\
&:= 9 + (9 \times 9 \times 9 - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 746 &:= (1 + 1) \times (((11 + 11)^{1+1}) - 111) \\
&:= (2 \times 22^2) - 222 \\
&:= 3 + ((3^{3+3} + 33/3) + 3) \\
&:= 44 + 4 \times 4 \times 44 - (4 + 4)/4) \\
&:= 5 + (((555 + 5^5)/5) + 5) \\
&:= 6 + (((6 \times 6/(6 + 6))^6) + (66/6)) \\
&:= 77/7 + (7 \times (7 \times (7 + 7) + 7)) \\
&:= 8 \times (88 + 8) - (88 + 88)/8 \\
&:= 9 + (9 \times 9 \times 9 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 747 &:= ((1 + 1) \times (11 \times (1 + (11 \times (1 + 1 + 1)))))) - 1 \\
&:= 2/2 + ((2 \times 22^2) - 222) \\
&:= 3 \times ((3 + 3)^3 + 33) \\
&:= 44 + 4 \times 4 \times 44 - 4/4) \\
&:= ((555 + 55) + 5^5)/5) \\
&:= 6 + (((6 \times 6/(6 + 6))^6) + 6) + 6) \\
&:= (77 + 7)/7 + (7 \times (7 \times (7 + 7) + 7)) \\
&:= (8/8 + 8) \times ((88/8 + 8 \times 8) + 8) \\
&:= 9 + (9 \times 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 748 &:= (1+1) \times (11 \times (1 + (11 \times (1+1+1)))) \\
&:= 22 \times ((2 \times 2^{2+2}) + 2) \\
&:= 3/3 + (3^{3+3} + (3 \times (3+3))) \\
&:= 44 + 4 \times 4 \times 44 \\
&:= 5 \times 5 \times 5 + (5^5 - 5 - 5)/5 \\
&:= (66/6) \times (((6+6)/6) + 66) \\
&:= 7 + (((7 \times (7 \times (7+7) + 7)) - 7/7) + 7) \\
&:= 8 \times 88 + (88/(8+8)/8) \\
&:= 9 + ((9 \times 9 \times 9 + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 749 &:= 1 + ((1+1) \times (11 \times (1 + (11 \times (1+1+1)))) \\
&:= 22 + (((2/2+2)^{2+2+2}) - 2) \\
&:= 3 \times 3 + (3^{3+3} + 33/3) \\
&:= 44 + 4 \times 4 \times 44 + 4/4 \\
&:= 5 \times 5 \times 5 + (5^5 - 5)/5 \\
&:= 6 + (((66/6) \times (66+6/6)) + 6) \\
&:= 7 + ((7 \times (7 \times (7+7) + 7)) + 7) \\
&:= 8 \times (88+8) - (88/8+8) \\
&:= 9 + (9 \times 9 \times 9 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 750 &:= (1+1) \times (1 + (11 \times (1 + (11 \times (1+1+1)))) \\
&:= 2 + (22 \times ((2 \times 2^{2+2}) + 2)) \\
&:= 3 + (3^{3+3} + (3 \times (3+3))) \\
&:= 44 + 4 \times 4 \times 44 + (4+4)/4 \\
&:= 5 \times 5 \times (5 \times 5 + 5) \\
&:= 66 \times (6+6) - (6 \times 6 + 6) \\
&:= (7/7 + 7 + 7) \times (7/7 + 7 \times 7) \\
&:= (8 - 88)/8 + (8 \times (88+8) - 8) \\
&:= 9 + (((99+9)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 751 &:= 11 + (11 + (11 - 1 - 1)^{1+1+1}) \\
&:= 22 + ((2/2+2)^{2+2+2}) \\
&:= 33 + (3^{3+3} - 33/3) \\
&:= (4 \times (4^4 - 4)) - (4/4 + 4^4) \\
&:= 5/5 + 5 \times 5 \times (5 \times 5 + 5) \\
&:= 6 \times 6 + ((66/6) \times (66 - 6/6)) \\
&:= 777 - ((77+7)/7 + 7 + 7) \\
&:= 888/8 + 8 \times (88 - 8) \\
&:= 9 \times 9 \times 9 + ((99+99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 752 &:= 1 + (11 + (11 + (11 - 1 - 1)^{1+1+1})) \\
&:= 2 \times ((22 - 2)^2 - (22 + 2)) \\
&:= 3^3 + (3^{3+3} - (3/3 + 3)) \\
&:= 4 \times (444 - 4^4) \\
&:= 5 \times 5 \times 5 + (5^5 + 5 + 5)/5 \\
&:= 6 + (((6 \times 6/(6+6))^6) + (66/6) + 6) \\
&:= 777 - (77/7 + 7 + 7) \\
&:= 8 \times (88+8) - 8 - 8 \\
&:= 9 \times 9 \times 9 + ((99+99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 753 &:= (((1+11)^{1+1+1})/(1+1)) - 111 \\
&:= 2 + (((2/2+2)^{2+2+2}) + 22) \\
&:= 3^3 + (3^{3+3} - 3) \\
&:= 4/4 + (4 \times (444 - 4^4)) \\
&:= 5 + ((5^5 - 5 - 5)/5 + 5 \times 5 \times 5) \\
&:= 6 + (((6 \times 6/(6+6))^6) + 6) + 6) + 6) \\
&:= 7 + ((7 \times (7 \times (7+7) + 7)) + (77/7)) \\
&:= 8/8 + (8 \times (88+8) - (8+8)) \\
&:= 9 + (((9 \times 9 \times 9 - ((9+9+9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 754 &:= 1 + (((1+11)^{1+1+1})/(1+1)) - 111 \\
&:= (2 \times ((22 - 2)^2 - 22)) - 2 \\
&:= 3^3 + ((3^{3+3} - 3) + 3/3) \\
&:= (4 + 4)/4 + (4 \times (444 - 4^4)) \\
&:= 5 + ((5^5 - 5)/5 + 5 \times 5 \times 5) \\
&:= 6 + ((66/6) \times (((6+6)/6) + 66)) \\
&:= 777 - (((7+7)/7 + 7) + 7) + 7) \\
&:= (8+8)/8 + (8 \times (88+8) - (8+8)) \\
&:= 9 + (((9 \times 9 \times 9 - ((9+9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 755 &:= 11^{1+1+1} - (((1+1) \times (1+11))^{1+1}) \\
&:= (2 \times ((22 - 2)^2 - 22)) - 2/2 \\
&:= 3^3 + (3^{3+3} - 3/3) \\
&:= ((4 - 4/4) \times (4^4 - 4)) - 4/4 \\
&:= 5 + 5 \times 5 \times (5 \times 5 + 5) \\
&:= 66 \times (6+6) - (6 \times 6 + 6/6) \\
&:= 777 - (7/7 + 7 + 7 + 7) \\
&:= 8 \times (88+8) - (88+8+8)/8 \\
&:= 9 + (((9 \times 9 \times 9 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 756 &:= (1+1+1) \times ((1+11) \times (11 + (11 - 1))) \\
&:= 2 \times ((22 - 2)^2 - 22) \\
&:= 3^3 + 3^{3+3} \\
&:= (4 - 4/4) \times (4^4 - 4) \\
&:= 5 + (5 \times 5 \times (5 \times 5 + 5) + 5/5) \\
&:= 6 \times ((66 - 6) + 66) \\
&:= 777 - (7 + 7 + 7) \\
&:= 8 \times (88+8) - (88+8)/8 \\
&:= 9 + ((9 \times 9 \times 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 757 &:= 1 + ((1+1+1) \times ((1+11) \times (11 + (11 - 1)))) \\
&:= 2/2 + (2 \times ((22 - 2)^2 - 22)) \\
&:= 3^3 + (3^{3+3} + 3/3) \\
&:= 4/4 + ((4 - 4/4) \times (4^4 - 4)) \\
&:= 5 + (5 \times 5 \times (5 \times 5 + 5) + ((5+5)/5)) \\
&:= 6/6 + (6 \times ((66 - 6) + 66)) \\
&:= 7/7 + (777 - (7 + 7 + 7)) \\
&:= 8 \times (88+8) - 88/8 \\
&:= 9 + (((9 \times 9 \times 9 + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 758 &:= (11 \times ((1+1+1) \times (1 + (11 + 11)))) - 1 \\
&:= 2 + (2 \times ((22 - 2)^2 - 22)) \\
&:= 3 + ((3^{3+3} - 3/3) + 3^3) \\
&:= (4 + 4)/4 + ((4 - 4/4) \times (4^4 - 4)) \\
&:= 5 + (((5^5 - 5 - 5)/5 + 5 \times 5 \times 5) + 5) \\
&:= (6 + 6)/6 + (6 \times ((66 - 6) + 66)) \\
&:= 777 - ((77 + 7)/7 + 7) \\
&:= (8 - 88)/8 + 8 \times (88 + 8) \\
&:= 9 + ((9 \times 9 \times 9 + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 759 &:= 11 \times ((1+1+1) \times (1 + (11 + 11))) \\
&:= (2/2 + 2) \times ((22^2 + 22)/2) \\
&:= 3 + (3^{3+3} + 3^3) \\
&:= (4 - 4/4) \times ((4/4 - 4) + 4^4) \\
&:= 5 + (((5^5 - 5)/5 + 5 \times 5 \times 5) + 5) \\
&:= 6 \times 6 + (((6 \times 6/(6+6))^6) - 6) \\
&:= 777 - (77/7 + 7) \\
&:= 8 \times (88+8) - (8/8+8) \\
&:= 9 \times (9 \times 9 - 9) + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 760 &:= 1 + (11 \times ((1+1+1) \times (1 + (11 + 11)))) \\
&:= 2 \times (((22 - 2)^2 - 22) + 2) \\
&:= 3 + ((3^{3+3} + 3/3) + 3^3) \\
&:= 4 + ((4 - 4/4) \times (4^4 - 4)) \\
&:= 5 + (5 \times 5 \times (5 \times 5 + 5) + 5) \\
&:= 6 \times 6 + ((66 \times 66 - 6 - 6)/6) \\
&:= 777 + (((7 - 77)/7) - 7) \\
&:= 8 \times (88+8) - 8 \\
&:= 9 + (((99+99)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 761 &:= 1 + (1 + (11 \times ((1+1+1) \times (1 + (11 + 11)))) \\
&:= 2 + ((2/2+2) \times ((22^2 + 22)/2)) \\
&:= 33 + (3^{3+3} - 3/3) \\
&:= ((4 - 4/4) \times (4^4 - 4/4)) - 4 \\
&:= 5 \times 5 + ((555 + 5^5)/5) \\
&:= 6 \times 6 + ((66 \times 66 - 6)/6) \\
&:= 777 - (((7+7)/7 + 7) + 7) \\
&:= 8/8 + (8 \times (88+8) - 8) \\
&:= ((99/9) \times (9 \times 9 - (99/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 762 &:= (1+1+1) \times (1 + (11 \times (1 + (11 + 11)))) \\
&:= (2/2 + 2) \times (2^{2 \times (2+2)} - 2) \\
&:= 33 + 3^{3+3} \\
&:= (4 - 4/4) \times (4^4 - (4+4)/4) \\
&:= 5 \times 5 + (((555 + 5^5) + 5)/5) \\
&:= 6 + (6 \times ((66 - 6) + 66)) \\
&:= 777 - (7/7 + 7 + 7) \\
&:= (8+8)/8 + (8 \times (88+8) - 8) \\
&:= 9 \times 9 \times 9 + (99/((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 763 &:= (111 - 1 - 1) \times (1 + ((1 + 1) \times (1 + 1 + 1))) \\
&:= 2/2 + ((2/2 + 2) \times (2^{2 \times (2+2)} - 2)) \\
&:= 3/3 + (3^{3+3} + 33) \\
&:= 4 \times 4^4 - ((4/4 + 4^4) + 4) \\
&:= 555 + ((5^5 - 5)/5 + 5 + 5) \\
&:= 6 \times 6 + ((66 \times 66 + 6)/6) \\
&:= 777 - (7 + 7) \\
&:= 88/8 + (8 \times (88 + 8) - (8 + 8)) \\
&:= (9 - ((9 + 9)/9)) \times (9/9 + 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 764 &:= 1 + ((111 - 1 - 1) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) \\
&:= 2 \times ((2^{2+2} \times (22 + 2)) - 2) \\
&:= 3 + ((3^{3+3} - 3/3) + 33) \\
&:= 4 \times 4^4 - (4^4 + 4) \\
&:= 5 \times (5 \times 5 + 5) + ((5^5 - 55)/5) \\
&:= 6 \times 6 + (((6 \times 6)/(6 + 6))^6) - 6/6 \\
&:= 7/7 + (777 - (7 + 7)) \\
&:= 8 \times (88 + 8) - 8/((8 + 8)/8) \\
&:= 9 + (((9 \times 9 \times 9 - 9/9) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 765 &:= (1 + 1 + 1) \times (111 + ((1 + 11)^{1+1})) \\
&:= (2/2 + 2) \times (2^{2 \times (2+2)} - 2/2) \\
&:= 3 + (3^{3+3} + 33) \\
&:= (4 - 4/4) \times (4^4 - 4/4) \\
&:= 5 + ((5 \times 5 \times (5 \times 5 + 5) + 5) + 5) \\
&:= 6 \times 6 + ((6 \times 6)/(6 + 6))^6 \\
&:= 777 - (77 + 7)/7 \\
&:= 8 + (8 \times (88 + 8) - (88/8)) \\
&:= 9 + (((9 \times 9 \times 9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 766 &:= (111 \times (1 + ((1 + 1) \times (1 + 1 + 1)))) - 11 \\
&:= (2 \times (2^{2+2} \times (22 + 2))) - 2 \\
&:= 3 + ((3^{3+3} + 3/3) + 33) \\
&:= 4 \times 4^4 - ((4 + 4)/4 + 4^4) \\
&:= 5 + (((555 + 5^5)/5) + 5 \times 5) \\
&:= 6 \times 6 + (((6 \times 6)/(6 + 6))^6) + 6/6 \\
&:= 777 - 77/7 \\
&:= 8 \times (88 + 8) - (8 + 8)/8 \\
&:= 9 + (((9 \times 9 \times 9 + 9/9) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 767 &:= (1 + 1 + 1) \times (1 + 1)^{(1+1)^{1+1+1}} - 1 \\
&:= (2 \times 2 \times 222) - (22/2)^2 \\
&:= 3^3 + (3^{3+3} + 33/3) \\
&:= 4 \times 4^4 - (4/4 + 4^4) \\
&:= 5 + (((555 + 5^5) + 5)/5) + 5 \times 5 \\
&:= ((6 + 6) \times ((6 + 6)/6))^6 - 6/6 \\
&:= 777 + (7 - 77)/7 \\
&:= 8 \times (88 + 8) - 8/8 \\
&:= 9 + (((9 \times 9 \times 9 + (99/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 768 &:= (1 + 1 + 1) \times (1 + 1)^{(1+1)^{1+1+1}} \\
&:= 2 \times (2^{2+2} \times (22 + 2)) \\
&:= 3 + ((3^{3+3} + 33) + 3) \\
&:= 4 \times (4 \times (44 + 4)) \\
&:= (5 \times 5 - 5/5) \times ((5 + 5)/5)^5 \\
&:= (6 + 6) \times ((6 + 6)/6)^6 \\
&:= (7 - 7/7) \times ((7 + 7)/7)^7 \\
&:= 8 \times (88 + 8) \\
&:= 9 + (9 \times (9 \times 9 - 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 769 &:= 1 + (1 + 1 + 1) \times (1 + 1)^{(1+1)^{1+1+1}} \\
&:= 2/2 + (2 \times (2^{2+2} \times (22 + 2))) \\
&:= 3 + (((3^{3+3} + 3/3) + 33) + 3) \\
&:= 4/4 + (4 \times (4 \times (44 + 4))) \\
&:= (5 \times (5 - 55)) + ((5 - 5/5)^5 - 5) \\
&:= 6/6 + ((6 + 6) \times ((6 + 6)/6))^6 \\
&:= 777 - (7/7 + 7) \\
&:= 8/8 + 8 \times (88 + 8) \\
&:= 9 \times 9 \times 9 + ((9 \times 9 \times 9 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 770 &:= 11 \times ((11 - 1 - 1)^{1+1} - 11) \\
&:= 2 + (2 \times (2^{2+2} \times (22 + 2))) \\
&:= 3 + ((3^{3+3} + 33/3) + 3^3) \\
&:= (4 + 4)/4 + (4 \times (4 \times (44 + 4))) \\
&:= 55 \times ((5 - 5/5 + 5) + 5) \\
&:= (6/6 + 6) \times ((666 - 6)/6) \\
&:= 777 - 7 \\
&:= (8 + 8)/8 + 8 \times (88 + 8) \\
&:= 99/9 \times (9 \times 9 - 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 771 &:= 1 + (11 \times ((11 - 1 - 1)^{1+1} - 11)) \\
&:= 22^2 + (((22 + 2)^2) - 2)/2 \\
&:= 3 \times 3 + (3^{3+3} + 33) \\
&:= (4 - 4/4) \times (4/4 + 4^4) \\
&:= 5/5 + (55 \times ((5 - 5/5 + 5) + 5)) \\
&:= 6 + (((6 \times 6)/(6 + 6))^6) + 6 \times 6 \\
&:= 7/7 + (777 - 7) \\
&:= 88/8 + (8 \times (88 + 8) - 8) \\
&:= 9 \times 99 - (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 772 &:= 1 + (1 + (11 \times ((11 - 1 - 1)^{1+1} - 11))) \\
&:= 2 \times ((2^{2+2} \times (22 + 2)) + 2) \\
&:= 3 \times 3 + ((3^{3+3} + 3/3) + 33) \\
&:= 4 + (4 \times (4 \times (44 + 4))) \\
&:= (((5 + 5)/5 + 5) \times 555/5) - 5 \\
&:= 666 + ((666 + 6)/6 - 6) \\
&:= ((7 + 7)/7) + (777 - 7) \\
&:= 8 \times (88 + 8) + 8/((8 + 8)/8) \\
&:= 9 \times 99 + (((9 - 999)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 773 &:= ((1 + ((1 + 1 + 1)^{1+1+1}))^{1+1}) - 11 \\
&:= (2 \times 22) + ((2/2 + 2)^{2+2+2}) \\
&:= 33 + (3^{3+3} + 33/3) \\
&:= 4 + ((4 \times (4 \times (44 + 4))) + 4/4) \\
&:= 5 + ((5 \times 5 - 5/5) \times ((5 + 5)/5)^5) \\
&:= 6 + (((6 + 6) \times ((6 + 6)/6))^6) - 6/6 \\
&:= 7 + (777 - (77/7)) \\
&:= 8 + ((8 \times (88 + 8) - (88/8)) + 8) \\
&:= 99 + (((9 + 9)/9)^9) + 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 774 &:= 1 + (((1 + ((1 + 1 + 1)^{1+1+1}))^{1+1}) - 11) \\
&:= (2/2 + 2) \times (2^{2 \times (2+2)} + 2) \\
&:= 3 + ((3^{3+3} + 33) + 3 \times 3) \\
&:= (4 - 4/4) \times ((4 + 4)/4 + 4^4) \\
&:= (5 \times (5 - 55)) + (5 - 5/5)^5 \\
&:= 6 + ((6 + 6) \times ((6 + 6)/6))^6 \\
&:= 777 - (7 + 7 + 7)/7 \\
&:= 8 + (8 \times (88 + 8) - ((8 + 8)/8)) \\
&:= 9 \times 99 - (99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 775 &:= 1111 - ((1 + 1 + 1) \times (1 + 111)) \\
&:= 2 + (((2^{2+2} + 2/2)^2) + 22^2) \\
&:= 3333/3 - (333 + 3) \\
&:= 4 + ((4 - 4/4) \times (4/4 + 4^4)) \\
&:= 5 \times (5 \times (5 \times 5 + 5) + 5) \\
&:= 66 \times (6 + 6) - ((66/6) + 6) \\
&:= 777 - (7 + 7)/7 \\
&:= 8 + (8 \times (88 + 8) - 8/8) \\
&:= ((9 - 9/9) \times (99 - 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 776 &:= (111 \times (1 + ((1 + 1) \times (1 + 1 + 1)))) - 1 \\
&:= 2 \times (2 \times ((2^{2+2} - 2)^2) - 2) \\
&:= 3 + ((3^{3+3} + 33/3) + 33) \\
&:= 4 + ((4 \times (4 \times (44 + 4))) + 4) \\
&:= 5/5 + (5 \times (5 \times (5 \times 5 + 5) + 5)) \\
&:= 666 + (666 - 6)/6 \\
&:= 777 - 7/7 \\
&:= 8 + 8 \times (88 + 8) \\
&:= (9 - 9/9) \times (99 - ((9 + 9)/9))
\end{aligned}$$

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

$$\begin{aligned}
\blacktriangleright 778 &:= 1 + (111 \times (1 + ((1 + 1) \times (1 + 1 + 1)))) \\
&:= (2 \times (22 - 2)^2) - 22 \\
&:= 3333/3 - 333 \\
&:= 4 + ((4 - 4/4) \times ((4 + 4)/4 + 4^4)) \\
&:= ((5^5 - 5)/(5 - 5/5)) - (5 + 5)/5 \\
&:= 666 + (666 + 6)/6 \\
&:= 7/7 + 777 \\
&:= 8 + (8 \times (88 + 8) + ((8 + 8)/8)) \\
&:= 9 \times 9 \times 9 + ((9 \times 99 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 779 &:= 1 + (1 + (111 \times (1 + ((1 + 1) \times (1 + 1 + 1)))) \\
&:= 2/2 + ((2 \times (22 - 2)^2) - 22) \\
&:= (33 \times 3^3) - ((333 + 3)/3) \\
&:= 44/4 + (4 \times (4 \times (44 + 4))) \\
&:= ((5^5 - 5)/(5 - 5/5)) - 5/5 \\
&:= 66 \times (6 + 6) - (6/6 + 6 + 6) \\
&:= ((7 + 7)/7) + 777 \\
&:= 88/8 + 8 \times (88 + 8) \\
&:= 9 \times 99 - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 780 &:= (11 - 1) \times (111 - (11 \times (1 + 1 + 1))) \\
&:= 2 + ((2 \times (22 - 2)^2) - 22) \\
&:= (3^3 + 3) \times (3^3 - 3/3) \\
&:= (4 - 4/4) \times (4^4 + 4) \\
&:= (5^5 - 5)/(5 - 5/5) \\
&:= (6 + 6) \times (66 - 6/6) \\
&:= 777 + (7 + 7 + 7)/7 \\
&:= ((88 + 8)/8) + 8 \times (88 + 8) \\
&:= 9 \times 99 - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 781 &:= 11 \times (((1 + 11)^{1+1})/(1 + 1)) - 1 \\
&:= ((22 + 2 + 2 + 2)^2) - 2/2 - 2 \\
&:= 33/3 \times (((3 + 3)^3 - 3)/3) \\
&:= 4/4 + ((4 - 4/4) \times (4^4 + 4)) \\
&:= (5^5 - 5/5)/(5 - 5/5) \\
&:= 66 \times (6 + 6) - 66/6 \\
&:= 77/7 + (777 - 7) \\
&:= 88 + (8 \times 88 - (88/8)) \\
&:= 9 \times 99 + ((9 - 999)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 782 &:= 1 + (11 \times (((1 + 11)^{1+1})/(1 + 1)) - 1) \\
&:= ((22 + 2 + 2 + 2)^2) - 2 \\
&:= 3^3 + ((3^3 + 3 - 3/3) + 3^3) \\
&:= (4 + 4)/4 + ((4 - 4/4) \times (4^4 + 4)) \\
&:= 5 + (((5 + 5)/5 + 5) \times 555/5) \\
&:= ((6 - 66)/6) + 66 \times (6 + 6) \\
&:= 7 + (777 - ((7 + 7)/7)) \\
&:= 8 + ((8 \times (88 + 8) - ((8 + 8)/8)) + 8) \\
&:= 9 \times 99 - (9/9 + 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 783 &:= ((1 + ((1 + 1 + 1)^{1+1+1}))^{1+1}) - 1 \\
&:= ((22 + 2 + 2 + 2)^2) - 2/2 \\
&:= 3 \times (3 \times (3 \times 3^3 + 3 + 3)) \\
&:= (4 - 4/4) \times ((4/4 + 4^4) + 4) \\
&:= (((5 + 5)/5 + 5^5) + 5)/(5 - 5/5) \\
&:= 6 + (666/6 + 666) \\
&:= 7 + (777 - 7/7) \\
&:= (8/8 + 8) \times (88 - 8/8) \\
&:= 9 \times 99 - (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 784 &:= (1 + ((1 + 1 + 1)^{1+1+1}))^{1+1} \\
&:= (22 + 2 + 2 + 2)^2 \\
&:= (3^3 + 3/3)^{3-3/3} \\
&:= 4 \times ((4 \times (44 + 4)) + 4) \\
&:= (55/5 + 5^5)/(5 - 5/5) \\
&:= (6/6 + 6) \times (666 + 6)/6 \\
&:= 7 + 777 \\
&:= 8 + (8 \times (88 + 8) + 8) \\
&:= (9 - 9/9) \times (99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 785 &:= 1 + ((1 + ((1 + 1 + 1)^{1+1+1}))^{1+1}) \\
&:= 2/2 + ((22 + 2 + 2 + 2)^2) \\
&:= 3/3 + ((3^3 + 3/3)^{3-3/3}) \\
&:= 4/4 + (4 \times ((4 \times (44 + 4)) + 4)) \\
&:= 5 + ((5^5 - 5)/(5 - 5/5)) \\
&:= 66 \times (6 + 6) - 6/6 - 6 \\
&:= 7 + (777 + 7/7) \\
&:= 8 + ((8 \times (88 + 8) + 8/8) + 8) \\
&:= 9 + ((9 - 9/9) \times (99 - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 786 &:= 1 + (1 + ((1 + ((1 + 1 + 1)^{1+1+1}))^{1+1})) \\
&:= 2 + ((22 + 2 + 2 + 2)^2) \\
&:= (33 \times (3^3 - 3)) - (3 + 3) \\
&:= (4 + 4)/4 + (4 \times ((4 \times (44 + 4)) + 4)) \\
&:= 5 + ((5^5 - 5/5)/(5 - 5/5)) \\
&:= 66 \times (6 + 6) - 6 \\
&:= 7 + (((7 + 7)/7) + 777) \\
&:= 8 + ((8 \times (88 + 8) + ((8 + 8)/8)) + 8) \\
&:= 9 + ((9 - ((9 + 9)/9)) \times 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 787 &:= 111 + (((1 + 1) \times (1 + (1 + 11)))^{1+1}) \\
&:= 2 + (((22 + 2 + 2 + 2)^2) + 2/2) \\
&:= 3 + ((3^3 + 3/3)^{3-3/3}) \\
&:= 4 + ((4 - 4/4) \times ((4/4 + 4^4) + 4)) \\
&:= 5 + (((5 + 5)/5 + 5) \times 555/5 + 5) \\
&:= 6/6 + (66 \times (6 + 6) - 6) \\
&:= 777 + (77 - 7)/7 \\
&:= 8 + (8 \times (88 + 8) + (88/8)) \\
&:= 9999/9 - (9 + 9) \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 788 &:= 11 + (111 \times (1 + ((1 + 1) \times (1 + 1 + 1)))) \\
&:= 2 + (((22 + 2 + 2 + 2)^2) + 2) \\
&:= (33 \times (3^3 - 3)) - (3/3 + 3) \\
&:= 4 + (4 \times ((4 \times (44 + 4)) + 4)) \\
&:= 5 + (((5 + 5)/5 + 5^5) + 5)/(5 - 5/5) \\
&:= (6 + 6)/6 + (66 \times (6 + 6) - 6) \\
&:= 77/7 + 777 \\
&:= 8 + (((88 + 8)/8) + 8 \times (88 + 8)) \\
&:= 9 + (9 \times 99 - ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 789 &:= (1 + 1 + 1) \times (((1 + 1) \times (11 \times (1 + 11))) - 1) \\
&:= (2 \times (22 - 2)^2) - 22/2 \\
&:= (33 \times (3^3 - 3)) - 3 \\
&:= 4 + ((4 \times ((4 \times (44 + 4)) + 4)) + 4/4) \\
&:= 5 + ((55/5 + 5^5)/(5 - 5/5)) \\
&:= 66 + (((6 \times 6)/(6 + 6))^6) - 6 \\
&:= 777 + (77 + 7)/7 \\
&:= 888 - (88/8 + 88) \\
&:= 9 + (9 \times 99 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 790 &:= (1 + 1) \times ((11 \times ((1 + 1 + 1) \times (1 + 11))) - 1) \\
&:= (22 \times (2 + 2 + 2)^2) - 2 \\
&:= 3/3 + ((33 \times (3^3 - 3)) - 3) \\
&:= 4 + ((4 \times ((4 \times (44 + 4)) + 4)) + (4 + 4)/4) \\
&:= 5 + (((5^5 - 5)/(5 - 5/5)) + 5) \\
&:= 66 \times (6 + 6) - (6 + 6)/6 \\
&:= 7 + ((777 - 7/7) + 7) \\
&:= 88 + (8 \times 88 - ((8 + 8)/8)) \\
&:= 9 \times 99 - ((9 + 9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 791 &:= (11 \times (((1 + 11)^{1+1})/(1 + 1)) - 1) \\
&:= (22 \times (2 + 2 + 2)^2) - 2/2 \\
&:= (33 \times (3^3 - 3)) - 3/3 \\
&:= 44/4 + ((4 - 4/4) \times (4^4 + 4)) \\
&:= 55 + ((555 + 5^5)/5) \\
&:= 66 \times (6 + 6) - 6/6 \\
&:= 7 + (777 + 7) \\
&:= 88 + (8 \times 88 - 8/8) \\
&:= 9 \times 99 - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 792 &:= 11 \times (((1 + 11)^{1+1})/(1 + 1)) \\
&:= 22 \times (2 + 2 + 2)^2 \\
&:= 33 \times (3^3 - 3) \\
&:= 44 \times ((4 + 4)/4 + 4 \times 4) \\
&:= 55 + (((555 + 5^5) + 5)/5) \\
&:= 66 \times (6 + 6) \\
&:= 7 + ((777 + 7/7) + 7) \\
&:= 88 + 8 \times 88 \\
&:= 99 \times (9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 793 &:= 1 + (11 \times (((1+11)^{1+1})/(1+1))) \\
&:= 2/2 + (22 \times (2+2+2)^2) \\
&:= 3/3 + (33 \times (3^3-3)) \\
&:= 4/4 + (44 \times ((4+4)/4+4 \times 4)) \\
&:= 555 + (((5-(5+5)/5)^5) - 5) \\
&:= 6/6 + 66 \times (6+6) \\
&:= 7 + (((7+7)/7) + 777) + 7 \\
&:= 8/8 + (8 \times 88 + 88) \\
&:= 9/9 + (99 \times (9-9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 794 &:= 1 + (1 + (11 \times (((1+11)^{1+1})/(1+1)))) \\
&:= 2 + (22 \times (2+2+2)^2) \\
&:= 3 + ((33 \times (3^3-3)) - 3/3) \\
&:= 444 + (((4+4) \times 44) - (4+4)/4) \\
&:= (5 \times (5 \times ((5+5)/5)^5)) - (5/5+5) \\
&:= (6+6)/6 + 66 \times (6+6) \\
&:= 7 + (((77-7)/7) + 777) \\
&:= 88 + ((8+8)/8 + 8 \times 88) \\
&:= (9+9)/9 + (99 \times (9-9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 795 &:= 11 + ((1 + ((1+1+1)^{1+1+1}))^{1+1}) \\
&:= (2 \times ((22-2)^2 - 2)) - 2/2 \\
&:= 3 + (33 \times (3^3-3)) \\
&:= 444 + (((4+4) \times 44) - 4/4) \\
&:= (55+5^5)/(5-5/5) \\
&:= 66 + ((6 \times 6)/(6+6))^6 \\
&:= 7 + (77/7 + 777) \\
&:= 8 + ((8 \times (88+8) + (88/8)) + 8) \\
&:= 9 \times 99 + (((9+9+9)/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 796 &:= (1+1) \times (((1+1) \times (11-1))^{1+1}) - (1+1) \\
&:= 2 \times ((22-2)^2 - 2) \\
&:= 3 + ((33 \times (3^3-3)) + 3/3) \\
&:= 444 + ((4+4) \times 44) \\
&:= 5 + (((555+5^5)/5) + 55) \\
&:= 6 + (66 \times (6+6) - ((6+6)/6)) \\
&:= 7 + ((77+7)/7 + 777) \\
&:= 88 + ((8/((8+8)/8)) + 8 \times 88) \\
&:= 9 + (9999/9 - (9+9) \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 797 &:= ((11 \times (1 + ((1+11)^{1+1}))) - 1)/(1+1) \\
&:= 2/2 + (2 \times ((22-2)^2 - 2)) \\
&:= 3 + (((33 \times (3^3-3)) - 3/3) + 3) \\
&:= (4 \times 44) + ((4/4+4)^4 - 4) \\
&:= 5 + (((555+5^5) + 5)/5) + 55 \\
&:= 6 + (66 \times (6+6) - 6/6) \\
&:= 7 + (((777-7)/7) + 7) + 7 \\
&:= 8 + (888 - (88/8 + 88)) \\
&:= 9 \times (9 \times 9 + 9) - ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 798 &:= (1+1) \times (((1+1) \times (11-1))^{1+1}) - 1 \\
&:= (2 \times (22-2)^2) - 2 \\
&:= 3 + ((33 \times (3^3-3)) + 3) \\
&:= (4-4/4) \times ((44-4)/4+4^4) \\
&:= 555 + ((5-(5+5)/5)^5) \\
&:= 6 + 66 \times (6+6) \\
&:= 7 + (777+7+7) \\
&:= 888 - ((8+8)/8 + 88) \\
&:= 9 \times (9 \times 9 + 9) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 799 &:= ((1+1) \times (((1+1) \times (11-1))^{1+1})) - 1 \\
&:= (2 \times (22-2)^2) - 2/2 \\
&:= (3^3 \times (3^3+3)) - 33/3 \\
&:= ((4 \times 4 + 4) \times (44-4)) - 4/4 \\
&:= (5 \times (5 \times ((5+5)/5)^5)) - 5/5 \\
&:= 6 + (66 \times (6+6) + 6/6) \\
&:= 7 + (((777+7)/7) + 7) + 7 \\
&:= 888 - (8/8 + 88) \\
&:= 9 \times (9 \times 9 + 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 800 &:= (1+1) \times (((1+1) \times (11-1))^{1+1}) \\
&:= 2 \times (22-2)^2 \\
&:= 3^{3+3} + (((3+3)^3 - 3)/3) \\
&:= (4 \times 4 + 4) \times (44-4) \\
&:= 5 \times (5 \times ((5+5)/5)^5) \\
&:= 6 + (66 \times (6+6) + ((6+6)/6)) \\
&:= 7 + (((7+7)/7) + 777) + 7 + 7 \\
&:= 888 - 88 \\
&:= (9-9/9) \times (9/9+99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 801 &:= 1 + ((1+1) \times (((1+1) \times (11-1))^{1+1})) \\
&:= 2/2 + (2 \times (22-2)^2) \\
&:= 3 \times ((3 \times (3 \times (3^3+3))) - 3) \\
&:= (4 \times 44) + (4/4+4)^4 \\
&:= 5/5 + (5 \times (5 \times ((5+5)/5)^5)) \\
&:= 6 + (((6 \times 6)/(6+6))^6) + 66 \\
&:= 7 + (((77-7)/7) + 777) + 7 \\
&:= 8/8 + (888 - 88) \\
&:= 9 \times (9 \times 9 + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 802 &:= (1+1) \times (1 + (((1+1) \times (11-1))^{1+1})) \\
&:= 2 + (2 \times (22-2)^2) \\
&:= 3^{3+3} + (((3+3)^3 + 3)/3) \\
&:= 4/4 + ((4/4+4)^4 + (4 \times 44)) \\
&:= (5+5)/5 + (5 \times (5 \times ((5+5)/5)^5)) \\
&:= 66 \times (6+6) + (66-6)/6 \\
&:= 7 + ((77/7 + 777) + 7) \\
&:= 888 + (((8+8)/8) - 88) \\
&:= 9/9 + (9 \times (9 \times 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 803 &:= 11 \times (1 + (((1+11)^{1+1})/(1+1))) \\
&:= 2 + ((2 \times (22-2)^2) + 2/2) \\
&:= 33/3 + (33 \times (3^3-3)) \\
&:= 4 + (((4 \times 4 + 4) \times (44-4)) - 4/4) \\
&:= 5 + (((5-(5+5)/5)^5) + 555) \\
&:= 66/6 + 66 \times (6+6) \\
&:= 7 + (((77+7)/7 + 777) + 7) \\
&:= 88 + (88/8 + 8 \times 88) \\
&:= (9+9)/9 + (9 \times (9 \times 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 804 &:= 1 + (11 \times (1 + (((1+11)^{1+1})/(1+1)))) \\
&:= 2 \times ((22-2)^2 + 2) \\
&:= (3^3 \times (3^3+3)) - (3+3) \\
&:= 4 + ((4 \times 4 + 4) \times (44-4)) \\
&:= 5 + ((5 \times (5 \times ((5+5)/5)^5)) - 5/5) \\
&:= 6 + (66 \times (6+6) + 6) \\
&:= 7 + (((777-7)/7) + 7) + 7 + 7 \\
&:= 88 + (((88+8)/8) + 8 \times 88) \\
&:= 9 \times 99 + (((99+9)/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 805 &:= ((1+1)^{11}) - (11 \times (1 + (1+111))) \\
&:= 2/2 + (2 \times ((22-2)^2 + 2)) \\
&:= 3 + (((3+3)^3 + 3)/3) + 3^{3+3} \\
&:= 4 + ((4/4+4)^4 + (4 \times 44)) \\
&:= 5 + (5 \times (5 \times ((5+5)/5)^5)) \\
&:= 6 + ((66 \times (6+6) + 6/6) + 6) \\
&:= 7 + (777 + 7 + 7 + 7) \\
&:= 8 \times 88 + (8888/88) \\
&:= 9 \times (9 \times 9 + 9) + ((9-99)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 806 &:= 1 + (((1+1)^{11}) - (11 \times (1 + (1+111)))) \\
&:= 2 + (2 \times ((22-2)^2 + 2)) \\
&:= (3^3 \times (3^3+3)) - (3/3+3) \\
&:= ((44-4)/4 \times (4-4/4)^4) - 4 \\
&:= 5 + ((5 \times (5 \times ((5+5)/5)^5)) + 5/5) \\
&:= 6 + ((66 \times (6+6) + ((6+6)/6)) + 6) \\
&:= 7 + (((777+7)/7) + 7) + 7 + 7 \\
&:= 8 + (888 - ((8+8)/8 + 88)) \\
&:= 9 \times (9 \times 9 + 9) + ((9-9 \times 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 807 &:= (1 + ((1+1) \times (11 \times (111-1))))/(1+1+1) \\
&:= 2 + ((2 \times ((22-2)^2 + 2)) + 2/2) \\
&:= (3^3 \times (3^3+3)) - 3 \\
&:= 4 + (((4 \times 4 + 4) \times (44-4)) - 4/4) + 4 \\
&:= 5 + ((5 \times (5 \times ((5+5)/5)^5)) + ((5+5)/5)) \\
&:= 6 + (((6 \times 6)/(6+6))^6) + 66 + 6 \\
&:= (7 \times 7 \times (7+7)) + (((7+7)/7)^7 - 7) \\
&:= 8 + (888 - (8/8 + 88)) \\
&:= 9 \times (9 \times 9 + 9) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 808 &:= (1+1)^{1+1+1} \times (1+(11-1)^{1+1}) \\
&:= 2 \times (((22-2)^2+2)+2) \\
&:= 3/3 + ((3^3 \times (3^3+3)) - 3) \\
&:= 4 + (((4 \times 4 + 4) \times (44-4)) + 4) \\
&:= 5 + (((5-5+5)/5)^5 + 555) + 5) \\
&:= 6 + (66 \times (6+6) + ((66-6)/6)) \\
&:= 7 \times 7 + (777 - (77/7 + 7)) \\
&:= 8 + (888 - 88) \\
&:= 9 \times (9 \times 9 + 9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 809 &:= ((11-1) \times (11-1-1)^{1+1}) - 1 \\
&:= 2/2 + (2 \times (((22-2)^2+2)+2)) \\
&:= (3^3 \times (3^3+3)) - 3/3 \\
&:= 4 + (((4/4+4)^4 + (4 \times 44)) + 4) \\
&:= (55 \times (5+5+5)) - (55/5+5) \\
&:= 6 + (66 \times (6+6) + (66/6)) \\
&:= 7 + (((77/7+777)+7)+7) \\
&:= 8 + ((888-88)+8/8) \\
&:= 9 \times (9 \times 9 + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 810 &:= (11-1) \times (11-1-1)^{1+1} \\
&:= 2 + (2 \times (((22-2)^2+2)+2)) \\
&:= 3^3 \times (3^3+3) \\
&:= (44-4)/4 \times (4-4/4)^4 \\
&:= (5+5+5) \times (55-5/5) \\
&:= 6 + ((66 \times (6+6)+6)+6) \\
&:= (7-7/7) \times (((7+7)/7)^7 + 7) \\
&:= (8/8+8) \times ((8+8)/8+88) \\
&:= 9 \times (9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 811 &:= 1 + (11-1) \times (11-1-1)^{1+1} \\
&:= 22/2 + (2 \times (22-2)^2) \\
&:= 3/3 + (3^3 \times (3^3+3)) \\
&:= 44 + (4 \times 4^4 - (4/4+4^4)) \\
&:= 5/5 + ((5+5+5) \times (55-5/5)) \\
&:= 6 + (((66 \times (6+6)+6/6)+6)+6) \\
&:= 77 + ((7 \times (7 \times (7+7)+7)) - 7/7) \\
&:= 888 + (88/8 - 88) \\
&:= 9/9 + 9 \times (9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 812 &:= 1 + 1 + (11-1) \times (11-1-1)^{1+1} \\
&:= 2 \times (((22-2)^2+2)+2) \\
&:= 3 + ((3^3 \times (3^3+3)) - 3/3) \\
&:= 44 + (4 \times (4 \times (44+4))) \\
&:= ((5+5)/5+5) \times (555/5+5) \\
&:= (6/6+6) \times (((666-6)/6)+6) \\
&:= 77 + (7 \times (7 \times (7+7)+7)) \\
&:= 888 + ((88+8)/8 - 88) \\
&:= (9+9)/9 + 9 \times (9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 813 &:= ((1+1) \times (11 \times (111/(1+1+1)))) - 1 \\
&:= 2 + ((2 \times (22-2)^2) + 22/2) \\
&:= 3 + (3^3 \times (3^3+3)) \\
&:= 44 + ((4 \times (4 \times (44+4))) + 4/4) \\
&:= (55 \times (5+5+5)) - (55+5)/5 \\
&:= 6 \times 6 + (666/6 + 666) \\
&:= 7/7 + ((777 - (7+7)) + 7 \times 7) \\
&:= 888 - (88/8 + 8 \times 8) \\
&:= 9 \times (9 \times 9 + 9) + ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 814 &:= (1+1) \times (11 \times (111/(1+1+1))) \\
&:= 22 + (22 \times (2+2+2)^2) \\
&:= 3 + ((3^3 \times (3^3+3)) + 3/3) \\
&:= 4 + ((44-4)/4 \times (4-4/4)^4) \\
&:= (55 \times (5+5+5)) - 55/5 \\
&:= (66/6) \times (((6+6)/6)+66)+6) \\
&:= (7 \times 7 \times (7+7)) + ((7+7)/7)^7 \\
&:= 8 \times 88 + ((888-8)/8) \\
&:= 99/9 \times (((9+9)/9) - 9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 815 &:= 1 + ((1+1) \times (11 \times (111/(1+1+1)))) \\
&:= 22/2 + (2 \times ((22-2)^2+2)) \\
&:= 3 + (((3^3 \times (3^3+3)) - 3/3) + 3) \\
&:= 4 \times 4 \times 44 + 444/4 \\
&:= (55 \times (5+5+5)) - 5-5 \\
&:= 6 + ((66 \times (6+6) + (66/6)) + 6) \\
&:= 7 \times 7 + (777 - (77/7)) \\
&:= 8 \times 88 + 888/8 \\
&:= 9 \times (9 \times 9 + 9) + ((9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 816 &:= ((1+1)^{11}) - (11 \times (1+111)) \\
&:= 2 \times ((22-2)^2+2 \times (2+2)) \\
&:= 3 + ((3^3 \times (3^3+3)) + 3) \\
&:= 4 \times (4 \times (44-4) + 44) \\
&:= 5/5 + ((55 \times (5+5+5)) - (5+5)) \\
&:= (6+6) \times (((6+6)/6)+66) \\
&:= 7 \times 7 + (((7-77)/7)+777) \\
&:= 888 - (8 \times 8 + 8) \\
&:= (9-9/9) \times (999/9-9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 817 &:= 1 + (((1+1)^{11}) - (11 \times (1+111))) \\
&:= ((22+2)^2) + (22^2-2)/2 \\
&:= 3 + (((3^3 \times (3^3+3)) + 3/3) + 3) \\
&:= (4 \times (44+4)) + (4/4+4)^4 \\
&:= 5 + (((5+5)/5+5) \times (555/5+5)) \\
&:= 6 \times 6 + (66 \times (6+6) - (66/6)) \\
&:= 7 + ((7-7/7) \times (((7+7)/7)^7 + 7)) \\
&:= 8/8 + (888 - (8 \times 8 + 8)) \\
&:= 9 + (9 \times (9 \times 9 + 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 818 &:= 1 + (1 + (((1+1)^{11}) - (11 \times (1+111)))) \\
&:= 22 + (2 \times ((22-2)^2-2)) \\
&:= 3^3 + ((33 \times (3^3-3)) - 3/3) \\
&:= 4 + (((44-4)/4 \times (4-4/4)^4) + 4) \\
&:= (55 \times (5+5+5)) - ((5+5)/5+5) \\
&:= (6 - (((6+6)/6)^{6+6}))/((6/6-6)) \\
&:= 7 \times 7 + (777 - (7/7+7)) \\
&:= 8 + ((8/8+8) \times ((8+8)/8+88)) \\
&:= 9 + (9 \times (9 \times 9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 819 &:= 11^{1+1+1} - (1+1)^{11-1-1} \\
&:= ((22+2)^2) + (22^2+2)/2 \\
&:= 3 \times ((3 \times (3 \times (3^3+3))) + 3) \\
&:= (((4+4)^4) - 4/4)/(4/4+4) \\
&:= (55 \times (5+5+5)) - (5/5+5) \\
&:= (6/6+6) \times (666/6+6) \\
&:= 7 \times 7 + (777-7) \\
&:= 8 + ((888-88) + (88/8)) \\
&:= 9 + 9 \times (9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 820 &:= (11-1) \times (1+(11-1-1)^{1+1}) \\
&:= 22 + ((2 \times (22-2)^2) - 2) \\
&:= 3^3 + ((33 \times (3^3-3)) + 3/3) \\
&:= (((4+4)^4) + 4)/(4/4+4) \\
&:= (55 \times (5+5+5)) - 5 \\
&:= 6 + (((66+66)/6) + 66 \times (6+6)) \\
&:= 7/7 + (777 - 7 + 7 \times 7) \\
&:= (((88/8-8)^8) - 8/8)/8 \\
&:= 9 + (9 \times (9 \times 9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 821 &:= 1 + ((11-1) \times (1+(11-1-1)^{1+1})) \\
&:= 22 + ((2 \times (22-2)^2) - 2/2) \\
&:= 33/3 + (3^3 \times (3^3+3)) \\
&:= 4 + ((4 \times (44+4)) + (4/4+4)^4) \\
&:= 5/5 + ((55 \times (5+5+5)) - 5) \\
&:= 6 \times 6 + (66 \times (6+6) - (6/6+6)) \\
&:= 7 + ((7 \times 7 \times (7+7)) + ((7+7)/7)^7) \\
&:= 8 \times (88+8+8) - 88/8 \\
&:= 99/9 + 9 \times (9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 822 &:= (1+1) \times (11 + (((1+1) \times (11-1))^{1+1})) \\
&:= 22 + (2 \times (22-2)^2) \\
&:= 3 + ((33 \times (3^3-3)) + 3^3) \\
&:= (4+4)/4 + (((4+4)^4) + 4)/(4/4+4) \\
&:= (5+5)/5 + ((55 \times (5+5+5)) - 5) \\
&:= 6 \times 6 + (66 \times (6+6) - 6) \\
&:= 7 + ((777 - (77/7)) + 7 \times 7) \\
&:= 888 - (((8+8)/8) + 8 \times 8) \\
&:= 9 \times (9 \times 9 + 9) + (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 823 &:= 1111 - ((1+1) \times ((1+11)^{1+1})) \\
&:= 22 + ((2 \times (22-2)^2) + 2/2) \\
&:= 3 + (((33 \times (3^3-3)) + 3^3) + 3/3) \\
&:= 4 + (((4+4)^4) - 4/4)/(4/4+4) \\
&:= (55 \times (5+5+5)) - (5+5)/5 \\
&:= 6 \times 6 + ((66 \times (6+6) - 6) + 6/6) \\
&:= 7 \times 7 + (777 - ((7+7+7)/7)) \\
&:= 888 - (8/8 + 8 \times 8) \\
&:= 9 \times (9 \times 9 + 9) + ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 824 &:= 1 + (1111 - ((1+1) \times ((1+11)^{1+1}))) \\
&:= 2 + ((2 \times (22-2)^2) + 22) \\
&:= 3 + ((3^3 \times (3^3+3)) + 33/3) \\
&:= 4 + (((4+4)^4) + 4)/(4/4+4) \\
&:= (55 \times (5+5+5)) - 5/5 \\
&:= 6 + ((6 - (((6+6)/6)^{6+6}))/((6/6-6)) \\
&:= 7 \times 7 + (777 - ((7+7)/7)) \\
&:= 888 - 8 \times 8 \\
&:= (9-9/9) \times (((999+9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 825 &:= 11 \times (1 + ((1+1) \times (111/(1+1+1)))) \\
&:= ((2 \times 22)^2) - (2222/2) \\
&:= 33 + (33 \times (3^3-3)) \\
&:= 44/4 \times ((44+4^4)/4) \\
&:= 55 \times (5+5+5) \\
&:= 6 + ((6/6+6) \times (666/6+6)) \\
&:= 7 \times 7 + (777 - 7/7) \\
&:= 8/8 + (888 - 8 \times 8) \\
&:= 9 + ((9-9/9) \times (999/9-9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 826 &:= ((1+1)^{11}) - (1+11 \times 111) \\
&:= 22 + (2 \times ((22-2)^2 + 2)) \\
&:= 3/3 + ((33 \times (3^3-3)) + 33) \\
&:= ((44 \times ((44+4^4)/4) + 4)/4) \\
&:= 5/5 + (55 \times (5+5+5)) \\
&:= 6 \times 6 + (66 \times (6+6) - ((6+6)/6)) \\
&:= 7 \times 7 + 777 \\
&:= 888 + (((8+8)/8) - 8 \times 8) \\
&:= 99 + (9 \times 9 \times 9 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 827 &:= ((1+1)^{11}) - 11 \times 111 \\
&:= 2 + (((2 \times 22)^2) - (2222/2)) \\
&:= 3 \times 33 + (3^{3+3} - 3/3) \\
&:= (4 \times (4 \times (44+4+4))) - (4/4+4) \\
&:= (5+5)/5 + (55 \times (5+5+5)) \\
&:= 6 \times 6 + (66 \times (6+6) - 6/6) \\
&:= 7/7 + (777 + 7 \times 7) \\
&:= 888 + (88/8 - (8 \times 8 + 8)) \\
&:= 99 + (9 \times 9 \times 9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 828 &:= 1 + (((1+1)^{11}) - 11 \times 111) \\
&:= (2^{2+2} + 2) \times ((2 \times 22) + 2) \\
&:= 3 \times 33 + 3^{3+3} \\
&:= (4 \times (4 \times (44+4+4))) - 4 \\
&:= 5 + ((55 \times (5+5+5)) - ((5+5)/5)) \\
&:= 6 \times ((66+66) + 6) \\
&:= 7 \times 7 + (((7+7)/7) + 777) \\
&:= 8 + (((88/8-8)^8) - 8/8/8) \\
&:= 99 + 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 829 &:= 1 + (1 + (((1+1)^{11}) - 11 \times 111)) \\
&:= 2/2 + ((2^{2+2} + 2) \times ((2 \times 22) + 2)) \\
&:= 3/3 + (3 \times 33 + 3^{3+3}) \\
&:= 4 + (44/4 \times ((44+4^4)/4)) \\
&:= 5 + ((55 \times (5+5+5)) - 5/5) \\
&:= 6 \times 6 + (66 \times (6+6) + 6/6) \\
&:= (77/7 \times (77-7/7)) - 7 \\
&:= 8 + (8 \times (88+8+8) - 88/8) \\
&:= 9/9 + (9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 830 &:= (11-1) \times (1 + (1 + (11-1-1)^{1+1})) \\
&:= 2 + ((2^{2+2} + 2) \times ((2 \times 22) + 2)) \\
&:= 3 + ((3^{3+3} - 3/3) + 3 \times 33) \\
&:= (4 \times (4 \times (44+4+4))) - (4+4)/4 \\
&:= 5 + (55 \times (5+5+5)) \\
&:= 6 \times 6 + (66 \times (6+6) + ((6+6)/6)) \\
&:= 7 \times 7 + ((777-7) + (77/7)) \\
&:= 8 \times (88+8+8) - (8+8)/8 \\
&:= 9 + (9 \times (9 \times 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 831 &:= 1 + ((11-1) \times (1 + (1 + (11-1-1)^{1+1}))) \\
&:= (2/2+2) \times (((22+2)^2) - 22)/2) \\
&:= 3 + (3 \times 33 + 3^{3+3}) \\
&:= (4 \times (4 \times (44+4+4))) - 4/4 \\
&:= 5 + ((55 \times (5+5+5)) + 5/5) \\
&:= 6 \times 6 + (((6 \times 6)/(6+6))^6 + 66) \\
&:= 7 + ((777 - ((7+7)/7)) + 7 \times 7) \\
&:= 8 \times (88+8+8) - 8/8 \\
&:= 9 \times 9 \times 9 + (999/9-9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 832 &:= (1 + (1+11)) \times ((1+1)^{(1+1) \times (1+1+1)}) \\
&:= 2 \times ((22-2)^2 + 2^{2+2}) \\
&:= (3^3 - 3/3) \times (33 - 3/3) \\
&:= 4 \times (4 \times (44+4+4)) \\
&:= (5 \times 5 + 5/5) \times ((5+5)/5)^5 \\
&:= (6/6 + 6 + 6) \times ((6+6)/6)^6 \\
&:= 7 + ((777 - 7/7) + 7 \times 7) \\
&:= 8 \times (88+8+8) \\
&:= 9 \times 9 \times 9 + (((999+9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 833 &:= 1 + ((1 + (1+11)) \times ((1+1)^{(1+1) \times (1+1+1)})) \\
&:= 22 + ((2 \times (22-2)^2) + 22/2) \\
&:= (3333 - 3/3)/(3/3+3) \\
&:= 4/4 + (4 \times (4 \times (44+4+4))) \\
&:= 5^5/5 + ((5^5-5)/(5+5+5)) \\
&:= 6 + ((66 \times (6+6) - 6/6) + 6 \times 6) \\
&:= 7 + (777 + 7 \times 7) \\
&:= 8/8 + 8 \times (88+8+8) \\
&:= 9 + ((9-9/9) \times (((999+9)/9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 834 &:= (1+1) \times ((11 \times (1 + (111/(1+1+1)))) - 1) \\
&:= (22 \times ((2+2+2)^2 + 2)) - 2 \\
&:= 3 + ((3 \times 33 + 3^{3+3}) + 3) \\
&:= (4+4)/4 + (4 \times (4 \times (44+4+4))) \\
&:= 5 + (((55 \times (5+5+5)) - 5/5) + 5) \\
&:= 6 + (66 \times (6+6) + 6 \times 6) \\
&:= 7 + ((777 + 7 \times 7) + 7/7) \\
&:= (8+8)/8 + 8 \times (88+8+8) \\
&:= (9999+9)/((99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 835 &:= 1111 - ((1+11) \times (1 + (11+11))) \\
&:= (22 \times ((2+2+2)^2 + 2)) - 2/2 \\
&:= 3 + ((3^3 - 3/3) \times (33 - 3/3)) \\
&:= 4 + ((4 \times (4 \times (44+4+4))) - 4/4) \\
&:= 5 + ((55 \times (5+5+5)) + 5) \\
&:= 6 + ((66 \times (6+6) + 6 \times 6) + 6/6) \\
&:= (77 \times 77 - (77+77))/7 \\
&:= 888 + (88/8 - 8 \times 8) \\
&:= 9 + ((9 \times 9 \times 9 - ((9+9)/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 836 &:= (1+1) \times (11 \times (1 + (111/(1+1+1)))) \\
&:= 22 \times ((2+2+2)^2 + 2) \\
&:= 3^3 + ((3^3 \times (3^3+3)) - 3/3) \\
&:= 4 + (4 \times (4 \times (44+4+4))) \\
&:= 55/5 + (55 \times (5+5+5)) \\
&:= (66/6) \times (((6+6)/6)^6 + 6) + 6 \\
&:= 77/7 \times (77-7/7) \\
&:= 888 + ((88+8)/8 - 8 \times 8) \\
&:= 9 + ((9 \times 9 \times 9 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 837 &:= ((1+1)^{11}) - (1 + (11 \times (111-1))) \\
&:= 2/2 + (22 \times ((2+2+2)^2 + 2)) \\
&:= 3 \times (3 \times ((3 \times (3^3+3)) + 3)) \\
&:= 4^4 + (((4/4+4)^4) - 44) \\
&:= 5 + ((5 \times 5 + 5/5) \times ((5+5)/5)^5) \\
&:= (66 \times 66 + 666)/6 \\
&:= 7 \times 7 + (77/7 + 777) \\
&:= 8 + ((8 \times (88+8+8) - 88/8) + 8) \\
&:= 9 + (9 \times 9 \times 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 838 &:= ((1+1)^{11}) - (11 \times (111-1)) \\
&:= 2 + (22 \times ((2+2+2)^2 + 2)) \\
&:= 3^3 + ((3^3 \times (3^3+3)) + 3/3) \\
&:= (4-44)/4 + 4 \times (4^4-44) \\
&:= 5 + (((5^5-5)/(5+5+5)) + 5^5/5) \\
&:= 6 + ((6/6+6+6) \times ((6+6)/6)^6) \\
&:= ((77 \times 77 - (7+7))/7) - 7 \\
&:= 8 + (8 \times (88+8+8) - ((8+8)/8)) \\
&:= 9 + ((9 \times 9 \times 9 + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 839 &:= 1 + (((1+1)^{11}) - (11 \times (111-1))) \\
&:= ((2-22) \times (2 - (2 \times 22))) - 2/2 \\
&:= 3^{3+3} + ((333-3)/3) \\
&:= 4444/4 - (4 \times 4 + 4^4) \\
&:= ((5+5+5) \times (55+5/5)) - 5/5 \\
&:= 6 \times 6 + (66 \times (6+6) + (66/6)) \\
&:= ((77 \times 77 - 7)/7) - 7 \\
&:= 8 + (8 \times (88+8+8) - 8/8) \\
&:= 99 + (9 \times 9 \times 9 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 840 &:= 111 + (11-1-1)^{1+1+1} \\
&:= (2-22) \times (2 - (2 \times 22)) \\
&:= 3^{3+3} + 333/3 \\
&:= 4 \times (4^4-44) - 4-4 \\
&:= (5+5+5) \times (55+5/5) \\
&:= (6+6) \times (((6+6)/6)^6 + 6) \\
&:= (77 \times (77/7)) - 7 \\
&:= 8+8 \times (88+8+8) \\
&:= 9 \times 9 \times 9 + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 841 &:= (((11-1) \times (1+1+1)) - 1)^{1+1} \\
&:= (((22+2/2) + 2) + 2)^2 \\
&:= 3^{3+3} + ((333+3)/3) \\
&:= 4 + (((4/4+4)^4 - 44) + 4^4) \\
&:= (5 \times 5 - 5/5 + 5)^{(5+5)/5} \\
&:= (6 \times 6 - (6/6+6))^{(6+6)/6} \\
&:= ((77 \times 77 + 7)/7) - 7 \\
&:= 8 + (8 \times (88+8+8) + 8/8) \\
&:= 9 \times 9 \times 9 + ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 842 &:= 1 + (((11-1) \times (1+1+1)) - 1)^{1+1} \\
&:= 2 + ((2-22) \times (2 - (2 \times 22))) \\
&:= 3 + (((333-3)/3) + 3^{3+3}) \\
&:= 4 \times (4^4-44) - ((4+4)/4+4) \\
&:= 5 + (((5 \times 5 + 5/5) \times ((5+5)/5)^5) + 5) \\
&:= 6 + ((66/6) \times (((6+6)/6)^6 + 6) + 6) \\
&:= (((77 \times 77 + 7) + 7)/7) - 7 \\
&:= 8 + (8 \times (88+8+8) + ((8+8)/8)) \\
&:= 9 \times 9 \times 9 + ((999+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 843 &:= 1 + (1 + (((11-1) \times (1+1+1)) - 1)^{1+1}) \\
&:= 2 + (((22+2/2) + 2) + 2)^2 \\
&:= 33 + (3^3 \times (3^3+3)) \\
&:= 4 \times (4^4-44) - (4/4+4) \\
&:= 5^5/5 + (((5 - (5+5)/5)^5) - 5 \times 5) \\
&:= 6 + ((66 \times 66 + 666)/6) \\
&:= 7 + (77/7 \times (77-7/7)) \\
&:= 88/8 + 8 \times (88+8+8) \\
&:= 9 + ((9999+9)/(99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 844 &:= (1+1) \times ((1+1) \times ((1+1) \times 111-11)) \\
&:= 2 \times ((22-2)^2 + 22) \\
&:= 3 + (((333+3)/3) + 3^{3+3}) \\
&:= 4 \times (4^4-44) - 4 \\
&:= 5 \times 55 + ((5^5-5)/5-55) \\
&:= 6 + (((6/6+6+6) \times ((6+6)/6)^6) + 6) \\
&:= (77 \times 77 - (7+7+7))/7 \\
&:= 888 - (88/((8+8)/8)) \\
&:= 9 + (((9 \times 9 \times 9 - (9+9)/9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 845 &:= (1 + (1 + (1 + 1 + 1))) \times ((1 + (1 + 11))^{1+1}) \\
&:= 2/2 + (2 \times ((22-2)^2 + 22)) \\
&:= 333 + ((3-3/3)^{3 \times 3}) \\
&:= 4/4 + (4 \times (4^4-44) - 4) \\
&:= 5 + ((5+5+5) \times (55+5/5)) \\
&:= (6/6+6+6) \times (66-6/6) \\
&:= (77 \times 77 - (7+7))/7 \\
&:= 88 + (8 \times (88+8) - (88/8)) \\
&:= 9 + (((9 \times 9 \times 9 - 9/9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 846 &:= (11 \times (11 \times (1 + ((1+1) \times (1+1+1)))) - 1) \\
&:= 2 + (2 \times ((22-2)^2 + 22)) \\
&:= 3 + ((3^3 \times (3^3+3)) + 33) \\
&:= 4 \times (4^4-44) - (4+4)/4 \\
&:= 5 + ((5 \times 5 - 5/5 + 5)^{(5+5)/5}) \\
&:= 666 + 6 \times (6 \times 6 - 6) \\
&:= (77 \times 77 - 7)/7 \\
&:= (8/8+8) \times ((88 - ((8+8)/8)) + 8) \\
&:= 9 + ((9 \times 9 \times 9 + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 847 &:= 11 \times (11 \times (1 + ((1+1) \times (1+1+1)))) \\
&:= (2 \times 22^2) - (22/2)^2 \\
&:= 33/3 \times (3 \times 3^3 - (3/3+3)) \\
&:= 4 \times (4^4-44) - 4/4 \\
&:= ((555+555) + 5^5)/5 \\
&:= (66/6) \times (66/6+66) \\
&:= 77 \times (77/7) \\
&:= 88/8 \times (88-88/8) \\
&:= 9 + (((9 \times 9 \times 9 + 99) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 848 &:= 1 + (11 \times (11 \times (1 + ((1+1) \times (1+1+1)))))) \\
&:= 2 \times (((22-2)^2 + 22) + 2) \\
&:= 3 + (((3-3/3)^{3 \times 3}) + 333) \\
&:= 4 \times (4^4-44) \\
&:= (55/5+5) \times (55 - (5+5)/5) \\
&:= ((66 \times (66/6+66)) + 6)/6 \\
&:= (77 \times 77 + 7)/7 \\
&:= 8 + (8 \times (88+8+8) + 8) \\
&:= 9 + ((9 \times 9 \times 9 + (99/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 849 &:= ((1+1)^{11}) - (11 \times (111-1-1)) \\
&:= 2 + ((2 \times 22^2) - (22/2)^2) \\
&:= (33 \times 3^3) - (3 \times 3 + 33) \\
&:= 4/4 + 4 \times (4^4-44) \\
&:= 5 \times 5 + ((55 \times (5+5+5)) - 5/5) \\
&:= 6 + (((66 \times 66 + 666)/6) + 6) \\
&:= ((77 \times 77 + 7) + 7)/7 \\
&:= 8 + ((8 \times (88+8+8) + 8/8) + 8) \\
&:= 9 + (999/9 + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 850 &:= 11^{1+1} + (11-1-1)^{1+1+1} \\
&:= 2 + (2 \times (((22-2)^2 + 22) + 2)) \\
&:= 3^{3+3} + ((33/3)^{3-3/3}) \\
&:= (4+4)/4 + 4 \times (4^4-44) \\
&:= 5 \times ((5 \times ((5 \times 5 + 5) + 5)) - 5) \\
&:= 66 \times (6+6) + (((6+6)/6)^6 - 6) \\
&:= (((77 \times 77 + 7) + 7) + 7)/7 \\
&:= 8 + ((8 \times (88+8+8) + ((8+8)/8)) + 8) \\
&:= 9 + (((999+9)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 851 &:= (1 + (11 + 11)) \times (111/(1+1+1)) \\
&:= (2 \times (22^2 + 2)) - (22/2)^2 \\
&:= 3^{3+3} + ((3^{3+3} + 3)/(3+3)) \\
&:= 4 + (4 \times (4^4-44) - 4/4) \\
&:= 5 \times 5 + ((55 \times (5+5+5)) + 5/5) \\
&:= 6 + ((6/6+6+6) \times (66-6/6)) \\
&:= (77/7 \times (7/7+7)) - 7 \\
&:= 8 + (8 \times (88+8+8) + 88/8) \\
&:= 9 \times 9 \times 9 + (999+99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 852 &:= 11 + (((11-1) \times (1+1+1)) - 1)^{1+1} \\
&:= 2 \times ((2 \times (222+2)) - 22) \\
&:= (3/3+3) \times ((3+3)^3 - 3) \\
&:= 4 + 4 \times (4^4-44) \\
&:= 5 + (((555+555) + 5^5)/5) \\
&:= 66 + (66 \times (6+6) - 6) \\
&:= 7 + ((77 \times 77 - (7+7))/7) \\
&:= 8 + (888 - (88/((8+8)/8))) \\
&:= ((99+9)/9) \times (9 \times 9 - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 853 &:= (((1+11)^{1+1+1})/(1+1)) - 11 \\
&:= (2 \times (22^2 - 2)) - 222/2 \\
&:= 3/3 + ((3/3+3) \times ((3+3)^3 - 3)) \\
&:= 4 + (4 \times (4^4 - 44) + 4/4) \\
&:= 5 + ((55/5+5) \times (55 - (5+5)/5)) \\
&:= (6 \times (6+6) \times (6+6)) - 66/6 \\
&:= 7 + ((77 \times 77 - 7)/7) \\
&:= 888 - ((88/8+8+8) + 8) \\
&:= 9 \times 99 - ((99/9+9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 854 &:= 1 + (((1+11)^{1+1+1})/(1+1)) - 11 \\
&:= 2 + (2 \times ((2 \times (222+2)) - 22)) \\
&:= 3^{3+3} + ((3-3/3+3)^3) \\
&:= (4444-4)/4 - 4^4 \\
&:= 555 + ((5 \times (55+5)) - 5/5) \\
&:= (6/6+6) \times ((666+66)/6) \\
&:= 77 + 777 \\
&:= 88 + (8 \times (88+8) - ((8+8)/8)) \\
&:= 9 \times 99 - (((9/9+9+9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 855 &:= 1111 - (1+1)^{(1+1)^{1+1+1}} \\
&:= (2 \times 22^2) - (222/2 + 2) \\
&:= 3 \times (3 \times (3 \times 33 - 3) - 3) \\
&:= 4444/4 - 4^4 \\
&:= 555 + (5 \times (55+5)) \\
&:= 6 \times 6 + ((6/6+6) \times (666/6+6)) \\
&:= 7 + ((77 \times 77 + 7)/7) \\
&:= 88 + (8 \times (88+8) - 8/8) \\
&:= 9 \times 99 - ((9+9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 856 &:= (11-1)^{1+1+1} - ((1+11)^{1+1}) \\
&:= 2 \times (2 \times (222 - 2 \times (2+2))) \\
&:= (3 \times 3^{3+3}) - ((33/3)^3) \\
&:= 4 + (4 \times (4^4 - 44) + 4) \\
&:= 5/5 + ((5 \times (55+5)) + 555) \\
&:= 66 \times (6+6) + ((6+6)/6)^6 \\
&:= 7 + (((77 \times 77 + 7) + 7)/7) \\
&:= 88 + 8 \times (88+8) \\
&:= (9-9/9) \times ((99-9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 857 &:= ((1+1) \times ((11+11)^{1+1})) - 111 \\
&:= (2 \times 22^2) - 222/2 \\
&:= (33 \times 3^3) - (3/3+33) \\
&:= 4 + ((4 \times (4^4 - 44) + 4/4) + 4) \\
&:= ((5+5)/5)^5 + (55 \times (5+5+5)) \\
&:= 66 + (66 \times (6+6) - 6/6) \\
&:= ((77 \times 77 - 7) + 77)/7 \\
&:= 8/8 + (8 \times (88+8) + 88) \\
&:= 9 + (((9 \times 9 \times 9 + (99/9)) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 858 &:= 11 \times (111 - (11 \times (1+1+1))) \\
&:= 22 \times (2 \times (22 - 2) - 2/2) \\
&:= 33 \times (3^3 - 3/3) \\
&:= 4 + ((4444 - 4)/4 - 4^4) \\
&:= 5^5/5 + (((5 - (5+5)/5)^5) - (5+5)) \\
&:= 66 + 66 \times (6+6) \\
&:= 77/7 \times (7/7 + 77) \\
&:= 88 + (8 \times (88+8) + ((8+8)/8)) \\
&:= 9 + ((999/9 + 9 \times 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 859 &:= 1 + (11 \times (111 - (11 \times (1+1+1)))) \\
&:= 2 + ((2 \times 22^2) - 222/2) \\
&:= 3/3 + (33 \times (3^3 - 3/3)) \\
&:= 4 + (4444/4 - 4^4) \\
&:= ((55/5+5) \times (55 - 5/5)) - 5 \\
&:= 66 + (66 \times (6+6) + 6/6) \\
&:= ((77 \times 77 + 77) + 7)/7 \\
&:= 8 + ((8 \times (88+8+8) + 88/8) + 8) \\
&:= 9 + (((999+9)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 860 &:= (1+1) \times (((11+(11-1))^{1+1}) - 11) \\
&:= (2-22) \times (2/2 - (2 \times 22)) \\
&:= (3/3+3) \times ((3+3)^3 - 3/3) \\
&:= (4/4+4) \times ((4 \times 44) - 4) \\
&:= 5 + ((5 \times (55+5)) + 555) \\
&:= 66 + (66 \times (6+6) + ((6+6)/6)) \\
&:= 7 + (((77 \times 77 - 7)/7) + 7) \\
&:= 888 + ((8-8 \times 8)/((8+8)/8)) \\
&:= 9 \times 99 - (((99+99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 861 &:= (1+1+1) \times (((1+1) \times ((1+11)^{1+1})) - 1) \\
&:= (2/2+2) \times ((22+2)^2 - 2)/2 \\
&:= 3 + (33 \times (3^3 - 3/3)) \\
&:= 4/4 + ((4/4+4) \times ((4 \times 44) - 4)) \\
&:= 5 \times 5 \times 5 + ((555+5^5)/5) \\
&:= 66 + (((6 \times 6)/(6+6))^6 + 66) \\
&:= 7 + (777+77) \\
&:= 888 - (88/8+8+8) \\
&:= (9 \times (99+9)) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 862 &:= (((1+11)^{1+1+1})/(1+1)) - 1 - 1 \\
&:= 2 \times (2 \times 222 - 2) - 22 \\
&:= 3 + ((33 \times (3^3 - 3/3)) + 3/3) \\
&:= (4 \times (4^4 - 44 + 4)) - (4+4)/4 \\
&:= 555 + (5^5 - 55)/(5+5) \\
&:= (6 \times (6+6) \times (6+6)) - (6+6)/6 \\
&:= 7 + (((77 \times 77 + 7)/7) + 7) \\
&:= 888 + ((8-88)/8 - (8+8)) \\
&:= 9 \times 99 - (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 863 &:= (((1+11)^{1+1+1})/(1+1)) - 1 \\
&:= ((22+2) \times (2+2+2)^2) - 2/2 \\
&:= (33 \times 3^3) - (3^3+3/3) \\
&:= (4 \times (4^4 - 44 + 4)) - 4/4 \\
&:= 5^5/5 + (((5 - (5+5)/5)^5) - 5) \\
&:= (6 \times (6+6) \times (6+6)) - 6/6 \\
&:= 7 + (((77 \times 77 + 7) + 7)/7) + 7 \\
&:= 888 - (8/8+8+8+8) \\
&:= 9 \times 99 - ((9/9+9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 864 &:= ((1+11)^{1+1+1})/(1+1) \\
&:= (22+2) \times (2+2+2)^2 \\
&:= 3 \times 3 \times (3 \times 33 - 3) \\
&:= 4 \times (4^4 - 44 + 4) \\
&:= (55/5+5) \times (55 - 5/5) \\
&:= 6 \times (6+6) \times (6+6) \\
&:= (77/7+7) \times (7 \times 7 - 7/7) \\
&:= (88+8) \times (8/8+8) \\
&:= 9 \times 99 - (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 865 &:= 1 + (((1+11)^{1+1+1})/(1+1)) \\
&:= 2/2 + ((22+2) \times (2+2+2)^2) \\
&:= 3/3 + (3 \times 3 \times (3 \times 33 - 3)) \\
&:= 4/4 + (4 \times (4^4 - 44 + 4)) \\
&:= (5 \times (5 \times ((5 \times 5 + 5) + 5))) - 5 - 5 \\
&:= 6/6 + (6 \times (6+6) \times (6+6)) \\
&:= 7 + (77/7 \times (7/7 + 77)) \\
&:= 8/8 + (88+8) \times (8/8+8) \\
&:= 9/9 + (9 \times 99 - (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 866 &:= 1 + (1 + (((1+11)^{1+1+1})/(1+1))) \\
&:= (2 \times 2 \times 222) - 22 \\
&:= 3 + ((33 \times 3^3) - (3^3+3/3)) \\
&:= (4+4)/4 + (4 \times (4^4 - 44 + 4)) \\
&:= 5 + (((555+5^5)/5) + 5 \times 5 \times 5) \\
&:= (6+6)/6 + (6 \times (6+6) \times (6+6)) \\
&:= 7 + (((77 \times 77 + 77) + 7)/7) \\
&:= 888 - (88+88)/8 \\
&:= (9+9)/9 + (9 \times 99 - (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 867 &:= 1 + (1 + (1 + (((1+11)^{1+1+1})/(1+1)))) \\
&:= 2/2 + ((2 \times 2 \times 222) - 22) \\
&:= 3 + (3 \times 3 \times (3 \times 33 - 3)) \\
&:= 4 + ((4 \times (4^4 - 44 + 4)) - 4/4) \\
&:= 555 + (5^5 - 5)/(5+5) \\
&:= (6 \times 6/(6+6)) + (6 \times (6+6) \times (6+6)) \\
&:= 7 + (((77 \times 77 - 7)/7) + 7) + 7 \\
&:= 88 + (8 \times (88+8) + (88/8)) \\
&:= 9 + (((999/9 + 9 \times 9 \times 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 868 &:= 1111 - (1 + ((1+1) \times 11^{1+1})) \\
&:= 2 + ((2 \times 2 \times 222) - 22) \\
&:= (3/3 + 3) \times ((3+3)^3 + 3/3) \\
&:= 4 + (4 \times (4^4 - 44 + 4)) \\
&:= 5^5/5 + ((5 - (5+5)/5)^5) \\
&:= 6 + ((6 \times (6+6) \times (6+6)) - ((6+6)/6)) \\
&:= 7 + (777 + 77 + 7) \\
&:= 888 - (((88+8)/8) + 8) \\
&:= 9 \times 99 - ((99+99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 869 &:= 11 \times ((11 - 1 - 1)^{1+1} - (1+1)) \\
&:= (2222 - 22^2)/2 \\
&:= 33/3 + (33 \times (3^3 - 3/3)) \\
&:= 44 \times (4 \times 4 + 4) - 44/4 \\
&:= 5 + ((55/5 + 5) \times (55 - 5/5)) \\
&:= 6 + ((6 \times (6+6) \times (6+6)) - 6/6) \\
&:= 77/7 \times ((7+7)/7 + 77) \\
&:= 888 - (88/8 + 8) \\
&:= 9 \times 99 - ((99+99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 870 &:= 1 + (11 \times ((11 - 1 - 1)^{1+1} - (1+1))) \\
&:= (2 \times (2 \times 222 + 2)) - 22 \\
&:= 3 + ((3 \times 3 \times (3 \times 33 - 3)) + 3) \\
&:= 4^4 + ((4/4 + 4)^4 - 44/4) \\
&:= (5 \times (5 \times ((5 \times 5 + 5) + 5))) - 5 \\
&:= 6 + (6 \times (6+6) \times (6+6)) \\
&:= 7 \times (77 + 7 \times 7) - (77 + 7)/7 \\
&:= 888 + ((8 - 88)/8 - 8) \\
&:= 9 \times 99 - ((99+9)/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 871 &:= 1111 - ((1+1) \times (11^{1+1} - 1)) \\
&:= (((2 \times 22) - 2)^2) - 22/2 \\
&:= 3 + ((3/3 + 3) \times ((3+3)^3 + 3/3)) \\
&:= 4 \times 4 + (4444/4 - 4^4) \\
&:= 5/5 + ((5 \times (5 \times ((5 \times 5 + 5) + 5))) - 5) \\
&:= 6 + ((6 \times (6+6) \times (6+6)) + 6/6) \\
&:= 7 \times (77 + 7 \times 7) - 77/7 \\
&:= 888 - (8/8 + 8 + 8) \\
&:= 9 \times 99 - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 872 &:= (1+1)^{1+1+1} \times (111 - 1 - 1) \\
&:= 2 \times (2 \times (222 - (2+2))) \\
&:= (3/3 + 3) \times (((3+3)^3 - 3/3) + 3) \\
&:= 44 \times (4 \times 4 + 4) - 4 - 4 \\
&:= 5 + ((5^5 - 5)/5 + 5) + 555 \\
&:= 6 + ((6 \times (6+6) \times (6+6)) + ((6+6)/6)) \\
&:= 7 + ((77/7 \times (7/7 + 77)) + 7) \\
&:= 888 - 8 - 8 \\
&:= 9 \times 99 - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 873 &:= 1 + ((1+1)^{1+1+1} \times (111 - 1 - 1)) \\
&:= 2 + (((2 \times 22) - 2)^2) - 22/2 \\
&:= 3 \times (3 \times (3 \times 33 - 3) + 3) \\
&:= 4^4 + ((4/4 + 4)^4 - (4+4)) \\
&:= 5 + (((5 - (5+5)/5)^5) + 5^5/5) \\
&:= (6+6) \times (6+6) + ((6 \times 6/(6+6))^6) \\
&:= 777 + (7 \times (7+7) - ((7+7)/7)) \\
&:= 8/8 + (888 - (8+8)) \\
&:= 9 \times 99 - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 874 &:= 11 + (((1+11)^{1+1+1})/(1+1)) - 1 \\
&:= 2 + (2 \times (2 \times (222 - (2+2)))) \\
&:= 3/3 + (3 \times (3 \times (3 \times 33 - 3) + 3)) \\
&:= 44 \times (4 \times 4 + 4) - ((4+4)/4 + 4) \\
&:= (5 \times 5 \times (5+5)) + (5^5 - 5)/5 \\
&:= ((66 - 6)/6) + (6 \times (6+6) \times (6+6)) \\
&:= 777 + (7 \times (7+7) - 7/7) \\
&:= 888 + (((8+8)/8) - (8+8)) \\
&:= 9/9 + (9 \times 99 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 875 &:= 11 + (((1+11)^{1+1+1})/(1+1)) \\
&:= (2 \times 2 \times 222) - (22/2 + 2) \\
&:= 33/3 + (3 \times 3 \times (3 \times 33 - 3)) \\
&:= (4/4 + 4) \times ((4 \times 44) - 4/4) \\
&:= 5 \times (5 \times ((5 \times 5 + 5) + 5)) \\
&:= 66/6 + (6 \times (6+6) \times (6+6)) \\
&:= 777 + 7 \times (7+7) \\
&:= 888 - (88 + 8 + 8)/8 \\
&:= (9+9)/9 + (9 \times 99 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 876 &:= 1 + (11 + (((1+11)^{1+1+1})/(1+1))) \\
&:= 2 \times ((2 \times (222 - 2)) - 2) \\
&:= (3/3 + 3) \times ((3+3)^3 + 3) \\
&:= 44 \times (4 \times 4 + 4) - 4 \\
&:= 5/5 + (5 \times (5 \times ((5 \times 5 + 5) + 5))) \\
&:= 6 + ((6 \times (6+6) \times (6+6)) + 6) \\
&:= 7/7 + (777 + 7 \times (7+7)) \\
&:= 888 - (88 + 8)/8 \\
&:= 9 \times 99 + (((9+9+9)/9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 877 &:= (111 \times (1+1)^{1+1+1}) - 11 \\
&:= (2 \times 2 \times 222) - 22/2 \\
&:= (33 \times 3^3) - (33/3 + 3) \\
&:= 4^4 + ((4/4 + 4)^4 - 4) \\
&:= (5+5)/5 + (5 \times (5 \times ((5 \times 5 + 5) + 5))) \\
&:= 6 + (((6 \times (6+6) \times (6+6)) + 6/6) + 6) \\
&:= ((7+7)/7) + (777 + 7 \times (7+7)) \\
&:= 888 - 88/8 \\
&:= 9 \times 99 + (((9 - 99)/(9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 878 &:= 1 + ((111 \times (1+1)^{1+1+1}) - 11) \\
&:= 2 \times (((22 - 2/2)^2) - 2) \\
&:= (33 \times 3^3) + (((3 - 33)/3) - 3) \\
&:= 44 \times (4 \times 4 + 4) - (4+4)/4 \\
&:= (55 \times (55/5 + 5)) - (5+5)/5 \\
&:= 6 + (((6 \times (6+6) \times (6+6)) + ((6+6)/6)) + 6) \\
&:= 7 + (7 \times (77 + 7 \times 7) - (77/7)) \\
&:= 888 + (8 - 88)/8 \\
&:= 9 \times 99 - ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 879 &:= (11 - 1)^{1+1+1} - 11^{1+1} \\
&:= (2 \times (2 \times (222 - 2))) - 2/2 \\
&:= (33 \times 3^3) - (3 \times 3 + 3) \\
&:= 44 \times (4 \times 4 + 4) - 4/4 \\
&:= (55 \times (55/5 + 5)) - 5/5 \\
&:= 6 + (((6 \times 6/(6+6))^6) + (6+6) \times (6+6)) \\
&:= 7 \times (77 + 7 \times 7) - (7 + 7 + 7)/7 \\
&:= 888 - (8/8 + 8) \\
&:= 9 \times 99 - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 880 &:= 11 \times ((11 - 1 - 1)^{1+1} - 1) \\
&:= 2 \times (2 \times (222 - 2)) \\
&:= (33 \times 3^3) - 33/3 \\
&:= 44 \times (4 \times 4 + 4) \\
&:= 55 \times (55/5 + 5) \\
&:= 666 + (6 \times 6 \times 6 - (6+6)/6) \\
&:= (7/7 + 7) \times (777 - 7)/7 \\
&:= 888 - 8 \\
&:= 9 \times 99 - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 881 &:= 1 + (11 \times ((11 - 1 - 1)^{1+1} - 1)) \\
&:= (((2 \times 22) - 2)^2) - 2/2 \\
&:= (33 \times 3^3) + ((3 - 33)/3) \\
&:= 4^4 + (4/4 + 4)^4 \\
&:= 5/5 + (55 \times (55/5 + 5)) \\
&:= 666 + (6 \times 6 \times 6 - 6/6) \\
&:= 7 \times (77 + 7 \times 7) - 7/7 \\
&:= 8/8 + 888 - 8 \\
&:= 9 \times 99 - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 882 &:= (1+1) \times ((11 + (11 - 1))^{1+1}) \\
&:= 2 \times ((22 - 2/2)^2) \\
&:= 3 \times (3 \times 3 \times 33 - 3) \\
&:= 4/4 + ((4/4 + 4)^4 + 4^4) \\
&:= (5+5)/5 + (55 \times (55/5 + 5)) \\
&:= 666 + 6 \times 6 \times 6 \\
&:= 7 \times (77 + 7 \times 7) \\
&:= 888 + (((8+8)/8) - 8) \\
&:= 9 \times 99 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 883 &:= 1 + ((1 + 1) \times ((11 + (11 - 1))^{1+1})) \\
&:= (((2 \times 22) - 2)^2) + 2 / 2 \\
&:= 3 + ((33 \times 3^3) - 33 / 3) \\
&:= 4 + (44 \times (4 \times 4 + 4) - 4 / 4) \\
&:= 5 + ((55 \times (55 / 5 + 5)) - ((5 + 5) / 5)) \\
&:= 6 / 6 + (666 + 6 \times 6 \times 6) \\
&:= 7 / 7 + 7 \times (77 + 7 \times 7) \\
&:= 888 + (88 / 8 - (8 + 8)) \\
&:= 9 / 9 + (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 884 &:= (1 + 1) \times (1 + ((11 + (11 - 1))^{1+1})) \\
&:= 2 \times (2 \times 222 - 2) \\
&:= (3^3 - 3 / 3) \times (3 / 3 + 33) \\
&:= 4 + 44 \times (4 \times 4 + 4) \\
&:= 5 + ((55 \times (55 / 5 + 5)) - 5 / 5) \\
&:= 666 + (6 \times 6 \times 6 + (6 + 6) / 6) \\
&:= ((7 + 7) / 7) + 7 \times (77 + 7 \times 7) \\
&:= 888 - (8 / ((8 + 8) / 8)) \\
&:= (9 + 9) / 9 + (9 \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 885 &:= 1 + ((1 + 1) \times (1 + ((11 + (11 - 1))^{1+1}))) \\
&:= 2 + (((2 \times 22) - 2)^2) + 2 / 2 \\
&:= (33 \times 3^3) - (3 + 3) \\
&:= 4 + ((4 / 4 + 4)^4 + 4^4) \\
&:= 5 + (55 \times (55 / 5 + 5)) \\
&:= (6 - 6 / 6) \times (666 / 6 + 66) \\
&:= (7 \times ((7 + 7) / 7)^7) - 77 / 7 \\
&:= 8 + (888 - 88 / 8) \\
&:= 9 \times 99 + (((9 + 9 + 9) / 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 886 &:= (1 + 1) \times (((1 + 1) \times (1 + 1) \times 111) - 1) \\
&:= (2 \times 2 \times 222) - 2 \\
&:= 3 / 3 + ((33 \times 3^3) - (3 + 3)) \\
&:= (4 + 4) / 4 \times (444 - 4 / 4) \\
&:= 5 + ((55 \times (55 / 5 + 5)) + 5 / 5) \\
&:= 6 + ((666 - ((6 + 6) / 6)) + 6 \times 6 \times 6) \\
&:= 77 / 7 + (777 + 7 \times (7 + 7)) \\
&:= 888 - (8 + 8) / 8 \\
&:= 9 \times 99 + ((9 - 99) / (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 887 &:= (111 \times (1 + 1)^{1+1+1}) - 1 \\
&:= (2 \times 2 \times 222) - 2 / 2 \\
&:= (33 \times 3^3) - (3 / 3 + 3) \\
&:= ((4 + 4) \times 444 - 4) / 4 \\
&:= 5 + ((55 \times (55 / 5 + 5)) + ((5 + 5) / 5)) \\
&:= 6 + ((6 \times 6 \times 6 - 6 / 6) + 666) \\
&:= 777 + (777 - 7) / 7 \\
&:= 888 - 8 / 8 \\
&:= 9 \times 99 + ((9 - 9 \times 9) / (9 + 9))
\end{aligned}$$

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

$$\begin{aligned}
\blacktriangleright 889 &:= 1 + (111 \times (1 + 1)^{1+1+1}) \\
&:= 2 / 2 + (2 \times 2 \times 222) \\
&:= 3 / 3 + ((33 \times 3^3) - 3) \\
&:= ((4 + 4) \times 444 + 4) / 4 \\
&:= 5 \times 55 + ((5^5 - 55) / 5) \\
&:= 6 + ((666 + 6 \times 6 \times 6) + 6 / 6) \\
&:= 7 + 7 \times (77 + 7 \times 7) \\
&:= 8 / 8 + 888 \\
&:= 9 \times 99 - (9 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 890 &:= (11 \times (11 - 1 - 1)^{1+1+1}) - 1 \\
&:= 2 + (2 \times 2 \times 222) \\
&:= (33 \times 3^3) - 3 / 3 \\
&:= (4 + 4) / 4 \times (444 + 4 / 4) \\
&:= 5 + ((55 \times (55 / 5 + 5)) + 5) \\
&:= 6 + ((666 + 6 \times 6 \times 6) + ((6 + 6) / 6)) \\
&:= 7 + (7 \times (77 + 7 \times 7) + 7 / 7) \\
&:= 888 + (8 + 8) / 8 \\
&:= 9 \times 99 - 9 / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 891 &:= 11 \times (11 - 1 - 1)^{1+1+1} \\
&:= 2 + ((2 \times 2 \times 222) + 2 / 2) \\
&:= 33 \times 3^3 \\
&:= 44 / 4 \times (4 - 4 / 4)^4 \\
&:= 5 \times 55 + ((5^5 + 5) / 5 - (5 + 5)) \\
&:= 6 + ((6 - 6 / 6) \times (666 / 6 + 66)) \\
&:= 7 + (7 \times (77 + 7 \times 7) + ((7 + 7) / 7)) \\
&:= 888 + (88 / 8 - 8) \\
&:= 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 892 &:= 1 + (11 \times (11 - 1 - 1)^{1+1+1}) \\
&:= 2 \times (2 \times 222 + 2) \\
&:= 3 / 3 + (33 \times 3^3) \\
&:= 4 + (444 + 444) \\
&:= 5 \times 5 + ((5^5 - 5) / (5 + 5) + 555) \\
&:= 6 \times 6 + (66 \times (6 + 6) + ((6 + 6) / 6)^6) \\
&:= 7 + ((7 \times ((7 + 7) / 7)^7) - (77 / 7)) \\
&:= 888 + (8 / ((8 + 8) / 8)) \\
&:= 9 / 9 + 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 893 &:= 1 + (1 + (11 \times (11 - 1 - 1)^{1+1})) \\
&:= 2 / 2 + (2 \times (2 \times 222 + 2)) \\
&:= 3 + ((33 \times 3^3) - 3 / 3) \\
&:= 4 + (((4 + 4) \times 444 + 4) / 4) \\
&:= 5 \times 55 + ((5^5 - 5 - 5) / 5 - 5) \\
&:= 666 + (6 \times 6 \times 6 + 66 / 6) \\
&:= 77 / 7 + 7 \times (77 + 7 \times 7) \\
&:= 8 + (888 - 88 / 8 + 8) \\
&:= (9 + 9) / 9 + 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 894 &:= 1 + (1 + (1 + (11 \times (11 - 1 - 1)^{1+1}))) \\
&:= 2 + (2 \times (2 \times 222 + 2)) \\
&:= 3 + (33 \times 3^3) \\
&:= 4 + ((4 + 4) / 4 \times (444 + 4 / 4)) \\
&:= 5 \times 55 + ((5^5 - 5) / 5 - 5) \\
&:= (6 \times ((6 + 6) \times (6 + 6) + 6)) - 6 \\
&:= (7 \times ((7 + 7) / 7)^7) - (7 + 7) / 7 \\
&:= 8 + (888 - ((8 + 8) / 8)) \\
&:= 9 \times 99 + ((9 + 9 + 9) / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 895 &:= ((1 + 111) \times (1 + 1)^{1+1+1}) - 1 \\
&:= (2 \times (2 \times (222 + 2))) - 2 / 2 \\
&:= 3 + ((33 \times 3^3) + 3 / 3) \\
&:= 4 + (44 / 4 \times (4 - 4 / 4)^4) \\
&:= 5^5 / 5 + (5 \times 55 - 5) \\
&:= (6666 / 6) - 6 \times 6 \times 6 \\
&:= (7 \times ((7 + 7) / 7)^7) - 7 / 7 \\
&:= 8 + (888 - 8 / 8) \\
&:= 9 \times 99 + ((9 \times 9 - 9) / (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 896 &:= (1 + 111) \times (1 + 1)^{1+1+1} \\
&:= 2 \times (2 \times (222 + 2)) \\
&:= 3 + (((33 \times 3^3) - 3 / 3) + 3) \\
&:= 4 \times (4^4 - 4 \times (4 + 4)) \\
&:= 5 \times 55 + ((5^5 + 5) / 5 - 5) \\
&:= (6 / 6 + 6) \times (((6 + 6) / 6)^{6/6+6}) \\
&:= 7 \times ((7 + 7) / 7)^7 \\
&:= 8 + 888 \\
&:= 9 \times 99 + ((9 \times 9 + 9) / (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 897 &:= 1 + ((1 + 111) \times (1 + 1)^{1+1+1}) \\
&:= 2 / 2 + (2 \times (2 \times (222 + 2))) \\
&:= 3 + ((33 \times 3^3) + 3) \\
&:= 4 \times 4 + ((4 / 4 + 4)^4 + 4^4) \\
&:= 5 \times 55 + ((5^5 + 5 + 5) / 5 - 5) \\
&:= 666 / 6 + (66 \times (6 + 6) - 6) \\
&:= 7 / 7 + (7 \times ((7 + 7) / 7)^7) \\
&:= 8 + (888 + 8 / 8) \\
&:= 9 + (9 \times 99 - ((9 + 9 + 9) / 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 898 &:= (((11-1) \times (1+1+1))^{1+1}) - 1 - 1 \\
&:= 2 + (2 \times (2 \times (222+2))) \\
&:= 3 + (((33 \times 3^3) + 3/3) + 3) \\
&:= (4+4)/4 + (4 \times (4^4 - 4 \times (4+4))) \\
&:= 5 \times 55 + (5^5 - 5 - 5)/5 \\
&:= (6 \times ((6+6) \times (6+6) + 6)) - (6+6)/6 \\
&:= ((7+7)/7) + (7 \times ((7+7)/7)^7) \\
&:= 8 + (888 + ((8+8)/8)) \\
&:= 9 + (9 \times 99 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 899 &:= (((11-1) \times (1+1+1))^{1+1}) - 1 \\
&:= 22/2 + (2 \times 2 \times 222) \\
&:= 3 \times 3 + ((33 \times 3^3) - 3/3) \\
&:= ((4+4) \times 444 + 44)/4 \\
&:= 5 \times 55 + (5^5 - 5)/5 \\
&:= (6 \times ((6+6) \times (6+6) + 6)) - 6/6 \\
&:= 777 + (777 + 77)/7 \\
&:= 888 + 88/8 \\
&:= 9 + (9 \times 99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 900 &:= ((11-1) \times (1+1+1))^{1+1} \\
&:= (2 \times (2+2) + 22)^2 \\
&:= 3 \times (3 \times 3 \times 33 + 3) \\
&:= 4 + (4 \times (4^4 - 4 \times (4+4))) \\
&:= 5 \times (5 \times 5 \times 5 + 55) \\
&:= 6 \times ((6+6) \times (6+6) + 6) \\
&:= (77/7 + 7) \times (7/7 + 7 \times 7) \\
&:= 888 + (88 + 8)/8 \\
&:= 9 + 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 901 &:= 1 + (((11-1) \times (1+1+1))^{1+1}) \\
&:= 2/2 + ((2 \times (2+2) + 22)^2) \\
&:= 3 \times 3 + ((33 \times 3^3) + 3/3) \\
&:= 4 + ((4 \times (4^4 - 4 \times (4+4))) + 4/4) \\
&:= 5 \times 55 + (5^5 + 5)/5 \\
&:= 6/6 + (6 \times ((6+6) \times (6+6) + 6)) \\
&:= 7 + ((7 \times ((7+7)/7)^7) - ((7+7)/7)) \\
&:= 888 + (88 + 8 + 8)/8 \\
&:= 9 + (9 \times 99 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 902 &:= 11 \times (1 + (11 - 1 - 1)^{1+1}) \\
&:= 2 + ((2 \times (2+2) + 22)^2) \\
&:= 33/3 + (33 \times 3^3) \\
&:= 4 \times 4^4 - ((444 + 44)/4) \\
&:= 5 \times 55 + (5^5 + 5 + 5)/5 \\
&:= (6+6)/6 + (6 \times ((6+6) \times (6+6) + 6)) \\
&:= 7 + ((7 \times ((7+7)/7)^7) - 7/7) \\
&:= 8 + ((888 - ((8+8)/8)) + 8) \\
&:= 99/9 + 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 903 &:= (1+1)^{11-1} - 11^{1+1} \\
&:= 2 + (((2 \times (2+2) + 22)^2) + 2/2) \\
&:= 3 + ((33 \times 3^3) + 3 \times 3) \\
&:= 4 + (((4+4) \times 444 + 44)/4) \\
&:= 5 + ((5^5 - 5 - 5)/5 + 5 \times 55) \\
&:= 666/6 + 66 \times (6+6) \\
&:= 7 + (7 \times ((7+7)/7)^7) \\
&:= 8 + (888 - 8/8 + 8) \\
&:= 9 \times 99 + (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 904 &:= 1 + ((1+1)^{11-1} - 11^{1+1}) \\
&:= 2 \times (2 \times ((222+2) + 2)) \\
&:= 3 + (((33 \times 3^3) + 3 \times 3) + 3/3) \\
&:= 4 + ((4 \times (4^4 - 4 \times (4+4))) + 4) \\
&:= 5 + ((5^5 - 5)/5 + 5 \times 55) \\
&:= 66 \times (6+6) + (666 + 6)/6 \\
&:= 7 + ((7 \times ((7+7)/7)^7) + 7/7) \\
&:= 8 + (888 + 8) \\
&:= 9 \times 99 + ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 905 &:= 1 + (1 + ((1+1)^{11-1} - 11^{1+1})) \\
&:= 22 + (((((2 \times 22) - 2)^2) + 2)/2) \\
&:= 3 + ((33 \times 3^3) + 33/3) \\
&:= 4 \times 4 + (((4+4) \times 444 + 4)/4) \\
&:= 5 + (5^5/5 + 5 \times 55) \\
&:= 6 + ((6 \times ((6+6) \times (6+6) + 6)) - 6/6) \\
&:= 777 + ((7+7)/7)^7 \\
&:= 8 + (888 + 8/8 + 8) \\
&:= 9 + (((9 \times 9 + 9)/(9+9)) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 906 &:= 1 + (1 + (1 + ((1+1)^{11-1} - 11^{1+1}))) \\
&:= 2 + (2 \times (2 \times ((222+2) + 2))) \\
&:= 3 + (((33 \times 3^3) + 3 \times 3) + 3) \\
&:= 4 + (4 \times 4^4 - ((444 + 44)/4)) \\
&:= 5 + ((5^5 + 5)/5 + 5 \times 55) \\
&:= 6 + (6 \times ((6+6) \times (6+6) + 6)) \\
&:= 7/7 + (((7+7)/7)^7 + 777) \\
&:= 8 + ((888 + ((8+8)/8)) + 8) \\
&:= 9 + ((9 \times 99 - ((9+9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 907 &:= 11 + ((1+111) \times (1+1)^{1+1+1}) \\
&:= 22/2 + (2 \times (2 \times (222+2))) \\
&:= 3^3 + ((33 \times 3^3) - 33/3) \\
&:= 4 \times 4 + (44/4 \times (4 - 4/4)^4) \\
&:= 5 + ((5^5 + 5 + 5)/5 + 5 \times 55) \\
&:= 6 + ((6 \times ((6+6) \times (6+6) + 6)) + 6/6) \\
&:= 77/7 + (7 \times ((7+7)/7)^7) \\
&:= 8 + (888 + 88/8) \\
&:= 9 + ((9 \times 99 - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 908 &:= ((11-1-1) \times (1 + (11-1)^{1+1})) - 1 \\
&:= 2 \times ((2 \times ((222+2) + 2)) + 2) \\
&:= 3 + (((33 \times 3^3) + 33/3) + 3) \\
&:= 44 + (4 \times (4^4 - 44 + 4)) \\
&:= (5 - 5/5)^5 - (555/5 + 5) \\
&:= 6 + ((6 \times ((6+6) \times (6+6) + 6)) + ((6+6)/6)) \\
&:= (77+7)/7 + (7 \times ((7+7)/7)^7) \\
&:= 8 + (((88+8)/8) + 888) \\
&:= 9 + ((9 \times 99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 909 &:= (11 - 1 - 1) \times (1 + (11 - 1)^{1+1}) \\
&:= 22 + ((2 \times 2 \times 222) - 2/2) \\
&:= 3 \times ((3 \times 3 \times 33 + 3) + 3) \\
&:= 4 \times 4^4 - (444/4 + 4) \\
&:= 5 + (((5^5 - 5)/5 + 5 \times 55) + 5) \\
&:= 6 + (666/6 + 66 \times (6+6)) \\
&:= 7 + (((7 \times ((7+7)/7)^7) - 7/7) + 7) \\
&:= 8 + ((88 + 8 + 8)/8 + 888) \\
&:= 9 + (9 \times 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 910 &:= 1 + ((11-1-1) \times (1 + (11-1)^{1+1})) \\
&:= 22 + (2 \times 2 \times 222) \\
&:= 3/3 + ((33 \times 3^3) + (3 \times (3+3))) \\
&:= 4 \times 4^4 + (((4-444)/4) - 4) \\
&:= 5 + ((5^5/5 + 5 \times 55) + 5) \\
&:= (6/6 + 6) \times (((6+6)/6)^6 + 66) \\
&:= 7 + ((7 \times ((7+7)/7)^7) + 7) \\
&:= 888 + (88 + 88)/8 \\
&:= 9 + ((9 \times 99 + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 911 &:= 11 + (((11-1) \times (1+1+1))^{1+1}) \\
&:= 22 + ((2 \times 2 \times 222) + 2/2) \\
&:= 3 \times 3 + ((33 \times 3^3) + 33/3) \\
&:= 4 \times 4^4 - ((444 + 4 + 4)/4) \\
&:= 5 \times 55 + ((55 + 5^5)/5) \\
&:= 66/6 + (6 \times ((6+6) \times (6+6) + 6)) \\
&:= 7 + (((7 \times ((7+7)/7)^7) + 7/7) + 7) \\
&:= 8 + ((888 - 8/8 + 8) + 8) \\
&:= 9 + ((99/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 912 &:= (1+1)^{11-1} - (1+111) \\
&:= 2 + ((2 \times 2 \times 222) + 22) \\
&:= 3 + ((33 \times 3^3) + (3 \times (3+3))) \\
&:= 4 \times ((4^4 - 4 \times (4+4)) + 4) \\
&:= 5 \times 55 + ((55 + 5^5 + 5)/5) \\
&:= 6 + ((6 \times ((6+6) \times (6+6) + 6)) + 6) \\
&:= 7 + (((7+7)/7)^7 + 777) \\
&:= 8 + (888 + 8 + 8) \\
&:= 9 + (((99+9)/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 913 &:= (1+1)^{11-1} - 111 \\
&:= (2^{22/2} - 222)/2 \\
&:= 33 + ((33 \times 3^3) - 33/3) \\
&:= 4 \times 4^4 - 444/4 \\
&:= (5 - 5/5)^5 - 555/5 \\
&:= (66/6) \times (66/6 + 66 + 6) \\
&:= 77/7 \times (77 - 7/7 + 7) \\
&:= 8 + ((888 + 8/8 + 8) + 8) \\
&:= 9 \times 99 + ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 914 &:= 1 + ((1+1)^{11-1} - 111) \\
&:= 22 + (2 \times (2 \times 222 + 2)) \\
&:= 3^3 + ((33 \times 3^3) - (3/3 + 3)) \\
&:= 4 \times 4^4 + ((4 - 444)/4) \\
&:= (5 - 5/5)^5 - (55 + 55) \\
&:= 66 \times (6 + 6) + ((666 + 66)/6) \\
&:= 7 + ((7 \times ((7 + 7)/7)^7) + (77/7)) \\
&:= 8 + (((888 + ((8 + 8)/8)) + 8) + 8) \\
&:= 9 \times 99 + ((99 + 99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 915 &:= 1 + (1 + ((1+1)^{11-1} - 111)) \\
&:= 2 + (2^{22/2} - 222)/2 \\
&:= 3^3 + ((33 \times 3^3) - 3) \\
&:= 4 \times 4^4 + (((4 - 444) + 4)/4) \\
&:= (5 + 5 + 5) \times ((55 + 5/5) + 5) \\
&:= 6 + ((666/6 + 66 \times (6 + 6)) + 6) \\
&:= 7777/7 - (7 + 7) \times (7 + 7) \\
&:= 8 + ((888 + 88/8) + 8) \\
&:= 999 - (((9 + 9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 916 &:= 1 + (1 + (1 + ((1+1)^{11-1} - 111))) \\
&:= 2 \times (22^2 - (22 + 2 + 2)) \\
&:= 3^3 + (((33 \times 3^3) - 3) + 3/3) \\
&:= (4 \times (4^4 - 4 \times 4)) - 44 \\
&:= 5 + (((55 + 5^5)/5) + 5 \times 55) \\
&:= 6 + ((6/6 + 6) \times (((6 + 6)/6)^6 + 66)) \\
&:= ((77 \times (77 + 7) - 7)/7) - 7 \\
&:= 8 + (((88 + 8)/8) + 888) + 8 \\
&:= 999 - (((9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 917 &:= 1 + (1 + (1 + (1 + ((1+1)^{11-1} - 111)))) \\
&:= 2 + 2 + (2^{22/2} - 222)/2 \\
&:= 3^3 + ((33 \times 3^3) - 3/3) \\
&:= 4 + (4 \times 4^4 - 444/4) \\
&:= 5 + (((55 + 5^5 + 5)/5) + 5 \times 55) \\
&:= 666 + (6 \times (6 \times 6 + 6) - 6/6) \\
&:= (77 \times (77 + 7)/7) - 7 \\
&:= 8 + (((88 + 8 + 8)/8 + 888) + 8) \\
&:= 999 - (9/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 918 &:= (11 - 1 - 1) \times (1 + (1 + (11 - 1)^{1+1})) \\
&:= 22 + (2 \times (2 \times (222 + 2))) \\
&:= 3 \times (3 \times (3 \times 33 + 3)) \\
&:= 4 + (((4 - 444)/4) + 4 \times 4^4) \\
&:= 5 + ((5 - 5/5)^5 - 555/5) \\
&:= 666 + 6 \times (6 \times 6 + 6) \\
&:= ((77 \times (77 + 7) + 7)/7) - 7 \\
&:= 8 + ((88 + 88)/8 + 888) \\
&:= 999 - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 919 &:= 1 + ((11 - 1 - 1) \times (1 + (1 + (11 - 1)^{1+1}))) \\
&:= (2 \times (22^2 - (22 + 2))) - 2/2 \\
&:= 3^3 + ((33 \times 3^3) + 3/3) \\
&:= 4444/4 - (4 \times (44 + 4)) \\
&:= 5 + ((5 - 5/5)^5 - (55 + 55)) \\
&:= 6/6 + (6 \times (6 \times 6 + 6) + 666) \\
&:= 7 + (((7 + 7)/7)^7 + 777) + 7 \\
&:= 8 + (((888 - 8/8 + 8) + 8) + 8) \\
&:= 9/9 + (999 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 920 &:= (11 - 1) \times (11 + (11 - 1 - 1)^{1+1}) \\
&:= 2 \times (22^2 - (22 + 2)) \\
&:= 3 + (((33 \times 3^3) - 3/3) + 3^3) \\
&:= (4 + 4) \times (444/4 + 4) \\
&:= 5^5/5 + ((5 \times (55 + 5)) - 5) \\
&:= 666 + (6 \times (6 \times 6 + 6) + ((6 + 6)/6)) \\
&:= 7 + (77/7 \times (77 - 7/7 + 7)) \\
&:= 8 + ((888 + 8 + 8) + 8) \\
&:= 9 + (((99/9) + 9 \times 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 921 &:= 1 + ((11 - 1) \times (11 + (11 - 1 - 1)^{1+1})) \\
&:= 2/2 + (2 \times (22^2 - (22 + 2))) \\
&:= 3 + ((33 \times 3^3) + 3^3) \\
&:= 4 + ((4 \times 4^4 - 444/4) + 4) \\
&:= (5 \times (55 + 5)) + ((5^5 + 5)/5 - 5) \\
&:= 6 + (((666/6 + 66 \times (6 + 6)) + 6) + 6) \\
&:= (77 \times (77 + 7) - (7 + 7 + 7))/7 \\
&:= 8 + (((888 + 8/8 + 8) + 8) + 8) \\
&:= 9 \times (9 \times 9 + 9) + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 922 &:= 11 + (11 + (((11 - 1) \times (1 + 1 + 1))^{1+1})) \\
&:= (2 \times (22^2 - 22)) - 2 \\
&:= 3 + (((33 \times 3^3) + 3^3) + 3/3) \\
&:= 4 + (((4 - 444)/4) + 4 \times 4^4) + 4 \\
&:= 55 + ((5^5 - 5)/(5 + 5) + 555) \\
&:= 66 + (66 \times (6 + 6) + (((6 + 6)/6)^6)) \\
&:= (77 \times (77 + 7) - (7 + 7))/7 \\
&:= 8 + (((888 + ((8 + 8)/8)) + 8) + 8) + 8 \\
&:= 9 + (((99 + 99)/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 923 &:= 11 + ((1+1)^{11-1} - (1 + 111)) \\
&:= (2 \times (22^2 - 22)) - 2/2 \\
&:= 33 + ((33 \times 3^3) - 3/3) \\
&:= 44 + (44 \times (4 \times 4 + 4) - 4/4) \\
&:= (5 \times (55 + 5)) + (5^5 - 5 - 5)/5 \\
&:= (6/6 + 6 + 6) \times ((66 - 6/6) + 6) \\
&:= (77 \times (77 + 7) - 7)/7 \\
&:= 8 + (((888 + 88/8) + 8) + 8) \\
&:= 9 + (((99 + 99 + 9)/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 924 &:= 11 + ((1+1)^{11-1} - 111) \\
&:= 2 \times (22^2 - 22) \\
&:= 33 + (33 \times 3^3) \\
&:= 44 + 44 \times (4 \times 4 + 4) \\
&:= (5 \times (5 - 5 \times 5)) + (5 - 5/5)^5 \\
&:= 66 \times ((6 + 6)/6 + 6 + 6) \\
&:= 77 \times (77 + 7)/7 \\
&:= 888 + ((8 \times 8 + 8)/((8 + 8)/8)) \\
&:= 9 \times 99 + (99/((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 925 &:= (11111 - 11)/(1 + 11) \\
&:= 2/2 + (2 \times (22^2 - 22)) \\
&:= 3/3 + ((33 \times 3^3) + 33) \\
&:= 44 + (((4/4 + 4)^4 + 4^4) \\
&:= 5 \times ((5 \times 5 \times 5 + 55) + 5) \\
&:= 6/6 + (66 \times ((6 + 6)/6 + 6 + 6)) \\
&:= (77 \times (77 + 7) + 7)/7 \\
&:= 888 + 888/(8 + 8 + 8) \\
&:= (((9 + 9)/9)^{9/9+9}) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 926 &:= (1 + 11111)/(1 + 11) \\
&:= 2 + (2 \times (22^2 - 22)) \\
&:= 3 + (((33 \times 3^3) - 3/3) + 33) \\
&:= 44 + (((4/4 + 4)^4 + 4^4) + 4/4) \\
&:= (5 \times (55 + 5)) + (5^5 + 5)/5 \\
&:= (6 + 6)/6 + (66 \times ((6 + 6)/6 + 6 + 6)) \\
&:= ((77 \times (77 + 7) + 7) + 7)/7 \\
&:= 8 + (((88 + 88)/8 + 888) + 8) \\
&:= 9 + (999 - (9/9 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 927 &:= 1 + ((1 + 11111)/(1 + 11)) \\
&:= 2 + ((2 \times (22^2 - 22)) + 2/2) \\
&:= 3 + ((33 \times 3^3) + 33) \\
&:= (4 \times (4^4 - 4)) - (4 - 4/4)^4 \\
&:= (5 \times (55 + 5)) + (5^5 + 5 + 5)/5 \\
&:= 66 + (((6 \times 6/(6 + 6))^6) + 66) + 66 \\
&:= (((77 \times (77 + 7) + 7) + 7) + 7)/7 \\
&:= (8/8 + 8) \times (888/8 - 8) \\
&:= 9 + (999 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 928 &:= 1 + (1 + ((1 + 11111)/(1 + 11))) \\
&:= 2 \times ((22^2 - 22) + 2) \\
&:= 3 + (((33 \times 3^3) + 33) + 3/3) \\
&:= 4 \times (4^4 - ((4 \times 4 + 4) + 4)) \\
&:= ((5 + 5)/5)^5 \times (5 \times 5 - 5/5 + 5) \\
&:= ((6 + 6)/6)^6 + (6 \times (6 + 6) \times (6 + 6)) \\
&:= (77/7 \times (7/7 + 77 + 7)) - 7 \\
&:= 8 \times 8 \times (8 + 8) - (88 + 8) \\
&:= 9 + ((999 - 9 \times 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 929 &:= ((11 \times ((1 + (1 + 11))^{1+1})) - 1)/(1 + 1) \\
&:= 2/2 + (2 \times 222 + 22^2) \\
&:= 3^3 + ((33 \times 3^3) + 33/3) \\
&:= (4 \times (4^4 + 4)) - 444/4 \\
&:= 5 + ((5 \times (5 - 5 \times 5)) + (5 - 5/5)^5) \\
&:= 66 + ((6 \times (6 + 6) \times (6 + 6)) - 6/6) \\
&:= 7 + ((77 \times (77 + 7) - (7 + 7))/7) \\
&:= 8/8 + (8 \times 8 \times (8 + 8) - (88 + 8)) \\
&:= 99/9 + (999 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 930 &:= (11 - 1) \times (((1 + 1)^{11-1} - 1)/11) \\
&:= 2 + (2 \times 222 + 22^2) \\
&:= 3 + (((33 \times 3^3) + 33) + 3) \\
&:= (4 \times (4^4 + 4)) + ((4 - 444)/4) \\
&:= 5 + ((5 \times (55 + 5)) + 5^5/5) \\
&:= 66 + (6 \times (6 + 6) \times (6 + 6)) \\
&:= 7 + ((77 \times (77 + 7) - 7)/7) \\
&:= (8 - 8/8 + 8) \times (8 \times 8 - ((8 + 8)/8)) \\
&:= 9 + (9 \times (9 \times 9 + 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 931 &:= (1 + ((11 - 1) \times (1 + 1)^{11-1}))/11 \\
&:= (2 \times (2 \times 222 + 22)) - 2/2 \\
&:= 3 + (((33 \times 3^3) + 33) + 3/3) + 3 \\
&:= 4 + ((4 \times (4^4 - 4)) - (4 - 4/4)^4) \\
&:= 5 + ((5 \times (55 + 5)) + (5^5 + 5)/5) \\
&:= 66 + ((6 \times (6 + 6) \times (6 + 6)) + 6/6) \\
&:= 7 \times (77 + 7 \times 7 + 7) \\
&:= 8 + (((888 + 88/8) + 8) + 8) + 8 \\
&:= 9 \times 99 + ((9 \times 9 \times 9 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 932 &:= (1 + 1) \times ((1 + 1) \times (11 + (1 + 1) \times 111)) \\
&:= 2 \times (2 \times 222 + 22) \\
&:= (3 \times 333) - (((3/3 + 3)^3) + 3) \\
&:= 4 + (4 \times (4^4 - ((4 \times 4 + 4) + 4))) \\
&:= 5^5/5 + (5^5 - 55)/(5 + 5) \\
&:= 66 + ((6 \times (6 + 6) \times (6 + 6)) + ((6 + 6)/6)) \\
&:= 7 + ((77 \times (77 + 7) + 7)/7) \\
&:= 888 + (88/(8 + 8)/8) \\
&:= 9 \times 99 + ((9 \times 9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 933 &:= 1 + ((1 + 1) \times ((1 + 1) \times (11 + (1 + 1) \times 111))) \\
&:= 2/2 + (2 \times (2 \times 222 + 22)) \\
&:= 3 \times 3 + ((33 \times 3^3) + 33) \\
&:= 4 + ((4 \times (4^4 + 4)) - 444/4) \\
&:= 5^5/5 + ((5^5 + 5)/(5 + 5) - 5) \\
&:= 6 \times 6 \times 6 + (((6 \times 6)/(6 + 6))^6) - (6 + 6) \\
&:= 7 + (((77 \times (77 + 7) + 7) + 7)/7) \\
&:= 8 \times 8 + (888 - (88/8 + 8)) \\
&:= 9 + ((99/(9 + 9 + 9)/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 934 &:= ((1 + 1)^{11}) - (1 + (1 + (1 + 1111))) \\
&:= 2 + (2 \times (2 \times 222 + 22)) \\
&:= 3^{3+3} + ((3 + 3)^3 - 33/3) \\
&:= (4444 - 4)/4 - (4 \times 44) \\
&:= (55 \times ((55 + 5)/5) + 5) - 5/5 \\
&:= ((6 + 6) \times (66 + 6 + 6)) - (6 + 6)/6 \\
&:= (7 \times (((7 + 7)/7)^7 + 7)) - 77/7 \\
&:= 8 \times 8 \times (8 + 8) - ((8 + 8)/8 + 88) \\
&:= 9 + (((9 + 9)/9)^{9+9+9}) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 935 &:= ((1 + 1)^{11}) - (1 + (1 + 1111)) \\
&:= 22/2 + (2 \times (22^2 - 22)) \\
&:= (3 \times 333) - ((3/3 + 3)^3) \\
&:= 44/4 \times ((4 - 4/4)^4 + 4) \\
&:= 55 \times (((55 + 5)/5) + 5) \\
&:= ((6 + 6) \times (66 + 6 + 6)) - 6/6 \\
&:= 77/7 \times (7/7 + 77 + 7) \\
&:= 8 \times 8 \times (8 + 8) - (8/8 + 88) \\
&:= 9 + ((999 - (9/9 + 9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 936 &:= ((1 + 1)^{11}) - (1 + 1111) \\
&:= 2 \times (22^2 - 2^{2+2}) \\
&:= (3 \times 3 + 3) \times (3 \times 3^3 - 3) \\
&:= 4 \times 4^4 - (44 + 44) \\
&:= 5/5 + (55 \times (((55 + 5)/5) + 5)) \\
&:= (6 + 6) \times (66 + 6 + 6) \\
&:= (77 + 7)/7 \times (7/7 + 77) \\
&:= 8 \times 8 \times (8 + 8) - 88 \\
&:= 9 + ((999 - 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 937 &:= ((1 + 1)^{11}) - 1111 \\
&:= 2/2 + (2 \times (22^2 - 2^{2+2})) \\
&:= 3/3 + ((3 \times 3 + 3) \times (3 \times 3^3 - 3)) \\
&:= 4/4 + (4 \times 4^4 - (44 + 44)) \\
&:= 5^5/5 + (5^5 - 5)/(5 + 5) \\
&:= 6/6 + ((6 + 6) \times (66 + 6 + 6)) \\
&:= 7 + (((77 \times (77 + 7) - 7)/7) + 7) \\
&:= 8/8 + (8 \times 8 \times (8 + 8) - 88) \\
&:= 9 + (((999 - 9 \times 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 938 &:= 1 + (((1 + 1)^{11}) - 1111) \\
&:= 2 + (2 \times (22^2 - 2^{2+2})) \\
&:= 3 + ((3 \times 333) - ((3/3 + 3)^3)) \\
&:= 4 + ((4444 - 4)/4 - (4 \times 44)) \\
&:= 5^5/5 + (5^5 + 5)/(5 + 5) \\
&:= (6 + 6)/6 + ((6 + 6) \times (66 + 6 + 6)) \\
&:= 7 + (7 \times (77 + 7 \times 7 + 7)) \\
&:= (8 + 8)/8 + (8 \times 8 \times (8 + 8) - 88) \\
&:= 9 + (((99/9) - 9 \times 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 939 &:= 1 + (1 + (((1 + 1)^{11}) - 1111)) \\
&:= (((2/2 + 2)^2 + 22)^2) - 22 \\
&:= (3^3 \times (33 + 3)) - 33 \\
&:= 4 \times 4^4 - ((4 - 4/4)^4 + 4) \\
&:= (5^5 + 5)/5 + (5^5 + 5)/(5 + 5) \\
&:= 6 \times 6 \times 6 + (((6 \times 6)/(6 + 6))^6) - 6 \\
&:= 7 + (((77 \times (77 + 7) + 7)/7) + 7) \\
&:= 8 \times 8 + 888 - (88 + 8 + 8)/8 \\
&:= 99 + (999/9 + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 940 &:= 1 + (1 + (1 + (((1 + 1)^{11}) - 1111))) \\
&:= 2 \times ((22^2 - 2^{2+2}) + 2) \\
&:= 3/3 + ((3^3 \times (33 + 3)) - 33) \\
&:= (4 \times (4^4 - (4 \times 4 + 4))) - 4 \\
&:= 5 + (55 \times (((55 + 5)/5) + 5)) \\
&:= 6 + (((6 + 6) \times (66 + 6 + 6)) - ((6 + 6)/6)) \\
&:= 7 + (((77 \times (77 + 7) + 7) + 7)/7) + 7 \\
&:= 8 + ((88/((8 + 8)/8)) + 888) \\
&:= 9 \times 99 + ((9 \times 99 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 941 &:= 1111 - (1 + ((1 + (1 + 11))^{1+1})) \\
&:= (2 \times (22^2 - 2)) - (22 + 2/2) \\
&:= 3^{3+3} + ((3 + 3)^3 - (3/3 + 3)) \\
&:= 4/4 + ((4 \times (4^4 - (4 \times 4 + 4))) - 4) \\
&:= 5 + (55 \times (((55 + 5)/5) + 5)) + 5/5 \\
&:= 6 + (((6 + 6) \times (66 + 6 + 6)) - 6/6) \\
&:= 7 + ((7 \times (((7 + 7)/7)^7 + 7)) - (77/7)) \\
&:= 8 \times 8 + (888 - 88/8) \\
&:= 9 \times 99 + ((9 \times 99 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 942 &:= 1111 - ((1 + (1 + 11))^{1+1}) \\
&:= (2 \times (22^2 - 2)) - 22 \\
&:= 3^{3+3} + ((3 + 3)^3 - 3) \\
&:= 4 \times 4^4 - ((4 - 4/4)^4 + 4/4) \\
&:= 5 + ((5^5 - 5)/(5 + 5) + 5^5/5) \\
&:= 6 + ((6 + 6) \times (66 + 6 + 6)) \\
&:= 7 + (77/7 \times (7/7 + 77 + 7)) \\
&:= 8 \times 8 + ((8 - 88)/8 + 888) \\
&:= (9 \times (99 + 9 + 9)) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 943 &:= 1 + (1111 - ((1 + (1 + 11))^{1+1})) \\
&:= 2/2 + ((2 \times (22^2 - 2)) - 22) \\
&:= 3/3 + (((3+3)^3 - 3) + 3^{3+3}) \\
&:= 4 \times 4^4 - (4 - 4/4)^4 \\
&:= 5 + ((5^5 + 5)/(5 + 5) + 5^5/5) \\
&:= 6 + (((6+6) \times (66+6+6)) + 6/6) \\
&:= 7 + ((77+7)/7 \times (7/7 + 77)) \\
&:= 8 \times 8 + (888 - (8/8 + 8)) \\
&:= (((9+9)/9)^{9/9+9}) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 944 &:= (1 + 1) \times (((11 + 11)^{1+1}) - (1 + 11)) \\
&:= (2 \times 22^2) - (22 + 2) \\
&:= 3^{3+3} + ((3+3)^3 - 3/3) \\
&:= 4 \times (4^4 - (4 \times 4 + 4)) \\
&:= (5 - 5/5)^5 - (5 \times 5 + 55) \\
&:= 6 + (((6+6) \times (66+6+6)) + ((6+6)/6)) \\
&:= (7/7 + 7) \times (777/7 + 7) \\
&:= 8 \times 8 + 888 - 8 \\
&:= 999 + ((9 - 999)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 945 &:= ((1 + 1) \times (((11 + 11)^{1+1}) - 11)) - 1 \\
&:= (2 \times 22^2) - (22 + 2/2) \\
&:= 3^{3+3} + (3 + 3)^3 \\
&:= 4/4 + (4 \times (4^4 - (4 \times 4 + 4))) \\
&:= (5 \times (5 \times (55 + 5))) - 555 \\
&:= 6 \times 6 \times 6 + ((6 \times 6/(6+6))^6) \\
&:= 7 \times (((7+7)/7)^7 + 7) \\
&:= 8/8 + ((888 - 8) + 8 \times 8) \\
&:= (9 \times (99 + 9)) - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 946 &:= (1 + 1) \times (((11 + 11)^{1+1}) - 11) \\
&:= (2 \times 22^2) - 22 \\
&:= 3/3 + (3^{3+3} + (3 + 3)^3) \\
&:= (44 \times ((4 \times 44) - 4))/(4 + 4) \\
&:= 55/5 \times (555/5 - 5 \times 5) \\
&:= 6/6 + (((6 \times 6/(6+6))^6) + 6 \times 6 \times 6) \\
&:= 7/7 + (7 \times (((7+7)/7)^7 + 7)) \\
&:= 88/8 \times (88 - ((8+8)/8)) \\
&:= 9 \times 9 \times (9 + 9) - (((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 947 &:= 1 + ((1 + 1) \times (((11 + 11)^{1+1}) - 11)) \\
&:= 2/2 + ((2 \times 22^2) - 22) \\
&:= 3 + ((3^{3+3} - 3/3) + (3 + 3)^3) \\
&:= 4 + (4 \times 4^4 - (4 - 4/4)^4) \\
&:= 5 + (((5^5 - 5)/(5 + 5) + 5^5/5) + 5) \\
&:= 66/6 + ((6+6) \times (66+6+6)) \\
&:= ((7+7)/7) + (7 \times (((7+7)/7)^7 + 7)) \\
&:= 88/8 + (8 \times 8 \times (8 + 8) - 88) \\
&:= 9 \times 99 + ((999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 948 &:= 11 + (((1 + 1)^{11}) - 1111) \\
&:= 2 + ((2 \times 22^2) - 22) \\
&:= 3 + (3^{3+3} + (3 + 3)^3) \\
&:= 4 + (4 \times (4^4 - (4 \times 4 + 4))) \\
&:= 5 + (((5^5 + 5)/(5 + 5) + 5^5/5) + 5) \\
&:= 6 + (((6+6) \times (66+6+6)) + 6) \\
&:= (77+7)/7 \times ((7+7)/7 + 77) \\
&:= 8 \times 8 + (888 - (8/(8+8)/8)) \\
&:= ((99+9)/9) \times (9 \times 9 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 949 &:= 1 + (11 + (((1 + 1)^{11}) - 1111)) \\
&:= 2 + (((2 \times 22^2) - 22) + 2/2) \\
&:= 3 + ((3^{3+3} + (3 + 3)^3) + 3/3) \\
&:= 4 \times 4^4 - ((44 + 4^4)/4) \\
&:= (5 - 5/5)^5 - (5 \times (5 + 5 + 5)) \\
&:= (6/6 + 6 + 6) \times (66 + 6/6 + 6) \\
&:= 7 + ((77/7 \times (7/7 + 77 + 7)) + 7) \\
&:= (8 \times (8 \times (8 + 8) - 8)) - 88/8 \\
&:= 9999/9 - 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 950 &:= ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1}) - 11 \\
&:= (2 \times (22^2 + 2)) - 22 \\
&:= 3 + (((3^{3+3} - 3/3) + (3 + 3)^3) + 3) \\
&:= 4 + ((44 \times ((4 \times 44) - 4))/(4 + 4)) \\
&:= (5 + 5) \times (5 \times (5 \times 5 - 5) - 5) \\
&:= (6 \times 6 - (66/6)) \times (((6+6)/6) + 6 \times 6) \\
&:= 77 \times (7 + 7) - ((7+7)/7)^7 \\
&:= 8 \times 8 + (888 - ((8+8)/8)) \\
&:= 999 + ((9 - 9 \times 99)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 951 &:= 1 + (((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1}) - 11) \\
&:= 2/2 + ((2 \times (22^2 + 2)) - 22) \\
&:= 3 + ((3^{3+3} + (3 + 3)^3) + 3) \\
&:= 4 + ((4 \times 4^4 - (4 - 4/4)^4) + 4) \\
&:= 5/5 + ((5 + 5) \times (5 \times (5 \times 5 - 5) - 5)) \\
&:= 6 + (((6 \times 6/(6+6))^6) + 6 \times 6 \times 6) \\
&:= 7 + ((7/7 + 7) \times (777/7 + 7)) \\
&:= 8 \times 8 + (888 - 8/8) \\
&:= (9 \times (99 + 9)) - (((99+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 952 &:= (1 + 1)^{1+1+1} \times (11^{1+1} - (1 + 1)) \\
&:= 2 \times (22^2 - 2 \times (2 + 2)) \\
&:= (3^3 + 3/3) \times (3/3 + 33) \\
&:= (4 \times (4^4 - 4 \times 4)) - 4 - 4 \\
&:= (5 - 5/5) \times (((5 - (5 + 5)/5)^5) - 5) \\
&:= 6 \times 66 + (6666 + 6)/(6 + 6) \\
&:= 7 + (7 \times (((7+7)/7)^7 + 7)) \\
&:= 8 \times 8 + 888 \\
&:= (9 \times (99 + 9)) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 953 &:= 1 + ((1 + 1)^{1+1+1} \times (11^{1+1} - (1 + 1))) \\
&:= (2 \times (22^2 - 2)) - 22/2 \\
&:= ((3 + 3) \times ((3 + 3) \times 3^3 - 3)) - 3/3 \\
&:= 4 + (4 \times 4^4 - ((44 + 4^4)/4)) \\
&:= 55 + ((5^5 - 5 - 5)/5 + 5 \times 55) \\
&:= 6 + (((6+6) \times (66+6+6)) + (66/6)) \\
&:= 7 + ((7 \times (((7+7)/7)^7 + 7)) + 7/7) \\
&:= 8/8 + (888 + 8 \times 8) \\
&:= (9 \times (99 + 9)) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 954 &:= (11 - 1 - 1) \times (111 - (1 + (1 + (1 + 1 + 1)))) \\
&:= 2 + (2 \times (22^2 - 2 \times (2 + 2))) \\
&:= (3 + 3) \times ((3 + 3) \times 3^3 - 3) \\
&:= 4 \times 4^4 - (((4^4 + 4) + 4)/4) + 4 \\
&:= 5 + ((5 - 5/5)^5 - (5 \times (5 + 5 + 5))) \\
&:= 666 + 6 \times (6 \times 6 + 6 + 6) \\
&:= 7 \times 7 + (((7+7)/7)^7 + 777) \\
&:= 8 \times 8 + (888 + ((8+8)/8)) \\
&:= (9 \times (99 + 9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 955 &:= 1111 - ((1 + 11) \times (1 + (1 + 11))) \\
&:= (2 \times 22^2) - (22/2 + 2) \\
&:= (33 \times 3^3) + ((3/3 + 3)^3) \\
&:= 4 \times 4^4 - ((4^4 + 4)/4 + 4) \\
&:= 5 + ((5 + 5) \times (5 \times (5 \times 5 - 5) - 5)) \\
&:= (((6 \times 6 - 6) + 6/6)^{(6+6)/6}) - 6 \\
&:= 7 + ((77 + 7)/7 \times ((7+7)/7 + 77)) \\
&:= 8 \times 8 + (888 - 8 + 88/8) \\
&:= 9/9 + ((9 \times (99 + 9)) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 956 &:= 1111 - (11 + ((1 + 11)^{1+1})) \\
&:= 2 \times (22^2 - (2 + 2 + 2)) \\
&:= 3^{3+3} + ((3 + 3)^3 + 33/3) \\
&:= (4 \times (4^4 - 4 \times 4)) - 4 \\
&:= 55 + ((5^5 + 5)/5 + 5 \times 55) \\
&:= 6 + ((6 \times 6 - (66/6)) \times (((6+6)/6) + 6 \times 6)) \\
&:= 77/7 + (7 \times (((7+7)/7)^7 + 7)) \\
&:= (88 \times 88 - (88 + 8))/8 \\
&:= (9 + 9)/9 + ((9 \times (99 + 9)) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 957 &:= 11 \times (111 - ((1 + 1) \times (1 + 11))) \\
&:= (2 \times 22^2) - 22/2 \\
&:= 33 \times ((3^3 - 3/3) + 3) \\
&:= 4/4 + ((4 \times (4^4 - 4 \times 4)) - 4) \\
&:= 55/5 \times (((5 + 5)/5)^5 + 55) \\
&:= 6 + (((6 \times 6/(6+6))^6) + 6 \times 6 \times 6) + 6 \\
&:= 7 + (77 \times (7 + 7) - ((7+7)/7)^7) \\
&:= 88/8 \times (88 - 8/8) \\
&:= 99/9 \times (99 - ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 958 &:= 1 + (11 \times (111 - ((1+1) \times (1+11)))) \\
&:= (2 \times (22^2 - (2+2))) - 2 \\
&:= 3 + ((33 \times 3^3) + ((3/3+3)^3)) \\
&:= 4 \times 4^4 - (((4^4+4)+4)/4) \\
&:= (5-5/5)^5 - (55/5+55) \\
&:= (((6+6)/6)^{(66-6)/6}) - 66 \\
&:= (77 \times 77 + 777)/7 \\
&:= (8 \times (8 \times (8+8) - 8)) - (8+8)/8 \\
&:= 9 + (9999/9 - 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 959 &:= ((1+1)^{11}) - ((11 \times (1+1+1))^{1+1}) \\
&:= 2 + ((2 \times 22^2) - 22/2) \\
&:= ((3^3+3) \times (33-3/3)) - 3/3 \\
&:= 4 \times 4^4 - (4^4+4)/4 \\
&:= (5-5/5)^5 - (55+5+5) \\
&:= (6/6+6) \times ((66-6/6+66)+6) \\
&:= 77+7 \times (77+7 \times 7) \\
&:= (8 \times (8 \times (8+8) - 8)) - 8/8 \\
&:= 999 + ((9-9 \times 9 \times 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 960 &:= (1+11) \times ((11-1-1)^{1+1} - 1) \\
&:= 2 \times (22^2 - (2+2)) \\
&:= (3^3+3) \times (33-3/3) \\
&:= 4 \times (4^4 - 4 \times 4) \\
&:= (5 \times 5 + 5) \times ((5+5)/5)^5 \\
&:= (6-66) \times (((6-66)/6) - 6) \\
&:= 7/7 + (7 \times (77+7 \times 7) + 77) \\
&:= 8 \times (8 \times (8+8) - 8) \\
&:= (9-9/9) \times (999/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 961 &:= (1 + ((11-1) \times (1+1+1)))^{1+1} \\
&:= ((2/2+2)^2 + 22)^2 \\
&:= ((3^3+3/3)+3)^{3-3/3} \\
&:= 4/4 + (4 \times (4^4 - 4 \times 4)) \\
&:= ((5 \times 5 + 5/5) + 5)^{(5+5)/5} \\
&:= ((6 \times 6 - 6) + 6/6)^{(6+6)/6} \\
&:= (7 \times 7 - (77/7+7))^{(7+7)/7} \\
&:= 8/8 + (8 \times (8 \times (8+8) - 8)) \\
&:= (9 \times (99+9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 962 &:= 1 + ((1 + ((11-1) \times (1+1+1)))^{1+1}) \\
&:= (2 \times (22^2 - 2)) - 2 \\
&:= (33 \times 3^3) + (((3+3)^3 - 3)/3) \\
&:= (4+4)/4 + (4 \times (4^4 - 4 \times 4)) \\
&:= (5 \times 5 + 5/5) \times (((5+5)/5)^5 + 5) \\
&:= 6/6 + (((6 \times 6 - 6) + 6/6)^{(6+6)/6}) \\
&:= (7+7) \times (77-7) - (77/7+7) \\
&:= (8+8)/8 + (8 \times (8 \times (8+8) - 8)) \\
&:= (9 \times (99+9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 963 &:= 1 + (1 + ((1 + ((11-1) \times (1+1+1)))^{1+1})) \\
&:= (2 \times (22^2 - 2)) - 2/2 \\
&:= 3 \times (333 - (3 \times 3 + 3)) \\
&:= 4 + (4 \times 4^4 - (4^4 + 4)/4) \\
&:= (5 - 5/5)^5 - ((55 + 5/5) + 5) \\
&:= 6 \times 6 \times 6 \times 6 - 666 \times 6 / (6 + 6) \\
&:= 7 + ((7 \times ((7+7)/7)^7 + 7) + (77/7)) \\
&:= 8 \times 8 + (888 + 88/8) \\
&:= (9 \times (99+9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 964 &:= (1+1) \times (((11+11)^{1+1}) - (1+1)) \\
&:= 2 \times (22^2 - 2) \\
&:= ((3 \times 3 + 3/3)^3) - (33+3) \\
&:= 4 + (4 \times (4^4 - 4 \times 4)) \\
&:= (5 - 5/5)^5 - (55+5) \\
&:= 6 + (((6+6)/6)^{(66-6)/6}) - 66 \\
&:= 7777/7 - 7 \times (7+7+7) \\
&:= 8 + ((88 \times 88 - (88+8))/8) \\
&:= 9/9 + ((9 \times (99+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 965 &:= ((1+1) \times (((11+11)^{1+1}) - 1)) - 1 \\
&:= 2/2 + (2 \times (22^2 - 2)) \\
&:= (3 \times 333) - (3/3 + 33) \\
&:= 4 + ((4 \times (4^4 - 4 \times 4)) + 4/4) \\
&:= 5 + ((5 \times 5 + 5) \times ((5+5)/5)^5) \\
&:= 66 + ((6 \times ((6+6) \times (6+6) + 6)) - 6/6) \\
&:= 7 + ((77 \times 77 + 777)/7) \\
&:= 8 + (88/8 \times (88 - 8/8)) \\
&:= (9+9)/9 + ((9 \times (99+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 966 &:= (1+1) \times (((11+11)^{1+1}) - 1) \\
&:= (2 \times 22^2) - 2 \\
&:= (3 \times 333) - 33 \\
&:= (44 \times 44 - 4) / ((4+4)/4) \\
&:= 5 + (((5 \times 5 + 5/5) + 5)^{(5+5)/5}) \\
&:= 66 + (6 \times ((6+6) \times (6+6) + 6)) \\
&:= (7+7) \times (77 - (7/7+7)) \\
&:= (88 \times 88 - (8+8))/8 \\
&:= 999 - (99 / ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 967 &:= 1111 - ((1+11)^{1+1}) \\
&:= (2 \times 22^2) - 2/2 \\
&:= ((3 \times 3 + 3/3)^3) - 33 \\
&:= ((44 \times (44+44)) - 4)/4 \\
&:= (5 - 5/5)^5 - ((5+5)/5 + 55) \\
&:= 6 + (((6 \times 6 - 6) + 6/6)^{(6+6)/6}) \\
&:= 77 \times (7+7) - 777/7 \\
&:= (88 \times 88 - 8)/8 \\
&:= (9 \times (99+9)) + ((9-99)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 968 &:= (1+1) \times ((11+11)^{1+1}) \\
&:= 2 \times 22^2 \\
&:= (3/3+3) \times ((3^{3+3} - 3)/3) \\
&:= 4 + ((4 \times (4^4 - 4 \times 4)) + 4) \\
&:= (5 - 5/5)^5 - (55 + 5/5) \\
&:= (66/6) \times (((66+66)/6) + 66) \\
&:= (7/7+7) \times (((7+7)/7)^7 - 7) \\
&:= 88 \times (88/8) \\
&:= 99/9 \times (99 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 969 &:= 1 + ((1+1) \times ((11+11)^{1+1})) \\
&:= 2/2 + (2 \times 22^2) \\
&:= (3^3 \times (33+3)) - 3 \\
&:= 4 \times 4^4 - (44/4+44) \\
&:= (5-5/5)^5 - 55 \\
&:= (6 \times 6 \times (6 \times 6 - 6)) - 666/6 \\
&:= (7+7) \times (77-7) - 77/7 \\
&:= (88 \times 88 + 8)/8 \\
&:= (9 \times (99+9)) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 970 &:= (1+1) \times (1 + ((11+11)^{1+1})) \\
&:= 2 + (2 \times 22^2) \\
&:= 3 + (((3 \times 3 + 3/3)^3) - 33) \\
&:= (44 \times 44 + 4) / ((4+4)/4) \\
&:= 5/5 + ((5-5/5)^5 - 55) \\
&:= ((6-666)/6) + (6 \times 6 \times (6 \times 6 - 6)) \\
&:= ((7-77)/7) + (7+7) \times (77-7) \\
&:= ((88 \times 88 + 8) + 8)/8 \\
&:= (9 \times (99+9)) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 971 &:= 1 + ((1+1) \times (1 + ((11+11)^{1+1}))) \\
&:= 2 + ((2 \times 22^2) + 2/2) \\
&:= (3^3 \times (33+3)) - 3/3 \\
&:= 44/4 + (4 \times (4^4 - 4 \times 4)) \\
&:= ((5-5/5)^{5/5+5}) - 5^5 \\
&:= ((6+6+6) \times (66 - (6+6))) - 6/6 \\
&:= (7+7) \times (77-7) - ((7+7)/7+7) \\
&:= 88/8 + (8 \times (8 \times (8+8) - 8)) \\
&:= (9 \times (99+9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 972 &:= (1+11) \times (11-1-1)^{1+1} \\
&:= 2 \times (22^2 + 2) \\
&:= 3^3 \times (33+3) \\
&:= 4 \times ((4-4/4)^{4+4/4}) \\
&:= (5-5/5) \times ((5-(5+5)/5)^5) \\
&:= (6+6+6) \times (66 - (6+6)) \\
&:= (7+7) \times (77-7) - (7/7+7) \\
&:= 88 + (888 - (8/((8+8)/8))) \\
&:= 9 \times (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 973 &:= 1 + ((1 + 11) \times (11 - 1 - 1))^{1+1}) \\
&:= 2/2 + (2 \times (22^2 + 2)) \\
&:= 3/3 + (3^3 \times (33 + 3)) \\
&:= 4 + (4 \times 4^4 - (44/4 + 44)) \\
&:= 5 + ((5 - 5/5)^5 - (55 + 5/5)) \\
&:= 6/6 + ((6 + 6 + 6) \times (66 - (6 + 6))) \\
&:= (7 + 7) \times (77 - 7) - 7 \\
&:= 8 + ((88/8 \times (88 - 8/8)) + 8) \\
&:= 9/9 + (9 \times (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 974 &:= 1 + (1 + ((1 + 11) \times (11 - 1 - 1))^{1+1})) \\
&:= 2 + (2 \times (22^2 + 2)) \\
&:= 3 + ((3^3 \times (33 + 3)) - 3/3) \\
&:= 4 + ((44 \times 44 + 4)/(4 + 4)/4) \\
&:= 5 + ((5 - 5/5)^5 - 55) \\
&:= (6 + 6)/6 + ((6 + 6 + 6) \times (66 - (6 + 6))) \\
&:= 7/7 + ((7 + 7) \times (77 - 7) - 7) \\
&:= 8 + ((88 \times 88 - (8 + 8))/8) \\
&:= (9 + 9)/9 + (9 \times (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 975 &:= 111 + (((1 + 11))^{1+1+1})/(1 + 1)) \\
&:= 2 + ((2 \times (22^2 + 2)) + 2/2) \\
&:= 3 + (3^3 \times (33 + 3)) \\
&:= 4 \times 4^4 - ((44 + 4/4) + 4) \\
&:= 5 \times ((5 \times 5 \times (5 + 5)) - 55) \\
&:= 666/6 + (6 \times (6 + 6) \times (6 + 6)) \\
&:= 7 + ((7/7 + 7) \times (((7 + 7)/7)^7 - 7)) \\
&:= 8 + ((88 \times 88 - 8)/8) \\
&:= (9 \times (99 + 9)) + ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 976 &:= (1 + 1)^{1+1+1} \times (1 + 11)^{1+1} \\
&:= 2 \times (22^2 + 2 + 2) \\
&:= 3 + ((3^3 \times (33 + 3)) + 3/3) \\
&:= 4 \times ((4^4 - 4 \times 4) + 4) \\
&:= 5 + (((5 - 5/5)^{5/5+5}) - 5^5) \\
&:= ((6 + 6)/6 + 6) \times ((666 + 66)/6) \\
&:= 7 + ((7 + 7) \times (77 - 7) - (77/7)) \\
&:= 88 + 888 \\
&:= 999 - ((99 + 99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 977 &:= 1 + (1 + 1)^{1+1+1} \times (1 + 11)^{1+1} \\
&:= 2/2 + (2 \times (22^2 + 2 + 2)) \\
&:= 3 + (((3^3 \times (33 + 3)) - 3/3) + 3) \\
&:= 4/4 + (4 \times ((4^4 - 4 \times 4) + 4)) \\
&:= 5 + ((5 - 5/5) \times ((5 - (5 + 5)/5)^5)) \\
&:= 6 + (((6 + 6 + 6) \times (66 - (6 + 6))) - 6/6) \\
&:= (7 + 7) \times (77 - 7) - (7 + 7 + 7)/7 \\
&:= 8 + ((88 \times 88 + 8)/8) \\
&:= 999 - ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 978 &:= 1111 - (1 + 11 \times (1 + 11)) \\
&:= 2 + (2 \times (22^2 + 2 + 2)) \\
&:= 3 + ((3^3 \times (33 + 3)) + 3) \\
&:= 4 \times 4^4 - ((4 + 4)/4 + 44) \\
&:= 5 + (((5 - 5/5)^5 - (55 + 5/5)) + 5) \\
&:= 6 + ((6 + 6 + 6) \times (66 - (6 + 6))) \\
&:= (7 + 7) \times (77 - 7) - (7 + 7)/7 \\
&:= 8 + (((88 \times 88 + 8) + 8)/8) \\
&:= 999 - (((99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 979 &:= 11 \times (111 - 11 - 11) \\
&:= 22/2 + (2 \times 22^2) \\
&:= (3 \times (333 - 3)) - 33/3 \\
&:= 4 \times 4^4 - (44 + 4/4) \\
&:= 5 + (((5 - 5/5)^5 - 55) + 5) \\
&:= (6666/6) - (66 + 66) \\
&:= (7 + 7) \times (77 - 7) - 7/7 \\
&:= 88/8 \times (8/8 + 88) \\
&:= 999 - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 980 &:= 1 + 11 \times (111 - 11 - 11) \\
&:= 2 \times ((22^2 + 2 + 2) + 2) \\
&:= (3 \times (333 - (3 + 3))) - 3/3 \\
&:= 4 \times 4^4 - 44 \\
&:= 5 + (5 \times ((5 \times 5 \times (5 + 5)) - 55)) \\
&:= (6 \times 6 - 6/6) \times (((66 + 66)/6) + 6) \\
&:= (7 + 7) \times (77 - 7) \\
&:= ((88 \times 88 + 88) + 8)/8 \\
&:= 9 + ((9 \times (99 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 981 &:= (11 - 1 - 1) \times (111 - 1 - 1) \\
&:= 2 + ((2 \times 22^2) + 22/2) \\
&:= 3 \times (333 - (3 + 3)) \\
&:= 4/4 + (4 \times 4^4 - 44) \\
&:= (5555/5) - (5 \times 5 \times 5 + 5) \\
&:= 6 \times (6 \times 6 + 6) + ((6 \times 6)/(6 + 6))^6) \\
&:= 7/7 + (7 + 7) \times (77 - 7) \\
&:= (8/8 + 8) \times ((888 - (8 + 8))/8) \\
&:= 9 + (9 \times (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 982 &:= 1 + (11 - 1 - 1) \times (111 - 1 - 1) \\
&:= 2 + (2 \times ((22^2 + 2 + 2) + 2)) \\
&:= 3/3 + (3 \times (333 - (3 + 3))) \\
&:= (4 + 4)/4 + (4 \times 4^4 - 44) \\
&:= 5 + (((5 - 5/5) \times ((5 - (5 + 5)/5)^5)) + 5) \\
&:= (((6 + 6)/6)^{(66-6)/6}) - (6 \times 6 + 6) \\
&:= ((7 + 7)/7) + (7 + 7) \times (77 - 7) \\
&:= 8 + (((88 \times 88 - (8 + 8))/8) + 8) \\
&:= 9 + ((9 \times (99 + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 983 &:= 1 + 1 + (11 - 1 - 1) \times (111 - 1 - 1) \\
&:= 22/2 + (2 \times (22^2 + 2)) \\
&:= 33/3 + (3^3 \times (33 + 3)) \\
&:= 4 + 4 \times 4^4 - (44 + 4/4) \\
&:= (5 - 5/5)^5 - ((55/5 + 5 \times 5) + 5) \\
&:= 66/6 + ((6 + 6 + 6) \times (66 - (6 + 6))) \\
&:= ((7 + 7 + 7)/7) + (7 + 7) \times (77 - 7) \\
&:= 8 + (((88 \times 88 - 8)/8) + 8) \\
&:= 99/9 + (9 \times (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 984 &:= (1 + 11) \times (1 + (11 - 1 - 1))^{1+1} \\
&:= 2 \times (2 \times (2 + 2) + 22^2) \\
&:= 3 + (3 \times (333 - (3 + 3))) \\
&:= 4 + (4 \times 4^4 - 44) \\
&:= 5 + (((5 - 5/5)^5 - 55) + 5) + 5) \\
&:= 6 + (((6 + 6 + 6) \times (66 - (6 + 6))) + 6) \\
&:= 77/7 + ((7 + 7) \times (77 - 7) - 7) \\
&:= 8 + (888 + 88) \\
&:= (9 \times (99 + 9)) + (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 985 &:= 1 + (1 + 11) \times (1 + (11 - 1 - 1))^{1+1} \\
&:= 2 + ((2 \times (22^2 + 2)) + 22/2) \\
&:= (3 \times 333) - (33/3 + 3) \\
&:= 4 + ((4 \times 4^4 - 44) + 4/4) \\
&:= 5 + (5 \times ((5 \times 5 \times (5 + 5)) - 55)) + 5) \\
&:= 6 + ((6666/6) - (66 + 66)) \\
&:= 7 + ((7 + 7) \times (77 - 7) - ((7 + 7)/7)) \\
&:= 8 + (((88 \times 88 + 8)/8) + 8) \\
&:= 9 \times 9 \times 9 + (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 986 &:= (11 - 1)^{1+1+1} - 1 - 1 - 1 - 11 \\
&:= 22 + (2 \times (22^2 - 2)) \\
&:= (3 \times (333 - 3)) - (3/3 + 3) \\
&:= 4 + (((4 + 4)/4 - 44) + 4 \times 4^4) \\
&:= (5555/5) - 5 \times 5 \times 5 \\
&:= ((66/6) + 6) \times (((6 + 6)/6)^6 - 6) \\
&:= 7 + ((7 + 7) \times (77 - 7) - 7/7) \\
&:= 8 + (((88 \times 88 + 8)/8) + 8) \\
&:= 999 - ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 987 &:= (11 - 1)^{1+1+1} - 1 - 1 - 11 \\
&:= 22 + ((2 \times (22^2 - 2)) + 2/2) \\
&:= (3 \times (333 - 3)) - 3 \\
&:= (4 \times (4^4 - 4 - 4)) - (4/4 + 4) \\
&:= (5 - 5/5)^5 - (((5 + 5)/5)^5 + 5) \\
&:= ((66 \times (6 \times 6 - 6)) - 6)/(6 + 6)/6) \\
&:= 7 + (7 + 7) \times (77 - 7) \\
&:= 8 + (88/8 \times (8/8 + 88)) \\
&:= 999 - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 988 &:= (11-1)^{1+1+1} - 1 - 11 \\
&:= 22 + ((2 \times 22^2) - 2) \\
&:= (3 \times 333) - 33/3 \\
&:= (4 \times (4^4 - 4 - 4)) - 4 \\
&:= (5 - 5/5)^5 - (55/5 + 5 \times 5) \\
&:= (((6+6)/6)^{(66-6)/6}) - 6 \times 6 \\
&:= 7 + ((7+7) \times (77-7) + 7/7) \\
&:= 8 + (((88 \times 88 + 88) + 8)/8) \\
&:= 999 - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 989 &:= (11-1)^{1+1+1} - 11 \\
&:= 22 + ((2 \times 22^2) - 2/2) \\
&:= (3 \times (333 - 3)) - 3/3 \\
&:= 4/4 + ((4 \times (4^4 - 4 - 4)) - 4) \\
&:= (5 - 5/5)^5 - ((5 \times 5 + 5) + 5) \\
&:= 666 + ((6 \times (66 - (6 + 6))) - 6/6) \\
&:= 7 + ((7+7) \times (77-7) + ((7+7)/7)) \\
&:= 888 + (8888/88) \\
&:= 999 - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 990 &:= (11-1-1) \times (111-1) \\
&:= 22 + (2 \times 22^2) \\
&:= 3 \times (333 - 3) \\
&:= (4 \times (4^4 - 4 - 4)) - (4+4)/4 \\
&:= (5+5) \times (5 \times (5 \times 5 - 5) - 5/5) \\
&:= 6 \times ((66 \times (6 \times 6 - 6))/(6+6)) \\
&:= 77/7 \times ((77-7)/7 + 7) \\
&:= 88/8 \times ((8+8)/8 + 88) \\
&:= 999 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 991 &:= 1 + (11-1-1) \times (111-1) \\
&:= 22 + ((2 \times 22^2) + 2/2) \\
&:= 3/3 + (3 \times (333 - 3)) \\
&:= (4 \times (4^4 - 4 - 4)) - 4/4 \\
&:= 5 + ((5555/5) - 5 \times 5 \times 5) \\
&:= 6/6 + ((6 \times (66 - (6 + 6))) + 666) \\
&:= 77/7 + (7+7) \times (77-7) \\
&:= 888 + (888/8 - 8) \\
&:= 9/9 + (999 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 992 &:= 1 + 1 + (11-1-1) \times (111-1) \\
&:= 2 + ((2 \times 22^2) + 22) \\
&:= 3 + ((3 \times (333 - 3)) - 3/3) \\
&:= 4 \times (4^4 - 4 - 4) \\
&:= (5 - 5/5)^5 - ((5+5)/5)^5 \\
&:= 6 + (((66/6) + 6) \times (((6+6)/6)^6 - 6)) \\
&:= (77+7)/7 + (7+7) \times (77-7) \\
&:= 8 + ((888 + 88) + 8) \\
&:= (9+9)/9 + (999 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 993 &:= 1 + 1 + 1 + (11-1-1) \times (111-1) \\
&:= 2 + (((2 \times 22^2) + 22) + 2/2) \\
&:= 3 + (3 \times (333 - 3)) \\
&:= 4/4 + (4 \times (4^4 - 4 - 4)) \\
&:= (5 - 5/5)^5 - ((5 \times 5 + 5/5) + 5) \\
&:= ((66 \times (6 \times 6 - 6)) + 6)/((6+6)/6) \\
&:= 7 + (((7+7) \times (77-7) - 7/7) + 7) \\
&:= 8 + (((88 \times 88 + 8)/8) + 8) + 8) \\
&:= 999 + (((9+9+9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 994 &:= (1+1)^{11-1} - (11-1) \times (1+1+1) \\
&:= 22 + (2 \times (22^2 + 2)) \\
&:= ((3 \times 3 + 3/3)^3) - (3+3) \\
&:= (4+4)/4 + (4 \times (4^4 - 4 - 4)) \\
&:= (5 - 5/5)^5 - (5 \times 5 + 5) \\
&:= (((66 - 6)/6)^{6 \times 6/(6+6)}) - 6 \\
&:= 7 + ((7+7) \times (77-7) + 7) \\
&:= 8 + (((88 \times 88 + 8)/8) + 8) + 8) \\
&:= 999 + ((9 - 99)/(9+9))
\end{aligned}$$

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

$$\begin{aligned}
\blacktriangleright 996 &:= (1+1+1) \times ((1+1+1) \times 111-1) \\
&:= 2 + ((2 \times (22^2 + 2)) + 22) \\
&:= (3 \times 333) - 3 \\
&:= 4 + (4 \times (4^4 - 4 - 4)) \\
&:= 5/5 + ((5 \times (5+5) \times (5 \times 5 - 5)) - 5) \\
&:= (6+6) \times (66/6 + 66 + 6) \\
&:= (77+7)/7 \times (77-7/7 + 7) \\
&:= 8 \times 8 \times 8 + 88 \times 88/(8+8) \\
&:= 999 - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 997 &:= (11-1)^{1+1+1} - (1+1+1) \\
&:= ((2/2 + 2)^2 \times 222/2) - 2 \\
&:= ((3 \times 3 + 3/3)^3) - 3 \\
&:= (4 \times (4^4 - 4)) - 44/4 \\
&:= 5 + ((5 - 5/5)^5 - ((5+5)/5)^5) \\
&:= 6 \times 6 + (((6 \times 6 - 6) + 6/6)^{(6+6)/6}) \\
&:= (((77+7)^{(7+7)/7}) - 77)/7 \\
&:= 888 + ((888 - (8+8))/8) \\
&:= 999 - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 998 &:= (11-1)^{1+1+1} - 1 - 1 \\
&:= 22 + (2 \times (22^2 + 2 + 2)) \\
&:= (3 \times 333) - 3/3 \\
&:= (4 \times (4^4 - 4)) + (4 - 44)/4 \\
&:= (5 - 5/5)^5 - (5 \times 5 + 5/5) \\
&:= 666 + (6 \times 66 - ((6+6)/6)^6) \\
&:= 7 + ((7+7) \times (77-7) + (77/7)) \\
&:= 888 + ((888 - 8)/8) \\
&:= 999 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 999 &:= 111 \times (11-1-1) \\
&:= (2/2 + 2)^2 \times 222/2 \\
&:= 3 \times 333 \\
&:= ((4/4 + 4) + 4) \times 444/4 \\
&:= (5 - 5/5)^5 - 5 \times 5 \\
&:= (6 \times 666)/(6 - ((6+6)/6)) \\
&:= ((7+7)/7 + 7) \times 777/7 \\
&:= 888 + 888/8 \\
&:= 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1000 &:= (11-1)^{1+1+1} \\
&:= 2 \times (2^{2+2} + 22^2) \\
&:= (3 \times 3 + 3/3)^3 \\
&:= (4 \times (4^4 - 4)) - 4 - 4 \\
&:= 5 \times (5+5) \times (5 \times 5 - 5) \\
&:= ((66 - 6)/6)^{6 \times 6/(6+6)} \\
&:= ((77-7)/7)^{(7+7+7)/7} \\
&:= 8 \times 8 \times (8+8) - 8 - 8 - 8 \\
&:= 9/9 + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1001 &:= 1 + (11-1)^{1+1+1} \\
&:= ((2^{22/2} - 2)/2) - 22 \\
&:= 3 + (3 \times 333 - 3/3) \\
&:= 4 + (4 \times (4^4 - 4) - 44/4) \\
&:= 5/5 + 5 \times (5+5) \times (5 \times 5 - 5) \\
&:= (6/6 + 6) \times ((6+6) \times (6+6) - 6/6) \\
&:= 77 \times (7 - 7/7 + 7) \\
&:= 8/8 + (8 \times 8 \times (8+8) - (8+8+8)) \\
&:= (9+9)/9 + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1002 &:= 1 + 1 + (11-1)^{1+1+1} \\
&:= 2^{2 \times (2+2)+2} - 22 \\
&:= 3 + 3 \times 333 \\
&:= 4 \times 4^4 - (44/((4+4)/4)) \\
&:= (5+5)/5 + 5 \times (5+5) \times (5 \times 5 - 5) \\
&:= 66 + ((6+6) \times (66 + 6 + 6)) \\
&:= 7/7 + 77 \times (7 - 7/7 + 7) \\
&:= ((8+8)/8) \times (8 \times 8 \times 8 - 88/8) \\
&:= 999 + ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1003 &:= 1 + 1 + 1 + (11 - 1)^{1+1+1} \\
&:= (2^{2^{2/2}} + 2)/2 - 22 \\
&:= 3 + ((3 \times 3 + 3/3)^3) \\
&:= 4 \times (4^4 - 4) - (4/4 + 4) \\
&:= 5 + ((5 - 5/5)^5 - (5 \times 5 + 5/5)) \\
&:= (66/6 + 6) \times (66 - (6/6 + 6)) \\
&:= ((7 + 7)/7) + 77 \times (7 - 7/7 + 7) \\
&:= 8 + ((88/8 \times (8/8 + 88) + 8) + 8) \\
&:= 999 + ((9 \times 9 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1004 &:= 1 + 1 + 1 + 1 + (11 - 1)^{1+1+1} \\
&:= 2 + 2^{2 \times (2+2)+2} - 22 \\
&:= 3 + ((3 \times 333 - 3/3) + 3) \\
&:= 4 \times (4^4 - 4) - 4 \\
&:= 5 + ((5 - 5/5)^5 - 5 \times 5) \\
&:= (6 - ((6 + 6)/6)) \times (6 \times (6 \times 6 + 6) - 6/6) \\
&:= 7 + (((77 + 7)^{(7+7)/7}) - 77)/7 \\
&:= 8 \times 8 \times (8 + 8) - ((88 + 8)/8 + 8) \\
&:= 999 + ((9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1005 &:= 1 + 1 + 1 + 1 + 1 + (11 - 1)^{1+1+1} \\
&:= (2 + 2^{2^{2/2}} + 2)/2 - 22 \\
&:= 3 + (3 \times 333 + 3) \\
&:= 4/4 + (4 \times (4^4 - 4) - 4) \\
&:= 5 + 5 \times (5 + 5) \times (5 \times 5 - 5) \\
&:= 6 + ((6 \times 666)/(6 - ((6 + 6)/6))) \\
&:= 7 + (((7 + 7) \times (77 - 7) + (77/7)) + 7) \\
&:= 8 \times 8 \times (8 + 8) - (88/8 + 8) \\
&:= 9 + (999 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1006 &:= (11 - 1 - 1) \times (1 + 111) - 1 - 1 \\
&:= (2 \times ((22^2 - 2) + 22)) - 2 \\
&:= 3 + (((3 \times 3 + 3/3)^3) + 3) \\
&:= 4 \times (4^4 - 4) - (4 + 4)/4 \\
&:= 5 + (5 \times (5 + 5) \times (5 \times 5 - 5) + 5/5) \\
&:= 6 + (((66 - 6)/6)^{6 \times 6/(6+6)}) \\
&:= 7 + (((7 + 7)/7 + 7) \times 777/7) \\
&:= 8 + ((888 - 8)/8 + 888) \\
&:= 9 + (999 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1007 &:= (11 - 1 - 1) \times (1 + 111) - 1 \\
&:= (2^{2^{2/2}} - 2)/2 - 2^{2+2} \\
&:= (3 \times (333 + 3)) - 3/3 \\
&:= 4 \times (4^4 - 4) - 4/4 \\
&:= (5 - 5/5)^5 - (((55 + 5)/5) + 5) \\
&:= 6 \times 6 \times 6 + (66 \times (6 + 6) - 6/6) \\
&:= (((77 + 7)^{(7+7)/7}) - 7)/7 \\
&:= 8 + (888/8 + 888) \\
&:= 9 + (999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1008 &:= (11 - 1 - 1) \times (1 + 111) \\
&:= 2 \times (22^2 - 2 + 22) \\
&:= 3 \times (333 + 3) \\
&:= 4 \times (4^4 - 4) \\
&:= (5 - 5/5)^5 - (55/5 + 5) \\
&:= 6 \times ((6 \times 6 + 66) + 66) \\
&:= 7 + 77 \times (7 - 7/7 + 7) \\
&:= (8 + 8) \times (8 \times 8 - 8/8) \\
&:= 9 + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1009 &:= 1 + (11 - 1 - 1) \times (1 + 111) \\
&:= 2/2 + 2 \times (22^2 - 2 + 22) \\
&:= 3 \times 3 + ((3 \times 3 + 3/3)^3) \\
&:= 4/4 + 4 \times (4^4 - 4) \\
&:= (5 - 5/5)^5 - (5 + 5 + 5) \\
&:= 6/6 + (66 \times (6 + 6) + 6 \times 6 \times 6) \\
&:= (((77 + 7)^{(7+7)/7}) + 7)/7 \\
&:= 8/8 + ((8 + 8) \times (8 \times 8 - 8/8)) \\
&:= 9 + (999 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1010 &:= (11111 - 1)/11 \\
&:= 2 \times (22^2 + 22) - 2 \\
&:= 33/3 + 3 \times 333 \\
&:= (4 + 4)/4 + 4 \times (4^4 - 4) \\
&:= 5 + (5 \times (5 + 5) \times (5 \times 5 - 5) + 5) \\
&:= 6 \times 6 \times 6 + (66 \times (6 + 6) + ((6 + 6)/6)) \\
&:= ((7 + 7)/7)^7 + 7 \times (77 + 7 \times 7) \\
&:= 888 + ((888 + 88)/8) \\
&:= 99/9 + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1011 &:= 11 + (11 - 1)^{1+1+1} \\
&:= 2 \times (22^2 + 22) - 2/2 \\
&:= 3 + (3 \times (333 + 3)) \\
&:= 4 + (4 \times (4^4 - 4) - 4/4) \\
&:= 5 \times 55 + (555 + 5^5)/5 \\
&:= 6 + (((6 \times 666)/(6 - ((6 + 6)/6))) + 6) \\
&:= 7 \times 7 \times (7 + 7 + 7) - (77/7 + 7) \\
&:= 8 \times 8 \times (8 + 8) - (88 + 8 + 8)/8 \\
&:= 999 + (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1012 &:= (1 + 1)^{11-1} - 1 - 11 \\
&:= 2 \times (22^2 + 22) \\
&:= 3 + (3 \times (333 + 3) + 3/3) \\
&:= 4 + 4 \times (4^4 - 4) \\
&:= (5 - 5/5)^5 - (55 + 5)/5 \\
&:= (((6 + 6)/6)^{(66-6)/6}) - 6 - 6 \\
&:= 77/7 + 77 \times (7 - 7/7 + 7) \\
&:= 8 \times 8 \times (8 + 8) - (88 + 8)/8 \\
&:= 9999/9 - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1013 &:= (1 + 1)^{11-1} - 11 \\
&:= (2^{2^{2/2}} - 22)/2 \\
&:= 3 + (3 \times 333 + 33/3) \\
&:= 4 \times 4^4 - 44/4 \\
&:= (5 - 5/5)^5 - 55/5 \\
&:= (6 \times 6 \times (6 \times 6 - 6)) - (66 + 6/6) \\
&:= 7777/7 - 7 \times (7 + 7) \\
&:= 8 \times 8 \times (8 + 8) - 88/8 \\
&:= (9999 + 9)/9 - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1014 &:= 1 + (1 + 1)^{11-1} - 11 \\
&:= 2 + 2 \times (22^2 + 22) \\
&:= 3 + (3 \times (333 + 3) + 3) \\
&:= 4 \times 4^4 + (4 - 44)/4 \\
&:= (5 - 5/5)^5 - 5 - 5 \\
&:= (6 \times 6 \times (6 \times 6 - 6)) - 66 \\
&:= (7 - 7/7 + 7) \times (7/7 + 77) \\
&:= (8 - 88)/8 + 8 \times 8 \times (8 + 8) \\
&:= 9 + ((999 - ((9 + 9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1015 &:= 1 + 1 + (1 + 1)^{11-1} - 11 \\
&:= 2 + (2^{2^{2/2}} - 22)/2 \\
&:= 3 + ((3 \times (333 + 3) + 3/3) + 3) \\
&:= 4 \times 4^4 - ((4/4 + 4) + 4) \\
&:= 5 \times (((5^5 - 5)/(5 + 5 + 5)) - 5) \\
&:= 6/6 + ((6 \times 6 \times (6 \times 6 - 6)) - 66) \\
&:= 7 \times 7 \times (7 + 7 + 7) - (7 + 7) \\
&:= 8 \times 8 \times (8 + 8) - (8/8 + 8) \\
&:= (((9 + 9)/9)^{9/9+9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1016 &:= 1 + 1 + 1 + (1 + 1)^{11-1} - 11 \\
&:= 2 \times (22^2 + 22 + 2) \\
&:= (3 \times ((333 + 3) + 3)) - 3/3 \\
&:= 4 \times 4^4 - 4 - 4 \\
&:= (5 + 5)/5 + ((5 - 5/5)^5 - (5 + 5)) \\
&:= (6 \times 6 \times (6 \times 6 - 6)) - ((6 + 6)/6)^6 \\
&:= 7 + (((77 + 7)^{(7+7)/7}) + 7)/7 \\
&:= 8 \times 8 \times (8 + 8) - 8 \\
&:= 9 + ((999 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1017 &:= (11 - 1 - 1) \times (1 + 1 + 111) \\
&:= 2 + (2^{2^{2/2}} - 22)/2 + 2 \\
&:= 3 \times ((333 + 3) + 3) \\
&:= 4 + (4 \times 4^4 - 44/4) \\
&:= (5 - 5/5)^5 - ((5 + 5)/5 + 5) \\
&:= 6 \times (6 \times 6 + 6 + 6) + ((6 \times 6)/(6 + 6))^6 \\
&:= ((7/7 + 7) \times ((7 + 7)/7)^7) - 7 \\
&:= 8/8 + (8 \times 8 \times (8 + 8) - 8) \\
&:= 9 + (999 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1018 &:= ((1+1)^{11} - (1+11))/(1+1) \\
&:= 2 + (2 \times ((22^2 + 22) + 2)) \\
&:= 3/3 + (3 \times ((333 + 3) + 3)) \\
&:= 4 \times 4^4 - ((4+4)/4 + 4) \\
&:= (5 - 5/5)^5 - (5/5 + 5) \\
&:= (((6+6)/6)^{(66-6)/6} - 6) \\
&:= 7 \times 7 \times (7+7+7) - 77/7 \\
&:= (8+8)/8 + (8 \times 8 \times (8+8) - 8) \\
&:= 9 + ((999+9)/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1019 &:= (1 + (1+1)^{11} - 11)/(1+1) \\
&:= ((2^{22/2} - 2)/2) - 2 - 2 \\
&:= 33/3 + (3 \times (333 + 3)) \\
&:= 4 \times 4^4 - (4/4 + 4) \\
&:= (5 - 5/5)^5 - 5 \\
&:= ((66 - 6) \times (66/6 + 6)) - 6/6 \\
&:= ((7 - 77)/7) + 7 \times 7 \times (7 + 7 + 7) \\
&:= 88/8 + ((8+8) \times (8 \times 8 - 8/8)) \\
&:= 9 + (99/9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1020 &:= (1+1)^{11-1} - 1 - 1 - 1 - 1 \\
&:= 2 \times ((2^{(2/2+2)^2} - 2)) \\
&:= 3 + (3 \times ((333 + 3) + 3)) \\
&:= 4 \times 4^4 - 4 \\
&:= 5/5 + ((5 - 5/5)^5 - 5) \\
&:= (66 - 6) \times (66/6 + 6) \\
&:= 7 + (7777/7 - 7 \times (7 + 7)) \\
&:= 8 \times 8 \times (8 + 8) - (8/((8+8)/8)) \\
&:= 9 + (((99+9)/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1021 &:= (1+1)^{11-1} - 1 - 1 - 1 \\
&:= ((2^{22/2} - 2)/2) - 2 \\
&:= ((3 - 3/3)^{3 \times 3 + 3/3}) - 3 \\
&:= 4/4 + (4 \times 4^4 - 4) \\
&:= (5 + 5)/5 + ((5 - 5/5)^5 - 5) \\
&:= 6/6 + ((66 - 6) \times (66/6 + 6)) \\
&:= 7 \times 7 \times (7 + 7 + 7) - (7/7 + 7) \\
&:= 8 + (8 \times 8 \times (8 + 8) - (88/8)) \\
&:= 9 + (9999/9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1022 &:= (1+1)^{11-1} - 1 - 1 \\
&:= (2^{2 \times (2+2)+2}) - 2 \\
&:= 3 + (3 \times (333 + 3) + 33/3) \\
&:= 4 \times 4^4 - (4+4)/4 \\
&:= (5 - 5/5)^5 - (5+5)/5 \\
&:= 6 + ((6 \times 6 \times (6 \times 6 - 6)) - ((6+6)/6)^6) \\
&:= 7 \times 7 \times (7 + 7 + 7) - 7 \\
&:= 8 \times 8 \times (8 + 8) - (8+8)/8 \\
&:= 9 + ((9999+9)/9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1023 &:= (1+1)^{11-1} - 1 \\
&:= (2^{22/2} - 2)/2 \\
&:= 3^3 + (3 \times 333 - 3) \\
&:= 4 \times 4^4 - 4/4 \\
&:= (5 - 5/5)^5 - 5/5 \\
&:= (((6+6)/6)^{(66-6)/6} - 6/6) \\
&:= 7/7 + (7 \times 7 \times (7 + 7 + 7) - 7) \\
&:= 8 \times 8 \times (8 + 8) - 8/8 \\
&:= (((9+9)/9)^{9/9+9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1024 &:= (1+1)^{11-1} \\
&:= 2^{2 \times (2+2)+2} \\
&:= (3 - 3/3)^{3 \times 3 + 3/3} \\
&:= 4 \times 4^4 \\
&:= (5 - 5/5)^5 \\
&:= ((6+6)/6)^{(66-6)/6} \\
&:= (7/7 + 7) \times ((7+7)/7)^7 \\
&:= 8 \times 8 \times (8 + 8) \\
&:= ((9+9)/9)^{9/9+9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1025 &:= 1 + (1+1)^{11-1} \\
&:= (2^{22/2} + 2)/2 \\
&:= 3^3 + (3 \times 333 - 3/3) \\
&:= 4/4 + 4 \times 4^4 \\
&:= 5/5 + (5 - 5/5)^5 \\
&:= 6/6 + (((6+6)/6)^{(66-6)/6}) \\
&:= 7 + (7 \times 7 \times (7 + 7 + 7) - (77/7)) \\
&:= 8/8 + 8 \times 8 \times (8 + 8) \\
&:= 9 + (((999 - 9)/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1026 &:= 1 + 1 + (1+1)^{11-1} \\
&:= 2 + (2^{2 \times (2+2)+2}) \\
&:= 3 \times (333 + 3 \times 3) \\
&:= (4+4)/4 + 4 \times 4^4 \\
&:= (5+5)/5 + (5 - 5/5)^5 \\
&:= 666 + 6 \times (66 - 6) \\
&:= ((7+7+7)/7) \times (7 \times 7 \times 7 - 7/7) \\
&:= (8+8)/8 + 8 \times 8 \times (8 + 8) \\
&:= 9 + (999 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1027 &:= 1 + 1 + 1 + (1+1)^{11-1} \\
&:= 2 + ((2^{22/2} + 2)/2) \\
&:= 3^3 + ((3 \times 3 + 3/3)^3) \\
&:= 4 + (4 \times 4^4 - 4/4) \\
&:= 5 + ((5 - 5/5)^5 - ((5+5)/5)) \\
&:= 6/6 + (6 \times (66 - 6) + 666) \\
&:= 7 \times 7 \times (7 + 7 + 7) - (7+7)/7 \\
&:= 88/8 + (8 \times 8 \times (8 + 8) - 8) \\
&:= 9 + (((999+9)/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1028 &:= 1 + (1+1+1 + (1+1)^{11-1}) \\
&:= 2 + ((2^{2 \times (2+2)+2}) + 2) \\
&:= (3 \times (((3/3 + 3) + 3)^3)) - 3/3 \\
&:= 4 + 4 \times 4^4 \\
&:= 5 + ((5 - 5/5)^5 - 5/5) \\
&:= 666 + (6 \times (66 - 6) + ((6+6)/6)) \\
&:= 7 \times 7 \times (7 + 7 + 7) - 7/7 \\
&:= 8 \times 8 \times (8 + 8) + (8/((8+8)/8)) \\
&:= 9 + ((99/9 + 999) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1029 &:= (11 + (1+1)^{11} - 1)/(1+1) \\
&:= 2 + (((2^{22/2} + 2)/2) + 2) \\
&:= 3 \times (((3/3 + 3) + 3)^3) \\
&:= 4 + (4 \times 4^4 + 4/4) \\
&:= 5 + (5 - 5/5)^5 \\
&:= 666 + 66 \times 66/(6+6) \\
&:= 7 \times 7 \times (7 + 7 + 7) \\
&:= 8 + ((8 \times 8 \times (8 + 8) - (88/8)) + 8) \\
&:= ((9999 - 9)/9) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1030 &:= (1 + 11 + (1+1)^{11})/(1+1) \\
&:= 2 + (((2^{2 \times (2+2)+2}) + 2) + 2) \\
&:= 3 + (((3 \times 3 + 3/3)^3) + 3^3) \\
&:= 4 + ((4+4)/4 + 4 \times 4^4) \\
&:= 5 + ((5 - 5/5)^5 + 5/5) \\
&:= 6 + (((6+6)/6)^{(66-6)/6}) \\
&:= 7/7 + 7 \times 7 \times (7 + 7 + 7) \\
&:= 8 + (8 \times 8 \times (8 + 8) - ((8+8)/8)) \\
&:= 9999/9 - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1031 &:= 1 + (1 + 11 + (1+1)^{11})/(1+1) \\
&:= 2 + (((2^{22/2} + 2)/2) + 2) + 2) \\
&:= 33 + (3 \times 333 - 3/3) \\
&:= 4 + ((4 \times 4^4 - 4/4) + 4) \\
&:= 5 + ((5 - 5/5)^5 + ((5+5)/5)) \\
&:= 6 + (((6+6)/6)^{(66-6)/6} + 6/6) \\
&:= 7 + ((7/7 + 7) \times ((7+7)/7)^7) \\
&:= 8 + (8 \times 8 \times (8 + 8) - 8/8) \\
&:= (9999 + 9)/9 - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1032 &:= 11 + (1+1)^{11-1} - 1 - 1 - 1 \\
&:= 2 \times (2 \times (2^{2 \times (2+2)+2}) + 2) \\
&:= 33 + 3 \times 333 \\
&:= 4 + (4 \times 4^4 + 4) \\
&:= 5 + (5 - 5/5)^5 - (5+5)/5 + 5 \\
&:= 6 + (6 \times (66 - 6) + 666) \\
&:= (7/7 + 7) \times (((7+7)/7)^7 + 7/7) \\
&:= 8 + 8 \times 8 \times (8 + 8) \\
&:= 9 + (((9+9)/9)^{9/9+9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1033 &:= 11 + (1 + 1)^{11-1} - 1 - 1 \\
&:= ((2^{22/2} + 22)/2) - 2 \\
&:= 33 + ((3 \times 3 + 3/3)^3) \\
&:= 4 + ((4 \times 4^4 + 4/4) + 4) \\
&:= 5 + (((5 - 5/5)^5 - 5/5) + 5) \\
&:= (6666/6) - (66 + 6 + 6) \\
&:= (7777 - 7)/7 - 77 \\
&:= 8 + (8 \times 8 \times (8 + 8) + 8/8) \\
&:= 9 + (((9 + 9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1034 &:= 11 + (1 + 1)^{11-1} - 1 \\
&:= 2 + (2 \times (2 \times (2^{2 \times (2+2)} + 2))) \\
&:= ((33/3)^3) - 3 \times 3 \times 33 \\
&:= 4 \times 4^4 + (44 - 4)/4 \\
&:= 5 + ((5 - 5/5)^5 + 5) \\
&:= ((6666 - 66)/6) - 66 \\
&:= 7777/7 - 77 \\
&:= 8 + (8 \times 8 \times (8 + 8) + ((8 + 8)/8)) \\
&:= 9 + (((999 - 9/9) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1035 &:= 11 + (1 + 1)^{11-1} \\
&:= (2^{22/2} + 22)/2 \\
&:= 3 + (3 \times 333 + 33) \\
&:= 44/4 + 4 \times 4^4 \\
&:= 55/5 + (5 - 5/5)^5 \\
&:= 6 + (66 \times 66/(6 + 6) + 666) \\
&:= 7 + (7 \times 7 \times (7 + 7 + 7) - 7/7) \\
&:= 88/8 + 8 \times 8 \times (8 + 8) \\
&:= 9 + ((999 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1036 &:= 1 + 11 + (1 + 1)^{11-1} \\
&:= 2 \times ((2 \times (2^{2 \times (2+2)} + 2)) + 2) \\
&:= 3 + (((3 \times 3 + 3/3)^3) + 33) \\
&:= 4 \times (4^4 + 4) - 4 \\
&:= (5 - 5/5)^5 + (55 + 5)/5 \\
&:= 6 + (((6 + 6)/6)^{(66-6)/6} + 6) \\
&:= 7 + 7 \times 7 \times (7 + 7 + 7) \\
&:= ((88 + 8)/8) + 8 \times 8 \times (8 + 8) \\
&:= 9 + (((999 + 9/9) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1037 &:= 1 + 1 + 11 + (1 + 1)^{11-1} \\
&:= 2 + ((2^{22/2} + 22)/2) \\
&:= 3 + (((33/3)^3) - 3 \times 3 \times 33) \\
&:= 4/4 + (4 \times (4^4 + 4) - 4) \\
&:= (5 - 5/5)^5 + (55 + 5 + 5)/5 \\
&:= (66/6 + 6) \times ((66 - 6) + 6/6) \\
&:= 7 + (7 \times 7 \times (7 + 7 + 7) + 7/7) \\
&:= 8 \times 8 \times (8 + 8) + (88 + 8 + 8)/8 \\
&:= 9 + (((99/9 + 999) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1038 &:= 1 + 1 + 1 + 11 + (1 + 1)^{11-1} \\
&:= 2 + (2 \times ((2 \times (2^{2 \times (2+2)} + 2)) + 2)) \\
&:= 3 \times (((3/3 + 3) + 3)^3) + 3 \\
&:= 4 \times (4^4 + 4) - (4 + 4)/4 \\
&:= 5 + (((5 - 5/5)^5 - 5/5) + 5) \\
&:= (6 \times (6 \times (6 \times 6 - 6) - 6)) - 6 \\
&:= 7 + (((7/7 + 7) \times ((7 + 7)/7)^7) + 7) \\
&:= 8 + ((8 \times 8 \times (8 + 8) - ((8 + 8)/8)) + 8) \\
&:= 9 + (((9999 - 9)/9) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1039 &:= 1 + 1 + 1 + 1 + 11 + (1 + 1)^{11-1} \\
&:= 2 + (((2^{22/2} + 22)/2) + 2) \\
&:= (3333 - (3 + 3)^3)/3 \\
&:= 4 \times (4^4 + 4) - 4/4 \\
&:= 5 + (((5 - 5/5)^5 + 5) + 5) \\
&:= (6666/6) - (66 + 6) \\
&:= ((77 - 7)/7) + 7 \times 7 \times (7 + 7 + 7) \\
&:= 8 + ((8 \times 8 \times (8 + 8) - 8/8) + 8) \\
&:= 9 + (9999/9 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1040 &:= 11 + ((11 + ((1 + 1)^{11} - 1))/(1 + 1)) \\
&:= 2 \times ((2 + 2 + 2)^2 + 22^2) \\
&:= 33 + (3 \times (333 + 3) - 3/3) \\
&:= 4 \times (4^4 + 4) \\
&:= 5 \times ((5^5 - 5)/(5 + 5 + 5)) \\
&:= (6/6 - 66) \times (((6 - 66)/6) - 6) \\
&:= 77/7 + 7 \times 7 \times (7 + 7 + 7) \\
&:= 8 + (8 \times 8 \times (8 + 8) + 8) \\
&:= 9 + ((9999 + 9)/9 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1041 &:= 11 + ((1 + (11 + (1 + 1)^{11}))/ (1 + 1)) \\
&:= 2^{2+2} + ((2^{22/2} + 2)/2) \\
&:= 33 + (3 \times (333 + 3)) \\
&:= 4/4 + 4 \times (4^4 + 4) \\
&:= 5 + ((5 - 5/5)^5 + ((55 + 5)/5)) \\
&:= (6666/6) - (((6 + 6)/6)^6 + 6) \\
&:= 7 + (7777/7 - 77) \\
&:= 8 + ((8 \times 8 \times (8 + 8) + 8/8) + 8) \\
&:= (9 \times (99 + 9 + 9)) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1042 &:= (1 + 1)^{11-1} + (1 + 1) \times (11 - 1 - 1) \\
&:= 2 + ((2^{2 \times (2+2)+2}) + 2^{2+2}) \\
&:= 3 + ((3333 - (3 + 3)^3)/3) \\
&:= (4 + 4)/4 + 4 \times (4^4 + 4) \\
&:= (5^5 + 5/5)/(5 - (5 + 5)/5) \\
&:= (6 \times (6 \times (6 \times 6 - 6) - 6)) - (6 + 6)/6 \\
&:= 7 + ((7 \times 7 \times (7 + 7 + 7) - 7/7) + 7) \\
&:= 8 + ((8 \times 8 \times (8 + 8) + ((8 + 8)/8)) + 8) \\
&:= 9 + (((9 + 9)/9)^{9/9+9}) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1043 &:= (1 + 1) \times (11 - 1) + (1 + 1)^{11-1} - 1 \\
&:= 22 + (((2^{22/2} - 2)/2) - 2) \\
&:= 33 + (3 \times 333 + 33/3) \\
&:= 4 + (4 \times (4^4 + 4) - 4/4) \\
&:= 5 \times 5 + ((5 - 5/5)^5 - (5/5 + 5)) \\
&:= (6 \times (6 \times (6 \times 6 - 6) - 6)) - 6/6 \\
&:= 7 + (7 \times 7 \times (7 + 7 + 7) + 7) \\
&:= 8 + (8 \times 8 \times (8 + 8) + (88/8)) \\
&:= (9 \times (99 + 9 + 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1044 &:= ((1 + 1) \times (11 - 1)) + (1 + 1)^{11-1} \\
&:= 22 + ((2^{2 \times (2+2)+2}) - 2) \\
&:= 3 + (3 \times (333 + 3) + 33) \\
&:= 4 + 4 \times (4^4 + 4) \\
&:= 5 \times 5 + ((5 - 5/5)^5 - 5) \\
&:= 6 \times (6 \times (6 \times 6 - 6) - 6) \\
&:= 7 + ((7 \times 7 \times (7 + 7 + 7) + 7/7) + 7) \\
&:= ((88 + 8)/8) \times (88 - 8/8) \\
&:= (9 \times (99 + 9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1045 &:= 11 + (11 + ((1 + 1)^{11-1} - 1)) \\
&:= 22 + ((2^{22/2} - 2)/2) \\
&:= 33/3 \times (3 \times 33 - (3/3 + 3)) \\
&:= 4 + (4 \times (4^4 + 4) + 4/4) \\
&:= 55 \times (5 \times 5 - (5/5 + 5)) \\
&:= (6666/6) - 66 \\
&:= 77/7 \times ((77/7 + 77) + 7) \\
&:= 88/8 \times (88 - 8/8 + 8) \\
&:= 9/9 + ((9 \times (99 + 9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1046 &:= 11 + 11 + (1 + 1)^{11-1} \\
&:= 22 + (2^{2 \times (2+2)+2}) \\
&:= 3 + ((3 \times 333 + 33/3) + 33) \\
&:= 4 + (4 \times (4^4 + 4) + (4 + 4)/4) \\
&:= 5/5 + (55 \times (5 \times 5 - (5/5 + 5))) \\
&:= (6666 + 6)/6 - 66 \\
&:= 7 + (7 \times 7 \times (7 + 7 + 7) + ((77 - 7)/7)) \\
&:= (8888 - 8)/8 - 8 \times 8 \\
&:= (9 + 9)/9 + ((9 \times (99 + 9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1047 &:= 1 + (11 + 11 + (1 + 1)^{11-1}) \\
&:= 22 + ((2^{22/2} + 2)/2) \\
&:= 3 \times (((3/3 + 3) + 3)^3) + 3 + 3 \\
&:= (4444 - 4^4)/4 \\
&:= 5 + (5^5 + 5/5)/(5 - (5 + 5)/5) \\
&:= (6666/6) - ((6 + 6)/6)^6 \\
&:= 7 + (7 \times 7 \times (7 + 7 + 7) + (77/7)) \\
&:= 8888/8 - 8 \times 8 \\
&:= 9 + (((9999 - 9)/9) - 9 \times 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1048 &:= (1+1)^{11} - (11-1)^{1+1+1} \\
&:= 2 + ((2^{2 \times (2+2)+2}) + 22) \\
&:= 3 + (33/3 \times (3 \times 33 - (3/3+3))) \\
&:= 4 + (4 \times (4^4 + 4) + 4) \\
&:= 5 \times 5 + ((5-5/5)^5 - 5/5) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 - 6) - 6)) - ((6+6)/6)) \\
&:= 7 + ((7777/7 - 77) + 7) \\
&:= 8 + ((8 \times 8 \times (8+8) + 8) + 8) \\
&:= 9 + ((9999/9 - 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1049 &:= 1 + ((1+1)^{11} - (11-1)^{1+1+1}) \\
&:= 2 + (((2^{22/2} + 2)/2) + 22) \\
&:= 3^3 \times (33+3+3) - (3/3+3) \\
&:= 4 + ((4 \times (4^4 + 4) + 4/4) + 4) \\
&:= 5 \times 5 + (5 - 5/5)^5 \\
&:= 6 + ((6 \times (6 \times (6 \times 6 - 6) - 6)) - 6/6) \\
&:= ((7+7) \times (77 - (7+7)/7)) - 7/7 \\
&:= ((88 \times (88+8) + 8)/8) - 8 \\
&:= 999 + ((9 \times 99 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1050 &:= (11-1) \times (111 - ((1+1) \times (1+1+1))) \\
&:= 2 \times (((22+2/2)^2) - (2+2)) \\
&:= 3^3 \times (33+3+3) - 3 \\
&:= 4 \times (4^4 + 4) + (44 - 4)/4 \\
&:= (5+5) \times (5 \times (5 \times 5 - 5) + 5) \\
&:= 6 + (6 \times (6 \times (6 \times 6 - 6) - 6)) \\
&:= (7+7) \times (77 - (7+7)/7) \\
&:= (((88 \times (88+8) + 8) + 8)/8) - 8 \\
&:= (9 \times (99+9+9)) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1051 &:= 1111 - (11^{1+1} - 1)/(1+1) \\
&:= (2 \times ((22 \times (22+2)) - 2)) - 2/2 \\
&:= 3^3 + ((3-3/3)^{3 \times 3+3/3}) \\
&:= 44/4 + 4 \times (4^4 + 4) \\
&:= 5555/5 - (55+5) \\
&:= 6 + ((6666/6) - 66) \\
&:= 7/7 + ((7+7) \times (77 - (7+7)/7)) \\
&:= 8 + ((8 \times 8 \times (8+8) + (88/8)) + 8) \\
&:= (9 \times (99+9+9)) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1052 &:= 11 \times 111 - (1+1+11)^{1+1} \\
&:= 2 \times ((22 \times (22+2)) - 2) \\
&:= 3^3 \times (33+3+3) - 3/3 \\
&:= 44 + 4 \times (4^4 - 4) \\
&:= (5555+5)/5 - (55+5) \\
&:= 6 + ((6666+6)/6 - 66) \\
&:= 7 + (77/7 \times ((77/7+77) + 7)) \\
&:= 8 + (((88+8)/8) \times (88 - 8/8)) \\
&:= (9 \times (99+9+9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1053 &:= (1+1+11) \times (11-1-1)^{1+1} \\
&:= 2/2 + (2 \times ((22 \times (22+2)) - 2)) \\
&:= 3^3 \times (33+3+3) \\
&:= 44 + (4 \times (4^4 - 4) + 4/4) \\
&:= 5 + (((5-5/5)^5 - 5/5) + 5 \times 5) \\
&:= 6 + ((6666/6) - ((6+6)/6)^6) \\
&:= 77 \times (7+7) - (77/7+7+7) \\
&:= 8 + (88/8 \times (88 - 8/8+8)) \\
&:= 9 \times (99+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1054 &:= 1 + ((1+1+11) \times (11-1-1)^{1+1}) \\
&:= 2 \times (((22+2/2)^2) - 2) \\
&:= 3/3 + 3^3 \times (33+3+3) \\
&:= 4 \times (4^4 + 4 + 4) - (4+4)/4 \\
&:= 5 + ((5-5/5)^5 + 5 \times 5) \\
&:= 6 \times 6 + (((6+6)/6)^{(66-6)/6} - 6) \\
&:= (7777 - 7)/7 - (7 \times 7 + 7) \\
&:= (88 \times (88+8) - (8+8))/8 \\
&:= 9/9 + (9 \times (99+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1055 &:= 1111 - (1+111)/(1+1) \\
&:= (2 \times (22 \times (22+2))) - 2/2 \\
&:= 33 \times 33 - 3/3 - 33 \\
&:= 4 \times (4^4 + 4 + 4) - 4/4 \\
&:= 5 + ((5+5) \times (5 \times (5 \times 5 - 5) + 5)) \\
&:= 666 + (6 \times 66 - (6/6+6)) \\
&:= 7777/7 - (7 \times 7 + 7) \\
&:= (88 \times (88+8) - 8)/8 \\
&:= (9+9)/9 + (9 \times (99+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1056 &:= (1+1) \times ((1+11+11)^{1+1} - 1) \\
&:= 2 \times (22 \times (22+2)) \\
&:= 33 \times (33 - 3/3) \\
&:= 4 \times (4^4 + 4 + 4) \\
&:= 5555/5 - 55 \\
&:= 66 \times (((66-6)/6) + 6) \\
&:= 77 + ((7+7) \times (77 - 7) - 7/7) \\
&:= 88 \times (88+8)/8 \\
&:= 99/9 \times (99 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1057 &:= (11 \times (1+1+1)) + (1+1)^{11-1} \\
&:= (((2 \times 22) + 2)^2) - 2)/2 \\
&:= 3/3 + (33 \times (33 - 3/3)) \\
&:= 4/4 + 4 \times (4^4 + 4 + 4) \\
&:= (5555+5)/5 - 55 \\
&:= 6 + (((6666/6) - 66) + 6) \\
&:= 77 + (7+7) \times (77 - 7) \\
&:= (88 \times (88+8) + 8)/8 \\
&:= 9 + (((9999/9 - 9 \times 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1058 &:= (1+1) \times (1+11+11)^{1+1} \\
&:= 2 \times ((22+2/2)^2) \\
&:= 3 + (33 \times 33 - (3/3+33)) \\
&:= (4+4)/4 + 4 \times (4^4 + 4 + 4) \\
&:= (5555+5+5)/5 - 55 \\
&:= 6 + (((6666+6)/6 - 66) + 6) \\
&:= 7/7 + ((7+7) \times (77 - 7) + 77) \\
&:= ((88 \times (88+8) + 8) + 8)/8 \\
&:= ((99/9) \times (99 - ((9+9)/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1059 &:= 1 + ((1+1) \times (1+11+11)^{1+1}) \\
&:= (((2 \times 22) + 2)^2) + 2)/2 \\
&:= 3 + (33 \times (33 - 3/3)) \\
&:= 4 + (4 \times (4^4 + 4 + 4) - 4/4) \\
&:= 5 + (((5-5/5)^5 + 5 \times 5) + 5) \\
&:= 666 + (6 \times 66 - (6 \times 6/(6+6))) \\
&:= 77 \times (7+7) - ((77+7)/7+7) \\
&:= (((88 \times (88+8) + 8) + 8) + 8)/8 \\
&:= 9 + ((9 \times (99+9+9)) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1060 &:= (1+1) \times (1 + (1+11+11)^{1+1}) \\
&:= 2 + (2 \times ((22+2/2)^2)) \\
&:= 3 + ((33 \times (33 - 3/3)) + 3/3) \\
&:= 4 + 4 \times (4^4 + 4 + 4) \\
&:= (5+5) \times (555/5 - 5) \\
&:= 6 \times 6 + (((6+6)/6)^{(66-6)/6}) \\
&:= 77 \times (7+7) - (77/7+7) \\
&:= ((88 \times (8+8+8)) + 8)/((8+8)/8) \\
&:= 9 + ((9 \times (99+9+9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1061 &:= 1 + ((1+1) \times (1 + (1+11+11)^{1+1})) \\
&:= 2 + (((2 \times 22) + 2)^2) + 2)/2 \\
&:= 3^{3+3} + (333 - 3/3) \\
&:= 4 + (4 \times (4^4 + 4 + 4) + 4/4) \\
&:= 5 + (5555/5 - 55) \\
&:= 666 + (6 \times 66 - 6/6) \\
&:= (7777 - 7)/7 - 7 \times 7 \\
&:= 8 + ((88/8 \times (88 - 8/8+8)) + 8) \\
&:= 9 + ((9 \times (99+9+9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1062 &:= (1+1) \times (1 + (1 + (1+11+11)^{1+1})) \\
&:= 2 \times (((22+2/2)^2) + 2) \\
&:= 3^{3+3} + 333 \\
&:= 4 + (4 \times (4^4 + 4 + 4) + (4+4)/4) \\
&:= 5 + ((5555+5)/5 - 55) \\
&:= 666 + 6 \times 66 \\
&:= 7777/7 - 7 \times 7 \\
&:= 8 + ((88 \times (88+8) - (8+8))/8) \\
&:= 9 + (9 \times (99+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1063 &:= 1111 - ((1+1) \times ((1+1) \times (1+11))) \\
&:= 2 + (((((2 \times 22) + 2)^2) + 2)/2) + 2 \\
&:= 3/3 + (3^{3+3} + 333) \\
&:= 44 + (4 \times 4^4 - (4/4 + 4)) \\
&:= 5 \times 5 \times 55 + ((5 - 5^5)/(5+5)) \\
&:= 6/6 + (666 + 6 \times 66) \\
&:= 77 \times (7+7) - (7/7 + 7+7) \\
&:= 8 + ((88 \times (88+8) - 8)/8) \\
&:= 9 + ((9 \times (99+9+9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1064 &:= (1+1)^{1+1+1} \times (1 + (11 \times (1+11))) \\
&:= 2 + (2 \times (((22+2/2)^2) + 2)) \\
&:= 3 + ((3^{3+3} - 3/3) + 333) \\
&:= 44 + (4 \times 4^4 - 4) \\
&:= 5 + (((5 - 5/5)^5 + 5 \times 5) + 5) + 5 \\
&:= 666 + (((6+6)/6) + 6 \times 66) \\
&:= (7+7) \times (77 - 7/7) \\
&:= 8 + (88 \times ((88+8)/8)) \\
&:= 99/9 + (9 \times (99+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1065 &:= 1111 - ((1+1) \times (1 + (11+11))) \\
&:= (2222/2) - ((2 \times 22) + 2) \\
&:= 3 + (3^{3+3} + 333) \\
&:= 44 + ((4 \times 4^4 - 4) + 4/4) \\
&:= 5 + ((5+5) \times (555/5 - 5)) \\
&:= 66 + ((6 \times 666)/(6 - ((6+6)/6))) \\
&:= 7/7 + ((7+7) \times (77 - 7/7)) \\
&:= 8 + ((88 \times (88+8) + 8)/8) \\
&:= ((99+9)/9) + (9 \times (99+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1066 &:= (1+1+11) \times (1 + (11-1-1)^{1+1}) \\
&:= 2 \times (((((22+2/2)^2) + 2) + 2)) \\
&:= 3 + ((3^{3+3} + 333) + 3/3) \\
&:= 44 + (4 \times 4^4 - (4+4)/4) \\
&:= 5 + (5555/5 - 55 + 5) \\
&:= 6 + (((6+6)/6)^{(66-6)/6}) + 6 \times 6 \\
&:= 77 \times (7+7) - (77+7)/7 \\
&:= 8 + (((88 \times (88+8) + 8) + 8)/8) \\
&:= (9/9 + 9 \times 9) \times ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1067 &:= 11 \times (111 - (1 + (1+1+11))) \\
&:= (2222/2) - (2 \times 22) \\
&:= 33/3 + (33 \times (33 - 3/3)) \\
&:= 44 + (4 \times 4^4 - 4/4) \\
&:= ((5555 + 55)/5) - 55 \\
&:= 6 + ((6 \times 66 - 6/6) + 666) \\
&:= 77 \times (7+7) - 77/7 \\
&:= 88/8 \times ((8/8 + 88) + 8) \\
&:= 99/9 \times (99 - (9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1068 &:= (1+11) \times (111 - 11 - 11) \\
&:= 2 \times ((2^{(2/2+2)^2}) + 22) \\
&:= 3 + ((3^{3+3} + 333) + 3) \\
&:= 44 + 4 \times 4^4 \\
&:= 55 + ((5 - 5/5)^5 - 55/5) \\
&:= 6 + (666 + 6 \times 66) \\
&:= ((7 - 77)/7) + 77 \times (7+7) \\
&:= (8/8 + 88) \times ((88+8)/8) \\
&:= 9 \times 9 + (999 - ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1069 &:= 1 + ((1+11) \times (111 - 11 - 11)) \\
&:= (((((2 \times 22) + 2)^2) + 22)/2) \\
&:= 3^{3+3} + (3/3 + 3 + 3)^3 - 3 \\
&:= 44 + (4 \times 4^4 + 4/4) \\
&:= 55 + ((5 - 5/5)^5 - (5+5)) \\
&:= (6 \times 6 \times (6 \times 6 - 6)) - 66/6 \\
&:= 7 + (7777/7 - 7 \times 7) \\
&:= (8 \times (8 \times (8+8) + 8)) - (88/8 + 8) \\
&:= 9 \times 9 + (999 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1070 &:= (11-1) \times (111 - (1+1+1+1)) \\
&:= 2 + ((2^{2 \times (2+2)+2}) + 2 \times 22) \\
&:= 3 \times 333 + (((3+3)^3 - 3)/3) \\
&:= 44 + ((4+4)/4 + 4 \times 4^4) \\
&:= (5+5) \times ((555+5)/5 - 5) \\
&:= (6 - 6/6) \times (6 \times 6 \times 6 - (6+6)/6) \\
&:= 77 \times (7+7) - (7/7 + 7) \\
&:= 8 + (((88 \times (88+8) - (8+8))/8) + 8) \\
&:= 99 + ((9 \times (99+9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1071 &:= (11-1-1) \times (11^{1+1} - (1+1)) \\
&:= 2 + (((((2 \times 22) + 2)^2) + 22)/2) \\
&:= 3 \times ((333 - 3) + 3^3) \\
&:= 4 + ((4 \times 4^4 - 4/4) + 44) \\
&:= 5 + (5555/5 - 55 + 5 + 5) \\
&:= (6/6 + 6) \times (666/6 + 6 \times 6 + 6) \\
&:= 77 \times (7+7) - 7 \\
&:= (8/8 + 8) \times (888/8 + 8) \\
&:= 99 + (9 \times (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1072 &:= 1 + ((11-1-1) \times (11^{1+1} - (1+1))) \\
&:= 2 \times (((2^{(2/2+2)^2}) + 22) + 2) \\
&:= 3^{3+3} + (((3/3 + 3) + 3)^3) \\
&:= 4 + (4 \times 4^4 + 44) \\
&:= 5^5 - (((5+5)/5)^{55/5} + 5) \\
&:= (66 + 6/6) \times (((66-6)/6) + 6) \\
&:= 7/7 + (77 \times (7+7) - 7) \\
&:= (8 \times (8 \times (8+8) + 8)) - 8 - 8 \\
&:= 9/9 + ((999 - 9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1073 &:= 1111 - (1 + (111/(1+1+1))) \\
&:= ((22/2 + 22)^2) - 2^{2+2} \\
&:= 3^{3+3} + (333 + 33/3) \\
&:= 4 + ((4 \times 4^4 + 4/4) + 44) \\
&:= 55 + ((5 - 5/5)^5 - (5/5 + 5)) \\
&:= (6 \times 6 \times (6 \times 6 - 6)) - 6/6 - 6 \\
&:= ((7+7)/7) + (77 \times (7+7) - 7) \\
&:= 8 + (((88 \times (88+8) + 8)/8) + 8) \\
&:= 9 + ((9 \times (99+9+9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1074 &:= 1111 - (111/(1+1+1)) \\
&:= (2 + 2 + 2)^{2+2} - 222 \\
&:= 3 + (3 \times ((333 - 3) + 3^3)) \\
&:= 4 + (((4+4)/4 + 4 \times 4^4) + 44) \\
&:= 55 + ((5 - 5/5)^5 - 5) \\
&:= (6 \times 6 \times (6 \times 6 - 6)) - 6 \\
&:= 7 + (77 \times (7+7) - (77/7)) \\
&:= 8 + (((88 \times (88+8) + 8) + 8)/8) + 8 \\
&:= (9 \times (99+9)) + (999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1075 &:= 1111 - ((1+1+1) \times (1+11)) \\
&:= 222/2 + (2 \times (22^2 - 2)) \\
&:= 33 \times 33 - (33/3 + 3) \\
&:= ((44/4)^{4-4/4}) - 4^4 \\
&:= 5 \times (5 \times 55 - (55+5)) \\
&:= (6666/6) - 6 \times 6 \\
&:= 77 \times (7+7) - (7+7+7)/7 \\
&:= 8 + (88/8 \times ((8/8 + 88) + 8)) \\
&:= 9999/9 - ((9+9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1076 &:= 1 + (1111 - ((1+1+1) \times (1+11))) \\
&:= 2 + ((2+2+2)^{2+2} - 222) \\
&:= ((3-33)/3) + (33 \times 33 - 3) \\
&:= 4 + ((4 \times 4^4 + 44) + 4) \\
&:= 5/5 + (5 \times (5 \times 55 - (55+5))) \\
&:= (6666 + 6)/6 - 6 \times 6 \\
&:= 77 \times (7+7) - (7+7)/7 \\
&:= 8 + ((8/8 + 88) \times ((88+8)/8)) \\
&:= 9 + ((99/9) \times (99 - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1077 &:= 1111 - (1 + 11 \times (1+1+1)) \\
&:= 222/2 + ((2 \times 22^2) - 2) \\
&:= 33 \times 33 - (3 \times 3 + 3) \\
&:= 4 \times 4^4 + ((4^4 - 44)/4) \\
&:= 5^5 - (((5+5)/5)^{55/5}) \\
&:= (6 \times 6 \times (6 \times 6 - 6)) - 6 \times 6/(6+6) \\
&:= 77 \times (7+7) - 7/7 \\
&:= (8 \times (8 \times (8+8) + 8)) - 88/8 \\
&:= ((99 \times 99) - (99+9))/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1078 &:= 11 \times (111 - 1 - 1 - 11) \\
&:= 22 + (2 \times (22 \times (22 + 2))) \\
&:= 33 \times 33 - 33/3 \\
&:= 44 + ((44 - 4)/4 + 4 \times 4^4) \\
&:= 55 + ((5 - 5/5)^5 - 5/5) \\
&:= (6 \times 6 \times (6 \times 6 - 6)) - (6 + 6)/6 \\
&:= 77 \times (7 + 7) \\
&:= 88/8 \times (((8 + 8)/8 + 88) + 8) \\
&:= 99/9 \times (99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1079 &:= 1 + (11 \times (111 - 1 - 1 - 11)) \\
&:= 222/2 + (2 \times 22^2) \\
&:= ((3 - 33)/3) + 33 \times 33 \\
&:= 44 + (44/4 + 4 \times 4^4) \\
&:= 55 + (5 - 5/5)^5 \\
&:= (6 \times 6 \times (6 \times 6 - 6)) - 6/6 \\
&:= 7/7 + 77 \times (7 + 7) \\
&:= (8 \times (8 \times (8 + 8) + 8)) - (8/8 + 8) \\
&:= 9 \times 9 + (999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1080 &:= (11 - 1) \times (111 - 1 - 1 - 1) \\
&:= 22 + (2 \times ((22 + 2/2)^2)) \\
&:= 3 \times (333 + 3^3) \\
&:= 44 + (4 \times (4^4 + 4) - 4) \\
&:= (5 - 5/5) \times (5 \times 55 - 5) \\
&:= 6 \times 6 \times (6 \times 6 - 6) \\
&:= ((7 + 7)/7) + 77 \times (7 + 7) \\
&:= (8 \times (8 \times (8 + 8) + 8)) - 8 \\
&:= 9 \times 9 + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1081 &:= 1 + ((11 - 1) \times (111 - 1 - 1 - 1)) \\
&:= 2 + (222/2 + (2 \times 22^2)) \\
&:= 3 + (33 \times 33 - 33/3) \\
&:= 4 + (((4^4 - 44)/4) + 4 \times 4^4) \\
&:= 5555/5 - (5 \times 5 + 5) \\
&:= 6/6 + (6 \times 6 \times (6 \times 6 - 6)) \\
&:= 77 \times (7 + 7) + (7 + 7 + 7)/7 \\
&:= 8/8 + ((8 \times (8 \times (8 + 8) + 8)) - 8) \\
&:= 9/9 + (999 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1082 &:= 1 + (1 + ((11 - 1) \times (111 - 1 - 1 - 1))) \\
&:= 2 + ((2 \times ((22 + 2/2)^2)) + 22) \\
&:= 33 \times 33 - ((3/3 + 3) + 3) \\
&:= 44 + (4 \times (4^4 + 4) - (4 + 4)/4) \\
&:= 5 + (5^5 - (((5 + 5)/5)^{55/5})) \\
&:= (6 + 6)/6 + (6 \times 6 \times (6 \times 6 - 6)) \\
&:= 77/7 + (77 \times (7 + 7) - 7) \\
&:= (8 + 8)/8 + ((8 \times (8 \times (8 + 8) + 8)) - 8) \\
&:= 9 \times 9 + (((9 + 9)/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1083 &:= (1 + 1 + 1) \times ((1 + 1) \times (11 - 1) - 1)^{1+1} \\
&:= (2/2 + 2) \times ((22 - (2/2 + 2))^2) \\
&:= 33 \times 33 - (3 + 3) \\
&:= 44 + (4 \times (4^4 + 4) - 4/4) \\
&:= 5 + (((5 - 5/5)^5 - 5/5) + 55) \\
&:= (6 \times 6/(6 + 6)) + (6 \times 6 \times (6 \times 6 - 6)) \\
&:= 7 + (77 \times (7 + 7) - ((7 + 7)/7)) \\
&:= (88/8 + 8) \times ((8/8 - 8) + 8 \times 8) \\
&:= (9 \times (99 + 9)) + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1084 &:= 1111 - ((1 + 1 + 1)^{1+1+1}) \\
&:= 22 + (2 \times (((22 + 2/2)^2) + 2)) \\
&:= 3333/3 - 3^3 \\
&:= 44 + 4 \times (4^4 + 4) \\
&:= 5 + ((5 - 5/5)^5 + 55) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 - 6)) - ((6 + 6)/6)) \\
&:= 7 + (77 \times (7 + 7) - 7/7) \\
&:= (8 \times (8 \times (8 + 8) + 8)) - (8/((8 + 8)/8)) \\
&:= 9999/9 - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1085 &:= 1111 - ((1 + 1) \times (1 + 1 + 11)) \\
&:= ((22/2 + 22)^2) - 2 - 2 \\
&:= 33 \times 33 - (3/3 + 3) \\
&:= 44 + (4 \times (4^4 + 4) + 4/4) \\
&:= 5 + ((5 - 5/5) \times (5 \times 55 - 5)) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 - 6)) - 6/6) \\
&:= 7 + 77 \times (7 + 7) \\
&:= 8 + ((8 \times (8 \times (8 + 8) + 8)) - (88/8)) \\
&:= (9999 + 9)/9 - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1086 &:= 1111 - (1 + ((1 + 1) \times (1 + 11))) \\
&:= ((22/2 + 22)^2) - 2/2 - 2 \\
&:= 33 \times 33 - 3 \\
&:= 4 \times 4^4 + (4^4 - 4 - 4)/4 \\
&:= 5555/5 - 5 \times 5 \\
&:= 6 + (6 \times 6 \times (6 \times 6 - 6)) \\
&:= 7 + (77 \times (7 + 7) + 7/7) \\
&:= (8 \times (8 \times (8 + 8) + 8)) - (8 + 8)/8 \\
&:= ((99 \times 99) - (9 + 9 + 9))/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1087 &:= 1111 - (1 + 1) \times (1 + 11) \\
&:= ((22/2 + 22)^2) - 2 \\
&:= 3/3 + (33 \times 33 - 3) \\
&:= 4 \times 4^4 + ((4^4 - 4)/4) \\
&:= (5555 + 5)/5 - 5 \times 5 \\
&:= 6 + ((6 \times 6 \times (6 \times 6 - 6)) + 6/6) \\
&:= 7 + (77 \times (7 + 7) + ((7 + 7)/7)) \\
&:= (8 \times (8 \times (8 + 8) + 8)) - 8/8 \\
&:= ((99 \times 99) - (9 + 9))/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1088 &:= (11 \times (1 + 1 + 1))^{1+1} - 1 \\
&:= ((22/2 + 22)^2) - 2/2 \\
&:= 33 \times 33 - 3/3 \\
&:= 4 \times (4 \times 4 + 4^4) \\
&:= (5 + 5)/5 \times (555 - (55/5)) \\
&:= (66/6 + 6) \times ((6 + 6)/6)^6 \\
&:= 77 \times (7 + 7) + (77 - 7)/7 \\
&:= 8 \times (8 \times (8 + 8) + 8) \\
&:= ((99 \times 99) - 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1089 &:= (11 \times (1 + 1 + 1))^{1+1} \\
&:= (22/2 + 22)^2 \\
&:= 33 \times 33 \\
&:= 4/4 + (4 \times (4 \times 4 + 4^4)) \\
&:= 5 + (((5 - 5/5)^5 + 55) + 5) \\
&:= 66 \times 66/(6 - ((6 + 6)/6)) \\
&:= 77/7 + 77 \times (7 + 7) \\
&:= 8/8 + (8 \times (8 \times (8 + 8) + 8)) \\
&:= 99 \times (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1090 &:= 1 + (11 \times (1 + 1 + 1))^{1+1} \\
&:= 2/2 + ((22/2 + 22)^2) \\
&:= 3/3 + 33 \times 33 \\
&:= (4 + 4)/4 + (4 \times (4 \times 4 + 4^4)) \\
&:= 55 \times (5 \times 5 - 5) - 5 - 5 \\
&:= 66 + (((6 + 6)/6)^{(66-6)/6}) \\
&:= 77 \times (7 + 7) + (77 + 7)/7 \\
&:= (8 + 8)/8 + (8 \times (8 \times (8 + 8) + 8)) \\
&:= ((99 \times 99) + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1091 &:= 1 + 1 + (11 \times (1 + 1 + 1))^{1+1} \\
&:= 2 + ((22/2 + 22)^2) \\
&:= 3 + (33 \times 33 - 3/3) \\
&:= 4 + (((4^4 - 4)/4) + 4 \times 4^4) \\
&:= 5 + (5555/5 - 5 \times 5) \\
&:= 66/6 + (6 \times 6 \times (6 \times 6 - 6)) \\
&:= 7 + ((77 \times (7 + 7) - 7/7) + 7) \\
&:= 88/8 + ((8 \times (8 \times (8 + 8) + 8)) - 8) \\
&:= (((99 \times 99) + 9) + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1092 &:= 1 + 1 + 1 + (11 \times (1 + 1 + 1))^{1+1} \\
&:= (22 + 2 + 2) \times ((2 \times 22) - 2) \\
&:= 3 + 33 \times 33 \\
&:= 4 + (4 \times (4 \times 4 + 4^4)) \\
&:= 5 + ((5555 + 5)/5 - 5 \times 5) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 - 6)) + 6) \\
&:= 7 + (77 \times (7 + 7) + 7) \\
&:= ((8888 - 88)/8) - 8 \\
&:= ((9999 - 9)/9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1093 &:= 1111 - (1+1) \times (11-1-1) \\
&:= 2 + (((22/2+22)^2) + 2) \\
&:= 3 + (33 \times 33 + 3/3) \\
&:= 4 + ((4 \times (4 \times 4 + 4^4)) + 4/4) \\
&:= 55 \times (5 \times 5 - 5) - ((5+5)/5+5) \\
&:= (6666/6) - 6 - 6 - 6 \\
&:= 7 + ((77 \times (7+7) + 7/7) + 7) \\
&:= ((8888 - (8+8))/8) - 8 - 8 \\
&:= 9999/9 - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1094 &:= 1 + (1111 - (1+1) \times (11-1-1)) \\
&:= 2 + ((22+2+2) \times ((2 \times 22) - 2)) \\
&:= 3 + ((33 \times 33 - 3/3) + 3) \\
&:= (4444 - 4)/4 - 4 \times 4 \\
&:= 55 \times (5 \times 5 - 5) - (5/5 + 5) \\
&:= ((6666 - 66)/6) - 6 \\
&:= 7 + ((77 \times (7+7) + ((7+7)/7)) + 7) \\
&:= (8888 - 8)/8 - 8 - 8 \\
&:= (9999 + 9)/9 - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1095 &:= 1111 - ((1+1)^{1+1+1+1}) \\
&:= (2222/2) - 2^{2+2} \\
&:= 3 + (33 \times 33 + 3) \\
&:= 4444/4 - 4 \times 4 \\
&:= 55 \times (5 \times 5 - 5) - 5 \\
&:= 6 + (66 \times 66 / (6 - ((6+6)/6))) \\
&:= 7 + (77 \times (7+7) + ((77-7)/7)) \\
&:= 8888/8 - 8 - 8 \\
&:= 9 + (((99 \times 99) - (9+9+9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1096 &:= 1111 - (1+1+1+1+11) \\
&:= 2 \times (2^{2+2+2} + 22^2) \\
&:= 3 + ((33 \times 33 + 3/3) + 3) \\
&:= 4 + ((4 \times (4 \times 4 + 4^4)) + 4) \\
&:= 5/5 + (55 \times (5 \times 5 - 5) - 5) \\
&:= 6 + (((6+6)/6)^{(66-6)/6} + 66) \\
&:= 7 + (77 \times (7+7) + (77/7)) \\
&:= 8 + (8 \times (8 \times (8+8) + 8)) \\
&:= 9 + (((99 \times 99) - (9+9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1097 &:= 1111 - 1 - 1 - 1 - 11 \\
&:= 2 + ((2222/2) - 2^{2+2}) \\
&:= 3 \times 3 + (33 \times 33 - 3/3) \\
&:= 4 + (((4 \times (4 \times 4 + 4^4)) + 4/4) + 4) \\
&:= (5+5)/5 + (55 \times (5 \times 5 - 5) - 5) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 - 6)) + (66/6)) \\
&:= 7777/7 - (7+7) \\
&:= 8 + ((8 \times (8 \times (8+8) + 8)) + 8/8) \\
&:= 9 + (((99 \times 99) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1098 &:= 1111 - 1 - 1 - 11 \\
&:= (22 \times ((2 \times (22+2)) + 2)) - 2 \\
&:= 3 \times (333 + 33) \\
&:= 4 + ((4444 - 4)/4 - 4 \times 4) \\
&:= 55 \times (5 \times 5 - 5) - (5+5)/5 \\
&:= 666 + (6 \times (66+6)) \\
&:= (7777 + 7)/7 - (7+7) \\
&:= 8 + ((8 \times (8 \times (8+8) + 8)) + ((8+8)/8)) \\
&:= 99 + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1099 &:= 1111 - 1 - 11 \\
&:= (2222 - (22+2))/2 \\
&:= 3 \times 3 + (33 \times 33 + 3/3) \\
&:= 4 + (4444/4 - 4 \times 4) \\
&:= 55 \times (5 \times 5 - 5) - 5/5 \\
&:= (6666/6) - 6 - 6 \\
&:= 7 + ((77 \times (7+7) + 7) + 7) \\
&:= 88/8 + (8 \times (8 \times (8+8) + 8)) \\
&:= 9 + (((99 \times 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1100 &:= 1111 - 11 \\
&:= 22 \times ((2 \times (22+2)) + 2) \\
&:= 33/3 + 33 \times 33 \\
&:= 44 + 4 \times (4^4 + 4 + 4) \\
&:= 55 \times (5 \times 5 - 5) \\
&:= (6666 - 66)/6 \\
&:= (7777 - 77)/7 \\
&:= (8888 - 88)/8 \\
&:= 99/9 \times (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1101 &:= 1 + (1111 - 11) \\
&:= ((2222 - 22) + 2)/2 \\
&:= 3 + (33 \times 33 + 3 \times 3) \\
&:= 4 \times 4^4 + ((4 - 4/4)^4 - 4) \\
&:= 5/5 + 55 \times (5 \times 5 - 5) \\
&:= ((6666 - 66) + 6)/6 \\
&:= (7777 - 77 + 7)/7 \\
&:= ((8888 - (8+8))/8) - 8 \\
&:= ((9999 - 9)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1102 &:= 1 + (1 + (1111 - 11)) \\
&:= 2 + (22 \times ((2 \times (22+2)) + 2)) \\
&:= 3333/3 - 3 \times 3 \\
&:= (4444 - 4)/4 - 4 - 4 \\
&:= (5+5)/5 + 55 \times (5 \times 5 - 5) \\
&:= ((6666 - (6+6+6))/6) - 6 \\
&:= ((7777 - 7 - 7)/7) - 7 \\
&:= (8888 - 8)/8 - 8 \\
&:= 9999/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1103 &:= 1 + (1 + (1 + (1111 - 11))) \\
&:= (2222/2) - 2 \times (2+2) \\
&:= 3 + (33 \times 33 + 33/3) \\
&:= 4444/4 - 4 - 4 \\
&:= 5 + (55 \times (5 \times 5 - 5) - ((5+5)/5)) \\
&:= ((6666 - (6+6))/6) - 6 \\
&:= (7777 - 7)/7 - 7 \\
&:= 8888/8 - 8 \\
&:= (9999 + 9)/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1104 &:= 1 + (1 + (1 + (1 + (1111 - 11)))) \\
&:= (22+2) \times ((2 \times 22) + 2) \\
&:= 3 + (33 \times 33 + 3 \times 3 + 3) \\
&:= 4 \times ((4 \times 4 + 4^4) + 4) \\
&:= 5 + (55 \times (5 \times 5 - 5) - 5/5) \\
&:= ((6666 - 6)/6) - 6 \\
&:= 7777/7 - 7 \\
&:= 8 + ((8 \times (8 \times (8+8) + 8)) + 8) \\
&:= (((9999 + 9) + 9)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1105 &:= 1111 - ((1+1) \times (1+1+1)) \\
&:= (2222/2) - (2+2+2) \\
&:= 3333/3 - (3+3) \\
&:= 4 \times 4^4 + (4 - 4/4)^4 \\
&:= 5 + 55 \times (5 \times 5 - 5) \\
&:= (6666/6) - 6 \\
&:= (7777 + 7)/7 - 7 \\
&:= (8/8 + 8 + 8) \times (8/8 + 8 \times 8) \\
&:= 9 \times 9 + (((9+9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1106 &:= 1111 - 1 - 1 - 1 - 1 - 1 \\
&:= 2 + ((22+2) \times ((2 \times 22) + 2)) \\
&:= ((3333 + 3)/3) - (3+3) \\
&:= (4444 - 4)/4 - 4 \\
&:= 5555/5 - 5 \\
&:= (6666 + 6)/6 - 6 \\
&:= 77 + 7 \times 7 \times (7+7+7) \\
&:= ((8888 + 88)/8) - 8 - 8 \\
&:= 9 + (((99 \times 99) - 9)/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1107 &:= 1111 - 1 - 1 - 1 - 1 \\
&:= (2222/2) - 2 - 2 \\
&:= 3 \times ((333 + 33) + 3) \\
&:= 4444/4 - 4 \\
&:= (5555 + 5)/5 - 5 \\
&:= (((6666 + 6) + 6)/6) - 6 \\
&:= 7 + ((7777 - 77)/7) \\
&:= 8 + ((8 \times (8 \times (8+8) + 8)) + (88/8)) \\
&:= 9 + (999 + 99)
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 1108 &:= 1111 - 1 - 1 - 1 \\
 &:= 2 \times (((22 + 2)^2) - 22) \\
 &:= 3333/3 - 3 \\
 &:= 4 + (4 \times ((4 \times 4 + 4^4) + 4)) \\
 &:= (5 + 5)/5 \times (555 - 5/5) \\
 &:= (6666 - (6 + 6 + 6))/6 \\
 &:= (7777 - 7 - 7 - 7)/7 \\
 &:= 8 + ((8888 - 88)/8) \\
 &:= 9 + (((99 \times 99) + 9)/9) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 1113 &:= 1 + 1 + 1111 \\
 &:= 2 + (2222/2) \\
 &:= 3 + ((3333 - 3)/3) \\
 &:= ((4444 + 4) + 4)/4 \\
 &:= ((5555 + 5) + 5)/5 \\
 &:= ((6666 + 6) + 6)/6 \\
 &:= 7 \times 7 \times 7 + (777 - 7) \\
 &:= ((8888 + 8) + 8)/8 \\
 &:= ((9999 + 9) + 9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 1118 &:= (11 - 1) \times (1 + 111) - 1 - 1 \\
 &:= 2 + (((2222 + 2)/2) + 2) + 2 \\
 &:= 3 + ((3333 + 3)/3 + 3) \\
 &:= 4 + ((4444 - 4)/4 + 4) \\
 &:= 5 + (5555 + 5 + 5)/5 \\
 &:= 6 + (6666 + 6)/6 \\
 &:= 7 + 7777/7 \\
 &:= 8 + (8888 - 8)/8 \\
 &:= 9 + ((9999 - (9 + 9))/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 1109 &:= 1111 - 1 - 1 \\
 &:= (2222/2) - 2 \\
 &:= ((3333 + 3)/3) - 3 \\
 &:= (4444 - (4 + 4))/4 \\
 &:= (5555 - (5 + 5))/5 \\
 &:= (6666 - (6 + 6))/6 \\
 &:= (7777 - 7 - 7)/7 \\
 &:= (8888 - (8 + 8))/8 \\
 &:= (9999 - (9 + 9))/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 1114 &:= 1 + 1 + 1 + 1111 \\
 &:= 2 + ((2222 + 2)/2) \\
 &:= 3 + 3333/3 \\
 &:= 4 + (4444 - 4)/4 \\
 &:= 5 + ((5555 - (5 + 5))/5) \\
 &:= (((6666 + 6) + 6) + 6)/6 \\
 &:= ((7777 + 7 + 7) + 7)/7 \\
 &:= (((8888 + 8) + 8) + 8)/8 \\
 &:= (((9999 + 9) + 9) + 9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 1119 &:= (11 - 1) \times (1 + 111) - 1 \\
 &:= 2 \times (2 + 2) + (2222/2) \\
 &:= 3 + (33 \times 33 + 3^3) \\
 &:= 4 + (4444/4 + 4) \\
 &:= (((5 + 5) \times (555 + 5)) - 5)/5 \\
 &:= 6 + (((6666 + 6) + 6)/6) \\
 &:= 7 + (7777 + 7)/7 \\
 &:= 8 + 8888/8 \\
 &:= 9 + ((9999 - 9)/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 1110 &:= 1111 - 1 \\
 &:= (2222 - 2)/2 \\
 &:= (3333 - 3)/3 \\
 &:= (4444 - 4)/4 \\
 &:= (5 + 5) \times 555/5 \\
 &:= (6666 - 6)/6 \\
 &:= (7777 - 7)/7 \\
 &:= (8888 - 8)/8 \\
 &:= (9999 - 9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 1115 &:= 1 + 1 + 1 + 1 + 1111 \\
 &:= 2 + ((2222/2) + 2) \\
 &:= 3 + ((3333 + 3)/3) \\
 &:= 4 + 4444/4 \\
 &:= 5 + (555 + 555) \\
 &:= 6 + ((6666 - (6 + 6))/6) \\
 &:= ((7777 + 77)/7) - 7 \\
 &:= (8/((8 + 8)/8)) + 8888/8 \\
 &:= 9 + (((99 \times 99) - 9)/9) + 9 + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 1120 &:= (11 - 1) \times (1 + 111) \\
 &:= 2 \times (((22 + 2)^2) - 2^{2+2}) \\
 &:= 3 \times 3 + 3333/3 \\
 &:= 4 \times (((4 \times 4 + 4^4) + 4) + 4) \\
 &:= (5 + 5) \times (555 + 5)/5 \\
 &:= 6 + (((6666 + 6) + 6) + 6)/6 \\
 &:= 7 \times 7 \times 7 + 777 \\
 &:= 8 + (8 \times 8 \times (8 + 8) + 88) \\
 &:= 9 + 9999/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 1111 &:= 1111 \\
 &:= 2222/2 \\
 &:= 3333/3 \\
 &:= 4444/4 \\
 &:= 5555/5 \\
 &:= 6666/6 \\
 &:= 7777/7 \\
 &:= 8888/8 \\
 &:= 9999/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 1116 &:= 1 + 1 + 1 + 1 + 1 + 1111 \\
 &:= 2 + (((2222 + 2)/2) + 2) \\
 &:= 3^3 + 33 \times 33 \\
 &:= 4 + (4444 + 4)/4 \\
 &:= 5 + 5555/5 \\
 &:= 6 \times (6 \times (6 \times 6 - 6) + 6) \\
 &:= 7 + ((7777 - 7 - 7)/7) \\
 &:= 8 + (((8888 - 88)/8) + 8) \\
 &:= 9 + (999 + 99 + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 1121 &:= 11 + 1111 - 1 \\
 &:= ((2222 - 2) + 22)/2 \\
 &:= 3 \times 3 + ((3333 + 3)/3) \\
 &:= 4 \times (4^4 + 4) + (4 - 4/4)^4 \\
 &:= 5 + (5555/5 + 5) \\
 &:= (66 \times (66/6 + 6)) - 6/6 \\
 &:= 7/7 + (7 \times 7 \times 7 + 777) \\
 &:= 8 + (((8888 + 8) + 8)/8) \\
 &:= 9 + (9999 + 9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 1112 &:= 1 + 1111 \\
 &:= (2222 + 2)/2 \\
 &:= (3333 + 3)/3 \\
 &:= (4444 + 4)/4 \\
 &:= (5555 + 5)/5 \\
 &:= (6666 + 6)/6 \\
 &:= (7777 + 7)/7 \\
 &:= 88 + 8 \times 8 \times (8 + 8) \\
 &:= (9999 + 9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 1117 &:= 1111 + (1 + 1) \times (1 + 1 + 1) \\
 &:= 2 + (((2222/2) + 2) + 2) \\
 &:= 3 + 3333/3 + 3 \\
 &:= 4 + (((4444 + 4) + 4)/4) \\
 &:= 5 + (5555 + 5)/5 \\
 &:= 6 + (6666/6) \\
 &:= 7 + (7777 - 7)/7 \\
 &:= 8 + ((8888 - (8 + 8))/8) \\
 &:= 9 + (((99 \times 99) + 9)/9) + 9 + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 1122 &:= 11 + 1111 \\
 &:= (2222 + 22)/2 \\
 &:= 33 + 33 \times 33 \\
 &:= (4444 + 44)/4 \\
 &:= (5555 + 55)/5 \\
 &:= 66 \times (66/6 + 6) \\
 &:= (7777 + 77)/7 \\
 &:= (8888 + 88)/8 \\
 &:= (9999 + 99)/9
 \end{aligned}$$

$$\blacktriangleright 1123 := 1 + 11 + 1111$$

$$\begin{aligned} &:= ((2222 + 22) + 2)/2 \\ &:= 3 + (3333/3 + 3 \times 3) \\ &:= 4 + (4444/4 + 4 + 4) \\ &:= ((5555 + 55) + 5)/5 \\ &:= 6 + ((6666/6) + 6) \\ &:= (7777 + 77 + 7)/7 \\ &:= ((8888 + 88) + 8)/8 \\ &:= 99 + (((9 + 9)/9)^{9/9+9}) \end{aligned}$$

$$\blacktriangleright 1124 := 1 + 1 + 11 + 1111$$

$$\begin{aligned} &:= 2 + ((2222 + 22)/2) \\ &:= ((3 \times 3 + 3 + 3)^3 - 3)/3 \\ &:= 4 + (4 \times ((4 \times 4 + 4^4) + 4) + 4) \\ &:= (5 - 5/5)^5 + 5 \times (5 \times 5 - 5) \\ &:= 6 + ((6666 + 6)/6 + 6) \\ &:= 7 + ((7777 - 7)/7 + 7) \\ &:= (((8888 + 88) + 8) + 8)/8 \\ &:= ((9 \times 999) + 9/9)/(9 - 9/9) \end{aligned}$$

$$\blacktriangleright 1125 := 1 + 1 + 1 + 11 + 1111$$

$$\begin{aligned} &:= 2 + (((2222 + 22) + 2)/2) \\ &:= (3 \times 3 + 3 + 3)^3/3 \\ &:= 4 + (4 \times (4^4 + 4) + (4 - 4/4)^4) \\ &:= 5 \times 5 \times (55 - 5 - 5) \\ &:= 6 \times 66 + (((6 \times 6)/(6 + 6))^6) \\ &:= 7 + (7777/7 + 7) \\ &:= 8 + (((8888 - (8 + 8))/8) + 8) \\ &:= (9 \times ((99 + 9 + 9) + 9)) - 9 \end{aligned}$$

$$\blacktriangleright 1126 := 1 + 1 + 1 + 1 + 11 + 1111$$

$$\begin{aligned} &:= (2 \times ((22 + 2)^2) - 2) - 22 \\ &:= ((3 \times 3 + 3 + 3)^3 + 3)/3 \\ &:= 4 + (4444 + 44)/4 \\ &:= 5 + ((5555/5 + 5) + 5) \\ &:= 6 + (((6666 + 6) + 6) + 6)/6 + 6 \\ &:= 7 + ((7777 + 7)/7 + 7) \\ &:= 8 + ((8888 - 8)/8 + 8) \\ &:= 9/9 + ((9 \times ((99 + 9 + 9) + 9)) - 9) \end{aligned}$$

$$\blacktriangleright 1127 := 1111 + (1 + 1)^{1+1+1+1}$$

$$\begin{aligned} &:= 2^{2+2} + (2222/2) \\ &:= 3 + (((3 \times 3 + 3 + 3)^3 - 3)/3) \\ &:= 4 \times 4 + 4444/4 \\ &:= 5 + ((5555 + 55)/5) \\ &:= 6 + ((66 \times (66/6 + 6)) - 6/6) \\ &:= 7 \times ((77 + 77) + 7) \\ &:= 8 + (8888/8 + 8) \\ &:= 9 + (((9999 - (9 + 9))/9) + 9) \end{aligned}$$

$$\blacktriangleright 1128 := (11 - 1) \times (1 + 1 + 111) - 1 - 1$$

$$\begin{aligned} &:= (2 \times ((22 + 2)^2)) - (22 + 2) \\ &:= 3 + ((3 \times 3 + 3 + 3)^3/3) \\ &:= 4 \times 4 + (4444 + 4)/4 \\ &:= 5 + (((5555 + 55) + 5)/5) \\ &:= 6 + (66 \times (66/6 + 6)) \\ &:= 7/7 + (77 \times (7 + 7) + 7 \times 7) \\ &:= 8 \times (8 \times 8 + 88) - 88 \\ &:= 9 + (((9999 - 9)/9) + 9) \end{aligned}$$

$$\blacktriangleright 1129 := (11 - 1) \times (1 + 1 + 111) - 1$$

$$\begin{aligned} &:= 2 + ((2222/2) + 2^{2+2}) \\ &:= 3 + (((3 \times 3 + 3 + 3)^3 + 3)/3) \\ &:= 4 \times 4 + (((4444 + 4) + 4)/4) \\ &:= 5 + ((5 - 5/5)^5 + 5 \times (5 \times 5 - 5)) \\ &:= 6 + (((6666/6) + 6) + 6) \\ &:= 7 + ((7777 + 77)/7) \\ &:= 8 + (((8888 + 8) + 8)/8 + 8) \\ &:= 9 + (9999/9 + 9) \end{aligned}$$

$$\blacktriangleright 1130 := (11 - 1) \times (1 + 1 + 111)$$

$$\begin{aligned} &:= (2 \times ((22 + 2)^2)) - 22 \\ &:= 3 + (((3 \times 3 + 3 + 3)^3 - 3)/3 + 3) \\ &:= 4 + ((4444 + 44)/4 + 4) \\ &:= 5 + (5 \times 5 \times (55 - 5 - 5)) \\ &:= 6 + (((6666 + 6)/6 + 6) + 6) \\ &:= 7 + ((7777 + 77 + 7)/7) \\ &:= 8 + ((8888 + 88)/8) \\ &:= 9 + ((9999 + 9)/9 + 9) \end{aligned}$$

$$\blacktriangleright 1131 := 1 + (11 - 1) \times (1 + 1 + 111)$$

$$\begin{aligned} &:= 22 + ((2222/2) - 2) \\ &:= (3^3 \times (3 \times 3 + 33)) - 3 \\ &:= 4 + (4444/4 + 4 \times 4) \\ &:= 5 \times 5 + (5555/5 - 5) \\ &:= 6 + (((6 \times 6)/(6 + 6))^6) + 6 \times 66 \\ &:= 7 + (((7777 - 7)/7 + 7) + 7) \\ &:= 8 + (((8888 + 88) + 8)/8) \\ &:= 9 + ((9999 + 99)/9) \end{aligned}$$

$$\blacktriangleright 1132 := 11 + 11 + 1111 - 1$$

$$\begin{aligned} &:= 2 + ((2 \times ((22 + 2)^2)) - 22) \\ &:= 3 + ((3 \times 3 + 3 + 3)^3 + 3)/3 + 3 \\ &:= 44 + (4 \times (4 \times 4 + 4^4)) \\ &:= 5 + (((5555 + 55)/5) + 5) \\ &:= ((66 - 6)/6) + (66 \times (66/6 + 6)) \\ &:= 7 + ((7777/7 + 7) + 7) \\ &:= ((88 \times (888/8 - 8)) - 8)/8 \\ &:= 9 + (((9 + 9)/9)^{9/9+9}) + 99 \end{aligned}$$

$$\blacktriangleright 1133 := 11 + 11 + 1111$$

$$\begin{aligned} &:= 22 + (2222/2) \\ &:= ((33/3)^3) - 33 \times (3 + 3) \\ &:= 44 + ((4 \times (4 \times 4 + 4^4)) + 4/4) \\ &:= ((5555 + 55) + 55)/5 \\ &:= 66/6 + (66 \times (66/6 + 6)) \\ &:= 7 + (((7777 + 7)/7 + 7) + 7) \\ &:= 88/8 \times (888/8 - 8) \\ &:= (9 \times ((99 + 9 + 9) + 9)) - 9/9 \end{aligned}$$

$$\blacktriangleright 1134 := 1 + 11 + 11 + 1111$$

$$\begin{aligned} &:= 22 + ((2222 + 2)/2) \\ &:= 3^3 \times (3 \times 3 + 33) \\ &:= 4 \times 4^4 + (444 - 4)/4 \\ &:= 55 + ((5 - 5/5)^5 + 55) \\ &:= 6 + ((66 \times (66/6 + 6)) + 6) \\ &:= 7 + (77 \times (7 + 7) + 7 \times 7) \\ &:= 8 + (((8888 - 8)/8 + 8) + 8) \\ &:= 9 \times ((99 + 9 + 9) + 9) \end{aligned}$$

$$\blacktriangleright 1135 := 111 + (1 + 1)^{11-1}$$

$$\begin{aligned} &:= 2 + ((2222/2) + 22) \\ &:= 3^3 + (3333/3 - 3) \\ &:= 4 \times 4^4 + 444/4 \\ &:= 5 + ((5 \times 5 \times (55 - 5 - 5)) + 5) \\ &:= 6 + (((6666/6) + 6) + 6) + 6 \\ &:= 7 + ((77 \times (7 + 7) + 7 \times 7) + 7/7) \\ &:= 8 + ((8888/8 + 8) + 8) \\ &:= 9/9 + (9 \times ((99 + 9 + 9) + 9)) \end{aligned}$$

$$\blacktriangleright 1136 := 1 + 111 + (1 + 1)^{11-1}$$

$$\begin{aligned} &:= 2 \times (((22 + 2)^2) - 2 \times (2 + 2)) \\ &:= ((3 \times 3 + 3 + 3)^3 + 33)/3 \\ &:= 4 \times ((4^4 - 4 \times 4) + 44) \\ &:= 5 \times 5 + 5555/5 \\ &:= 6 \times 6 + ((6666 - 66)/6) \\ &:= 7 + (((7777 + 77)/7) + 7) \\ &:= (8 + 8) \times ((8 \times 8 - 8/8) + 8) \\ &:= (9 + 9)/9 + (9 \times ((99 + 9 + 9) + 9)) \end{aligned}$$

$$\blacktriangleright 1137 := 1 + 1 + 111 + (1 + 1)^{11-1}$$

$$\begin{aligned} &:= 2 + (((2222/2) + 22) + 2) \\ &:= 3 + (3^3 \times (3 \times 3 + 33)) \\ &:= 4^4 + ((4/4 + 4)^4 + 4^4) \\ &:= 5 \times 5 + (5555 + 5)/5 \\ &:= 6 + (((6 \times 6)/(6 + 6))^6) + 6 \times 66 + 6 \\ &:= (77/7 \times (777/7 - 7)) - 7 \\ &:= 8/8 + ((8 + 8) \times ((8 \times 8 - 8/8) + 8)) \\ &:= 9 + (((9999 - 9)/9) + 9) + 9 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1138 &:= 1111 + (1 + 1 + 1)^{1+1+1} \\
&:= 2 + (2 \times ((22 + 2)^2) - 2 \times (2 + 2)) \\
&:= 3^3 + 3333/3 \\
&:= 4 + ((444 - 4)/4 + 4 \times 4^4) \\
&:= 5 \times 5 + (5555 + 5 + 5)/5 \\
&:= ((6 + 6)/6)^6 + ((6 \times 6 \times (6 \times 6 - 6)) - 6) \\
&:= 7 \times 7 + (77 \times (7 + 7) + (77/7)) \\
&:= 8 + (((8888 + 88)/8) + 8) \\
&:= 9 + ((9999/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1139 &:= (11 - 1) \times (1 + 1 + 1 + 111) - 1 \\
&:= (2 \times ((22 + 2)^2)) - (22/2 + 2) \\
&:= 3^3 + ((3333 + 3)/3) \\
&:= 4 + (444/4 + 4 \times 4^4) \\
&:= ((5^5 - 555) + 5^5)/5 \\
&:= (66/6 + 6) \times (66 + 6/6) \\
&:= 7 + (((7777/7 + 7) + 7) + 7) \\
&:= 8 + (((8888 + 88) + 8)/8 + 8) \\
&:= 9 + (((9999 + 9)/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1140 &:= (11 - 1) \times (1 + 1 + 1 + 111) \\
&:= 2 \times (((22 + 2)^2) - (2 + 2 + 2)) \\
&:= 3 + ((3^3 \times (3 \times 3 + 33)) + 3) \\
&:= 4 + (44 \times (4 \times 4 + 4) + 4^4) \\
&:= (5 + 5) \times (5 \times 5 \times 5 - (55/5)) \\
&:= 66 + ((6 \times 6 \times (6 \times 6 - 6)) - 6) \\
&:= (7/7 + 7 + 7) \times (77 - 7/7) \\
&:= ((88 + 8)/8) \times (88 - 8/8 + 8) \\
&:= 9 + (((9999 + 99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1141 &:= 1 + (11 - 1) \times (1 + 1 + 1 + 111) \\
&:= (2 \times ((22 + 2)^2)) - 22/2 \\
&:= 3 + (3333/3 + 3^3) \\
&:= 4 + (((4/4 + 4)^4 + 4^4) + 4^4) \\
&:= 5 + (5555/5 + 5 \times 5) \\
&:= 6 \times 6 + ((6666/6) - 6) \\
&:= 7 + (77 \times (7 + 7) + 7 \times 7) + 7 \\
&:= (8 + 8) \times (8 \times 8 + 8) - 88/8 \\
&:= (9 - ((9 + 9)/9)) \times (9 \times (9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1142 &:= 1 + 1 + (11 - 1) \times (1 + 1 + 1 + 111) \\
&:= (2 \times (22 \times (22 + 2 + 2))) - 2 \\
&:= 3 + (((3333 + 3)/3) + 3^3) \\
&:= 4 \times (4 + 4) + (4444 - 4)/4 \\
&:= 5 + ((5555 + 5)/5 + 5 \times 5) \\
&:= 6 \times 6 + ((6666 + 6)/6 - 6) \\
&:= 7 + (((77 \times (7 + 7) + 7 \times 7) + 7/7) + 7) \\
&:= (8 - 88)/8 + (8 + 8) \times (8 \times 8 + 8) \\
&:= 9 + ((9 \times ((99 + 9 + 9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1143 &:= 1111 + 11 \times (1 + 1 + 1) - 1 \\
&:= 2 + ((2 \times ((22 + 2)^2)) - 22/2) \\
&:= 3 \times ((3 \times (3 \times 33 + 3^3)) + 3) \\
&:= 4 \times (4 + 4) + 4444/4 \\
&:= ((5 + 5)/5)^5 + 5555/5 \\
&:= 6 \times 6 + (((6666 + 6) + 6)/6) - 6 \\
&:= ((77 \times (777/7 - 7)) - 7)/7 \\
&:= (8/8 + 8) \times (8 \times (8 + 8) - 8/8) \\
&:= 9 + (9 \times ((99 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1144 &:= 1111 + 11 \times (1 + 1 + 1) \\
&:= 2 \times (22 \times (22 + 2 + 2)) \\
&:= 33 + 3333/3 \\
&:= 4^4 + (444 + 444) \\
&:= 5 \times 5 \times 5 + ((5 - 5/5)^5 - 5) \\
&:= 66/6 \times (((666 - 6)/6) - 6) \\
&:= 77/7 \times (777/7 - 7) \\
&:= (8 + 8) \times (8 \times 8 + 8) - 8 \\
&:= 9 + ((9 \times ((99 + 9 + 9) + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1145 &:= 11^{1+1} + (1 + 1)^{11-1} \\
&:= 2/2 + (2 \times (22 \times (22 + 2 + 2))) \\
&:= 33 + ((3333 + 3)/3) \\
&:= 4^4 + (((4 + 4) \times 444 + 4)/4) \\
&:= (5 + 5) \times (5 \times 5 \times 5 - 5) - 55 \\
&:= 6 + ((66/6 + 6) \times (66 + 6/6)) \\
&:= (((7 + 7)/7 + 7) \times ((7 + 7)/7)^7) - 7 \\
&:= 8/8 + ((8 + 8) \times (8 \times 8 + 8) - 8) \\
&:= 99/9 + (9 \times ((99 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1146 &:= 1 + (11^{1+1} + (1 + 1)^{11-1}) \\
&:= (2 \times ((22 + 2)^2) - 2) - 2 \\
&:= 3333 - (3 \times 3^{3+3}) \\
&:= 4 \times 4^4 + ((444 + 44)/4) \\
&:= 5 + ((5555/5 + 5 \times 5) + 5) \\
&:= 66 + (6 \times 6 \times (6 \times 6 - 6)) \\
&:= 7 \times 7 + (7777/7 - (7 + 7)) \\
&:= (8 + 8)/8 + ((8 + 8) \times (8 \times 8 + 8) - 8) \\
&:= 9 + (((9999 - 9)/9) + 9) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1147 &:= 1111 + ((1 + 1 + 1) \times (1 + 11)) \\
&:= (2 \times ((22 + 2)^2) - 2) - 2/2 \\
&:= 3 + (3333/3 + 33) \\
&:= 4 + (4444/4 + 4 \times (4 + 4)) \\
&:= 5 \times 5 + ((5555 + 55)/5) \\
&:= 6 \times 6 + (6666/6) \\
&:= 7 + ((7/7 + 7 + 7) \times (77 - 7/7)) \\
&:= 88/8 + ((8 + 8) \times ((8 \times 8 - 8/8) + 8)) \\
&:= 9 + (((9999/9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1148 &:= 1111 + (111/(1 + 1 + 1)) \\
&:= 2 \times (((22 + 2)^2) - 2) \\
&:= 3 + (((3333 + 3)/3) + 33) \\
&:= 444 + 4 \times 4 \times 44 \\
&:= 5 \times 5 \times 5 + ((5 - 5/5)^5 - 5/5) \\
&:= 6 \times 6 + (6666 + 6)/6 \\
&:= 77 + (77 \times (7 + 7) - 7) \\
&:= 8 \times 88 + 888/(8 + 8)/8 \\
&:= 9 + (((9999 + 9)/9 + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1149 &:= 1 + (1111 + (111/(1 + 1 + 1))) \\
&:= 2/2 + (2 \times (((22 + 2)^2) - 2)) \\
&:= 3^3 + (33 \times 33 + 33) \\
&:= 44 + ((4 - 4/4)^4 + 4 \times 4^4) \\
&:= 5 \times 5 \times 5 + (5 - 5/5)^5 \\
&:= 6 \times 6 + (((6666 + 6) + 6)/6) \\
&:= 7/7 + ((77 \times (7 + 7) - 7) + 77) \\
&:= 8 + ((8 + 8) \times (8 \times 8 + 8) - (88/8)) \\
&:= 9 + (((9999 + 99)/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1150 &:= (1 + 1) \times (((1 + 1) \times (1 + 11))^{1+1}) - 1 \\
&:= (2 \times ((22 + 2)^2)) - 2 \\
&:= 3 + ((3333/3 + 33) + 3) \\
&:= 44 + ((4444 - 4)/4 - 4) \\
&:= 5 \times (5 \times (55 - 5 - 5) + 5) \\
&:= ((6 \times 6 - ((6 + 6)/6))^{(6+6)/6}) - 6 \\
&:= 7 + (((77 \times (777/7 - 7)) - 7)/7) \\
&:= (8 + 8) \times (8 \times 8 + 8) - (8 + 8)/8 \\
&:= 999 + (9 \times (9 + 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1151 &:= ((1 + 1) \times (((1 + 1) \times (1 + 11))^{1+1})) - 1 \\
&:= (2 \times ((22 + 2)^2)) - 2/2 \\
&:= 3^3 + (((3 \times 3 + 3 + 3)^3 - 3)/3) \\
&:= 44 + (4444/4 - 4) \\
&:= 5/5 + (5 \times (5 \times (55 - 5 - 5) + 5)) \\
&:= (66 \times (6 + 6 + 6)) - (6 \times 6 + 6/6) \\
&:= 7 + (77/7 \times (777/7 - 7)) \\
&:= (8 + 8) \times (8 \times 8 + 8) - 8/8 \\
&:= 99 + ((9 \times (99 + 9 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1152 &:= (1 + 1) \times (((1 + 1) \times (1 + 11))^{1+1}) \\
&:= 2 \times ((22 + 2)^2) \\
&:= 3 \times ((3 + 3) \times ((3/3 + 3)^3)) \\
&:= 4 \times (4 \times (4 + 4) + 4^4) \\
&:= ((5 + 5)/5)^5 \times (55/5 + 5 \times 5) \\
&:= 6 \times ((6 \times (6 \times 6 - 6) + 6) + 6) \\
&:= ((7 + 7)/7 + 7) \times ((7 + 7)/7)^7 \\
&:= (8 + 8) \times (8 \times 8 + 8) \\
&:= 99 + (9 \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1153 &:= 1 + ((1+1) \times (((1+1) \times (1+11))^{1+1})) \\
&:= 2/2 + (2 \times ((22+2)^2)) \\
&:= (3/3+3)^3 + 33 \times 33 \\
&:= 4/4 + (4 \times (4 \times (4+4) + 4^4)) \\
&:= 5 + (((5-5/5)^5 - 5/5) + 5 \times 5 \times 5) \\
&:= 6 + ((6666/6) + 6 \times 6) \\
&:= 7 \times 7 + (7777/7 - 7) \\
&:= 8/8 + (8+8) \times (8 \times 8 + 8) \\
&:= 9/9 + ((9 \times (99+9+9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1154 &:= (1+1) \times (1 + (((1+1) \times (1+11))^{1+1})) \\
&:= 2 + (2 \times ((22+2)^2)) \\
&:= (3-3/3) \times (((3 \times 3+3)^3 + 3)/3) \\
&:= 44 + (4444-4)/4 \\
&:= 5 + ((5-5/5)^5 + 5 \times 5 \times 5) \\
&:= 6 + ((6666+6)/6 + 6 \times 6) \\
&:= 77 + (77 \times (7+7) - 7/7) \\
&:= (8+8)/8 + (8+8) \times (8 \times 8 + 8) \\
&:= 9 + ((9 \times ((99+9+9) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1155 &:= ((1+11 \times (1+1+1))^{1+1}) - 1 \\
&:= 2 + ((2 \times ((22+2)^2)) + 2/2) \\
&:= 33 \times ((33-3/3) + 3) \\
&:= 44 + 4444/4 \\
&:= 55 + 55 \times (5 \times 5 - 5) \\
&:= 66/6 \times (666/6 - 6) \\
&:= 77 + 77 \times (7+7) \\
&:= 88/8 + ((8+8) \times (8 \times 8 + 8) - 8) \\
&:= 99/9 \times ((99 - ((9+9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1156 &:= (1+11 \times (1+1+1))^{1+1} \\
&:= 2 \times (((22+2)^2) + 2) \\
&:= (3/3+33)^{3-3/3} \\
&:= 4 + (4 \times (4 \times (4+4) + 4^4)) \\
&:= 55 + (55 \times (5 \times 5 - 5) + 5/5) \\
&:= (6 \times 6 - ((6+6)/6))^{(6+6)/6} \\
&:= 7/7 + (77 \times (7+7) + 77) \\
&:= (8/((8+8)/8)) + (8+8) \times (8 \times 8 + 8) \\
&:= ((999/9 - 9)^{(9+9)/9})/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1157 &:= 1 + ((1+11 \times (1+1+1))^{1+1}) \\
&:= 2/2 + (2 \times (((22+2)^2) + 2)) \\
&:= 3/3 + ((3/3+33)^{3-3/3}) \\
&:= 4 + ((4 \times (4 \times (4+4) + 4^4)) + 4/4) \\
&:= 5 + (((5+5)/5)^5 \times (55/5 + 5 \times 5)) \\
&:= 6 + ((66 \times (6+6+6)) - (6 \times 6 + 6/6)) \\
&:= 77 + (77 \times (7+7) + ((7+7)/7)) \\
&:= (8/8+88) \times (88+8+8)/8 \\
&:= (((9+9)/9)^{99/9}) - 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1158 &:= 1 + (1 + ((1+11 \times (1+1+1))^{1+1})) \\
&:= 2 + (2 \times (((22+2)^2) + 2)) \\
&:= 3 + (33 \times ((33-3/3) + 3)) \\
&:= 4 + ((4444-4)/4 + 44) \\
&:= 555 + ((5^5 - (55+55))/5) \\
&:= 6 + (6 \times ((6 \times (6 \times 6 - 6) + 6) + 6)) \\
&:= 7 \times 7 + ((7777-7-7)/7) \\
&:= 8 + ((8+8) \times (8 \times 8 + 8) - ((8+8)/8)) \\
&:= 9 \times 9 + (((99 \times 99) - (99+9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1159 &:= 1 + (1 + (1 + ((1+11 \times (1+1+1))^{1+1}))) \\
&:= 2 + ((2 \times (((22+2)^2) + 2)) + 2/2) \\
&:= 3 + ((3/3+33)^{3-3/3}) \\
&:= 4 + (4444/4 + 44) \\
&:= 5 + (((5-5/5)^5 + 5 \times 5 \times 5) + 5) \\
&:= 6 + (((6666/6) + 6 \times 6) + 6) \\
&:= 7 \times 7 + (7777-7)/7 \\
&:= 8 + ((8+8) \times (8 \times 8 + 8) - 8/8) \\
&:= 9 \times 9 + ((99/9) \times (99-9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1160 &:= (11-1) \times (1+1+1+1+1+111) \\
&:= 2 \times (((22+2)^2) + 2) + 2 \\
&:= 33 \times 33 + (((3+3)^3 - 3)/3) \\
&:= 4 + ((4 \times (4 \times (4+4) + 4^4)) + 4) \\
&:= (5+5) \times (555/5 + 5) \\
&:= 6 + (((6666+6)/6 + 6 \times 6) + 6) \\
&:= 7 \times 7 + 7777/7 \\
&:= 8 + (8+8) \times (8 \times 8 + 8) \\
&:= 999 + (9 \times (9+9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1161 &:= 1111 + ((11-1)^{1+1}/(1+1)) \\
&:= 2/2 + (2 \times (((22+2)^2) + 2) + 2) \\
&:= (33 \times (33+3)) - 3^3 \\
&:= (44-4/4) \times (44/4 + 4 \times 4) \\
&:= 55 + (5555/5 - 5) \\
&:= 6 + ((66/6) \times (666/6 - 6)) \\
&:= 7 \times 7 + (7777+7)/7 \\
&:= 8 + ((8+8) \times (8 \times 8 + 8) + 8/8) \\
&:= 999 + 9 \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1162 &:= 11^{1+1+1} - (1+1+11)^{1+1} \\
&:= 2 + (2 \times (((22+2)^2) + 2) + 2) \\
&:= 3 + (((3/3+33)^{3-3/3}) + 3) \\
&:= (4+4)/4 \times ((4/4+4)^4 - 44) \\
&:= 55 + ((5555+5)/5 - 5) \\
&:= 6 + ((6 \times 6 - ((6+6)/6))^{(6+6)/6}) \\
&:= 7 + (77 \times (7+7) + 77) \\
&:= 8 + ((8+8) \times (8 \times 8 + 8) + ((8+8)/8)) \\
&:= 9/9 + (999 + 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1163 &:= 11 + ((1+1) \times (((1+1) \times (1+11))^{1+1})) \\
&:= 22/2 + (2 \times ((22+2)^2)) \\
&:= 3 + (3-3/3)^{3 \times 3} + 3 \times (3+3)^3 \\
&:= 4 + ((4444/4 + 44) + 4) \\
&:= 55 + ((5+5)/5 \times (555-5/5)) \\
&:= 66/6 + (6 \times ((6 \times (6 \times 6 - 6) + 6) + 6)) \\
&:= 7 + ((77 \times (7+7) + 77) + 7/7) \\
&:= 88/8 + (8+8) \times (8 \times 8 + 8) \\
&:= (9+9)/9 + (999+9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1164 &:= (1+11) \times (111 - (1 + (1+1+11))) \\
&:= 2 \times (((((22+2)^2) + 2) + 2) + 2) \\
&:= 3 + ((33 \times (33+3)) - 3^3) \\
&:= 444 + (4 \times (4 \times 44 + 4)) \\
&:= 55 + ((5555 - (5+5))/5) \\
&:= 6 \times 6 \times 6 \times 6 - (66+66) \\
&:= (77+7)/7 \times (7 \times (7+7) - 7/7) \\
&:= 8 \times 8 + ((8888-88)/8) \\
&:= 999/9 + (9 \times (99+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1165 &:= 1111 + ((111-1)/(1+1) - 1) \\
&:= 2 + ((2 \times ((22+2)^2)) + 22/2) \\
&:= 3^3 + (3333/3 + 3^3) \\
&:= 4 + ((44-4/4) \times (44/4 + 4 \times 4)) \\
&:= 5 + ((5+5) \times (555/5 + 5)) \\
&:= 66 + ((6666/6) - (6+6)) \\
&:= (7+7) \times (77+7) - 77/7 \\
&:= 8 + ((8/8+88) \times (88+8+8)/8) \\
&:= 9 + (((999/9 - 9)^{(9+9)/9})/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1166 &:= 11 \times (111 - (1 + (1+1+1+1))) \\
&:= 2 + (2 \times (((((22+2)^2) + 2) + 2) + 2)) \\
&:= ((33/3)^3) - ((3+3) \times 3^3 + 3) \\
&:= (44 \times (4^4 - 44))/(4+4) \\
&:= 55 + 5555/5 \\
&:= 66 + ((6666-66)/6) \\
&:= 7 + ((7777-7)/7 + 7 \times 7) \\
&:= 8 \times 8 + ((8888-8)/8 - 8) \\
&:= 99/9 \times ((99 - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1167 &:= 11 + ((1+11 \times (1+1+1))^{1+1}) \\
&:= 22/2 + (2 \times (((22+2)^2) + 2)) \\
&:= 33 + (3^3 \times (3 \times 3 + 33)) \\
&:= 444/4 + 4 \times (4^4 + 4 + 4) \\
&:= 55 + (5555+5)/5 \\
&:= ((6 \times (6 \times 66 - 6)) - 6)/((6+6)/6) \\
&:= 7 + (7777/7 + 7 \times 7) \\
&:= 8 \times 8 + (8888/8 - 8) \\
&:= ((99-9/9) \times ((99+9)/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1168 &:= (1+11)^{1+1} + (1+1)^{11-1} \\
&:= 2 \times ((22+2)^2) + 2 \times (2+2) \\
&:= 3 + (3/3+33)^{3-3/3} + 3 \times 3 \\
&:= 4 \times ((4 \times (4+4) + 4^4) + 4) \\
&:= 55 + (5555+5+5)/5 \\
&:= 6 + (((6 \times 6 - ((6+6)/6))^{(6+6)/6}) + 6) \\
&:= (7+7) \times (77+7) - (7/7+7) \\
&:= 8 + ((8+8) \times (8 \times 8+8) + 8) \\
&:= 9 \times 9 + (((99 \times 99) - (9+9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1169 &:= 1 + ((1+11)^{1+1} + (1+1)^{11-1}) \\
&:= (((2 \times 22) + 2)^2) + 222/2 \\
&:= ((33/3)^3) - (3+3) \times 3^3 \\
&:= 4/4 + (4 \times ((4 \times (4+4) + 4^4) + 4)) \\
&:= 555 + ((5^5 - 55)/5) \\
&:= ((6+6+6) \times (66-6/6)) - 6/6 \\
&:= (7+7) \times (77+7) - 7 \\
&:= 8 + (((8+8) \times (8 \times 8+8) + 8/8) + 8) \\
&:= 9 \times 9 + (((99 \times 99) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1170 &:= (11-1) \times (111 + ((1+1) \times (1+1+1))) \\
&:= 22 + (2 \times (((22+2)^2) - 2)) \\
&:= (3+3) \times (33 \times (3+3) - 3) \\
&:= 4 + ((44 \times (4^4 - 44))/(4+4)) \\
&:= (5+5) \times ((555+5)/5+5) \\
&:= (6+6+6) \times (66-6/6) \\
&:= 7/7 + ((7+7) \times (77+7) - 7) \\
&:= (8/8+8) \times (8 \times (8+8) + ((8+8)/8)) \\
&:= 9 + (999+9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1171 &:= 1111 + (11^{1+1} - 1)/(1+1) \\
&:= 2 + (((((2 \times 22) + 2)^2) + 222)/2) \\
&:= 3^3 + (3333/3+33) \\
&:= ((4444+4^4)/4) - 4 \\
&:= 5 + (5555/5+55) \\
&:= 66 + ((6666/6) - 6) \\
&:= 7 \times 7 + ((7777+77)/7) \\
&:= 8 + ((8+8) \times (8 \times 8+8) + (88/8)) \\
&:= 9 \times 9 + (((99 \times 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1172 &:= 1111 + ((1+11^{1+1})/(1+1)) \\
&:= 22 + (2 \times ((22+2)^2)) - 2 \\
&:= 3 + (33/3)^3 - (3+3) \times 3^3 \\
&:= 4 + (4 \times ((4 \times (4+4) + 4^4) + 4)) \\
&:= 5 + ((5555+5)/5+55) \\
&:= 66 + ((6666+6)/6-6) \\
&:= 7 + ((7+7) \times (77+7) - (77/7)) \\
&:= 8 + (((8888-88)/8) + 8 \times 8) \\
&:= 9 \times 9 + (((99 \times 99) + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1173 &:= 1 + (1111 + ((1+11^{1+1})/(1+1))) \\
&:= 22 + ((2 \times ((22+2)^2)) - 2/2) \\
&:= 3 + (33 \times 33 + 3 \times 3^3) \\
&:= (4 \times 4 + 4/4) \times ((4^4+4)/4+4) \\
&:= 555 + ((5^5 - 5 - 5)/5 - 5) \\
&:= ((6 \times (6 \times 66 - 6)) + 6)/((6+6)/6) \\
&:= (7+7) \times (77+7) - (7+7+7)/7 \\
&:= 8 \times 8 + ((8888 - (8+8))/8) \\
&:= 9 + ((9 \times (99+9+9)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1174 &:= (1+1) \times (11 + (((1+1) \times (1+11))^{1+1})) \\
&:= 22 + (2 \times ((22+2)^2)) \\
&:= (33 \times (33+3)) - (33/3+3) \\
&:= ((4444-4) + 4^4)/4 \\
&:= 555 + ((5^5 - 5)/5 - 5) \\
&:= 66 + ((6666 - (6+6+6))/6) \\
&:= (7+7) \times (77+7) - (7+7)/7 \\
&:= 8 \times 8 + (8888 - 8)/8 \\
&:= 9 \times 9 + (9999/9 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1175 &:= 1111 + ((1+1)^{(1+1) \times (1+1+1)}) \\
&:= 22 + ((2 \times ((22+2)^2)) + 2/2) \\
&:= ((3/3+3)^3) + 3333/3 \\
&:= (4444+4^4)/4 \\
&:= 5^5/5 + (5+5) \times 55 \\
&:= 66 + ((6666 - (6+6))/6) \\
&:= (7+7) \times (77+7) - 7/7 \\
&:= 8 \times 8 + 8888/8 \\
&:= (((99+9) \times (99-9/9)) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1176 &:= (1+11) \times (111 - 1 - 1 - 11) \\
&:= 2 + ((2 \times ((22+2)^2)) + 22) \\
&:= (3/3+3) \times (3 \times 3 \times 33 - 3) \\
&:= (4 \times ((4^4 - 4) + 44)) - 4 - 4 \\
&:= 555 + ((5^5 + 5)/5 - 5) \\
&:= (66 \times (6+6+6)) - 6 - 6 \\
&:= (7+7) \times (77+7) \\
&:= 88 + (8 \times (8 \times (8+8) + 8)) \\
&:= (99 - 9/9) \times ((99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1177 &:= 11 \times (111 - (1+1+1+1)) \\
&:= 22/2 \times (222/2 - (2+2)) \\
&:= (33 \times (33+3)) - 33/3 \\
&:= 44/4 \times (444/4 - 4) \\
&:= 55 + ((5555+55)/5) \\
&:= 66 + (6666/6) \\
&:= 7/7 + (7+7) \times (77+7) \\
&:= 8/8 + ((8 \times (8 \times (8+8) + 8)) + 88) \\
&:= 99/9 \times ((99-9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1178 &:= 1 + (11 \times (111 - (1+1+1+1))) \\
&:= 22 + (2 \times (((22+2)^2) + 2)) \\
&:= ((3-33)/3) + (33 \times (33+3)) \\
&:= 4 + (((4444-4) + 4^4)/4) \\
&:= 555 + (5^5 - 5 - 5)/5 \\
&:= 66 + (6666+6)/6 \\
&:= ((7+7)/7) + (7+7) \times (77+7) \\
&:= (88/8+8) \times (8 \times 8 - ((8+8)/8)) \\
&:= (((99 \times (99+9)) - 9)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1179 &:= (11-1-1) \times ((11 \times (1+11)) - 1) \\
&:= 2 + (22/2 \times (222/2 - (2+2))) \\
&:= 3 \times ((33 \times (3 \times 3+3)) - 3) \\
&:= 4 + ((4444+4^4)/4) \\
&:= 555 + (5^5 - 5)/5 \\
&:= 66 + (((6666+6) + 6)/6) \\
&:= ((7+7+7)/7) + (7+7) \times (77+7) \\
&:= 8 + (((8+8) \times (8 \times 8+8) + (88/8)) + 8) \\
&:= 99 + (999+9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1180 &:= (11-1) \times (11^{1+1} - (1+1+1)) \\
&:= 2 + ((2 \times (((22+2)^2) + 2)) + 22) \\
&:= 3 + ((33 \times (33+3)) - 33/3) \\
&:= (4 \times ((4^4 - 4) + 44)) - 4 \\
&:= 5^5/5 + 555 \\
&:= (66 \times (6+6+6)) - ((6+6)/6+6) \\
&:= 77 + ((7777-7)/7-7) \\
&:= 88 + (((8888-88)/8) - 8) \\
&:= (((99 \times (99+9)) + 9)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1181 &:= 1 + (11-1) \times (11^{1+1} - 1 - 1 - 1) \\
&:= (((22/2+22) + 2)^2) - (2 \times 22) \\
&:= (33 \times (33+3)) - ((3/3+3) + 3) \\
&:= 4 + (44/4 \times (444/4 - 4)) \\
&:= 555 + (5^5 + 5)/5 \\
&:= (66 \times (6+6+6)) - 6/6 - 6 \\
&:= 77 + (7777/7 - 7) \\
&:= 8 + (((8888 - (8+8))/8) + 8 \times 8) \\
&:= 9 \times 9 + ((99/9) \times (9/9+99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1182 &:= 1+1 + (11-1) \times (11^{1+1} - 1 - 1 - 1) \\
&:= 22 + (2 \times (((22+2)^2) + 2) + 2) \\
&:= (33 \times (33+3)) - (3+3) \\
&:= (4 \times ((4^4 - 4) + 44)) - (4+4)/4 \\
&:= 555 + (5^5 + 5+5)/5 \\
&:= (66 \times (6+6+6)) - 6 \\
&:= 7 + ((7+7) \times (77+7) - 7/7) \\
&:= 8 + ((8888 - 8)/8 + 8 \times 8) \\
&:= 9 \times 9 + (((9999 - 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1183 &:= 1111 + (1+11)^{1+1}/(1+1) \\
&:= 222 + (((2/2+2)^2 + 22)^2) \\
&:= (3333 + (3+3)^3)/3 \\
&:= (4 \times ((4^4 - 4) + 44)) - 4/4 \\
&:= 5 + ((5^5 - 5 - 5)/5 + 555) \\
&:= 6 + ((6666/6) + 66) \\
&:= 7 + (7+7) \times (77+7) \\
&:= 8 + (8888/8 + 8 \times 8) \\
&:= 9 \times 9 + (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1184 &:= 11 \times 111 - 111/(1+1+1) \\
&:= 2 \times (((22+2)^2) + 2^{2+2}) \\
&:= (33 \times (33+3)) - (3/3+3) \\
&:= 4 \times ((4^4 - 4) + 44) \\
&:= 5 + ((5^5 - 5)/5 + 555) \\
&:= 6 + ((6666+6)/6 + 66) \\
&:= 7 + ((7+7) \times (77+7) + 7/7) \\
&:= 8 + ((8 \times (8 \times (8+8) + 8)) + 88) \\
&:= 9 \times 9 + ((9999+9)/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1185 &:= 11 \times 111 - (1+1+1) \times (1+11) \\
&:= (2+2+2)^{2+2} - 222/2 \\
&:= (33 \times (33+3)) - 3 \\
&:= 4/4 + (4 \times ((4^4 - 4) + 44)) \\
&:= 5 + (5^5/5 + 555) \\
&:= 6 \times 6 \times 6 \times 6 - 666/6 \\
&:= 7 + ((7+7) \times (77+7) + ((7+7)/7)) \\
&:= (8 - 8/8 + 8) \times (88 - (8/8 + 8)) \\
&:= 9 + ((99 - 9/9) \times ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1186 &:= 11 \times (111 - 1 - 1 - 1) - 1 - 1 \\
&:= 222 + (2 \times (22^2 - 2)) \\
&:= 3/3 + ((33 \times (33+3)) - 3) \\
&:= (4+4)/4 + (4 \times ((4^4 - 4) + 44)) \\
&:= 5 + ((5^5 + 5)/5 + 555) \\
&:= (66 \times (6+6+6)) - (6+6)/6 \\
&:= 77 + ((7777 - 7 - 7)/7) \\
&:= 8 \times 8 + ((8888 + 88)/8) \\
&:= ((99 \times (99+9)) - (9+9))/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1187 &:= 11 \times (111 - 1 - 1 - 1) - 1 \\
&:= 2 + ((2+2+2)^{2+2} - 222/2) \\
&:= (33 \times (33+3)) - 3/3 \\
&:= 4 + ((4 \times ((4^4 - 4) + 44)) - 4/4) \\
&:= 5 + ((5^5 + 5 + 5)/5 + 555) \\
&:= (66 \times (6+6+6)) - 6/6 \\
&:= 77 + (7777 - 7)/7 \\
&:= 8 \times 8 + (((8888 + 88) + 8)/8) \\
&:= ((99 \times (99+9)) - 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1188 &:= 11 \times (111 - 1 - 1 - 1) \\
&:= 22 \times (2 \times (22 + 2 + 2) + 2) \\
&:= 33 \times (33 + 3) \\
&:= 4 + (4 \times ((4^4 - 4) + 44)) \\
&:= (55 - 5/5) \times (55 + 55)/5 \\
&:= 66 \times (6 + 6 + 6) \\
&:= 77 + 7777/7 \\
&:= 88 + ((8888 - 88)/8) \\
&:= 99 \times ((99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1189 &:= 1 + 11 \times (111 - 1 - 1 - 1) \\
&:= 222 + ((2 \times 22^2) - 2/2) \\
&:= 3/3 + (33 \times (33+3)) \\
&:= 4 \times (44 + 4^4) - 44/4 \\
&:= 5 + (((5^5 - 5)/5 + 555) + 5) \\
&:= 6/6 + (66 \times (6+6+6)) \\
&:= 77 + (7777 + 7)/7 \\
&:= ((88/8 + 8) \times (8 \times 8 - 8/8)) - 8 \\
&:= ((99 \times (99+9)) + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1190 &:= (11 - 1) \times (11^{1+1} - 1 - 1) \\
&:= 222 + (2 \times 22^2) \\
&:= 3 + ((33 \times (33+3)) - 3/3) \\
&:= (4 - 44)/4 + 4 \times (44 + 4^4) \\
&:= 5 \times (((5 - (5+5)/5)^5) - 5) \\
&:= (6+6)/6 + (66 \times (6+6+6)) \\
&:= 7 + ((7+7) \times (77+7) + 7) \\
&:= 88 + ((8888 - 8)/8 - 8) \\
&:= (((99 \times (99+9)) + 9) + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1191 &:= 1 + (11 - 1) \times (11^{1+1} - 1 - 1) \\
&:= 2/2 + ((2 \times 22^2) + 222) \\
&:= 3 + (33 \times (33+3)) \\
&:= 4 \times 4 + ((4444 + 4^4)/4) \\
&:= 555 + ((55 + 5^5)/5) \\
&:= (6 \times 6 \times 66 + 6)/((6+6)/6) \\
&:= 7 + (((7+7) \times (77+7) + 7/7) + 7) \\
&:= 88 + (8888/8 - 8) \\
&:= 9 \times 9 + ((9999 - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1192 &:= 1111 + (11 - 1 - 1)^{1+1} \\
&:= 2 + ((2 \times 22^2) + 222) \\
&:= 3 + ((33 \times (33+3)) + 3/3) \\
&:= 4 \times (44 + 4^4) - 4 - 4 \\
&:= 555 + ((55 + 5^5 + 5)/5) \\
&:= 6 + ((66 \times (6+6+6)) - ((6+6)/6)) \\
&:= 7 + (((7+7) \times (77+7) + (7+7)/7) + 7) \\
&:= (8+8) \times (88 - 8) - 88 \\
&:= 9 \times 9 + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1193 &:= 1 + 1111 + (11 - 1 - 1)^{1+1} \\
&:= 2 + (((2 \times 22^2) + 222) + 2/2) \\
&:= 3 + (((33 \times (33+3)) - 3/3) + 3) \\
&:= 4 + (4 \times (44 + 4^4) - 44/4) \\
&:= ((5+5)/5 \times (5^5 - 5)/5) - 55 \\
&:= 6 + ((66 \times (6+6+6)) - 6/6) \\
&:= 7 + (((7777 - 7 - 7)/7) + 77) \\
&:= 8/8 + ((8+8) \times (88 - 8) - 88) \\
&:= 9 \times 9 + (9999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1194 &:= 11 \times 111 - ((1+1+1)^{1+1+1}) \\
&:= 222 + (2 \times (22^2 + 2)) \\
&:= 3 + ((33 \times (33+3)) + 3) \\
&:= 4 \times (44 + 4^4) - ((4+4)/4 + 4) \\
&:= ((5^5 - 5 + 5^5)/5) - 55 \\
&:= 6 + (66 \times (6+6+6)) \\
&:= 7 + ((7777 - 7)/7 + 77) \\
&:= 8 + (((8888 + 88)/8) + 8 \times 8) \\
&:= 9 \times 9 + (((9999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1195 &:= 11 \times 111 - ((1+1) \times (1+1+11)) \\
&:= (2 \times (((22+2)^2) + 22)) - 2/2 \\
&:= 3 + (((33 \times (33+3)) + 3/3) + 3) \\
&:= 4 \times (44 + 4^4) - (4/4 + 4) \\
&:= 5 \times 5 \times 5 \times (5+5) - 55 \\
&:= 6 + ((66 \times (6+6+6)) + 6/6) \\
&:= 7 + (7777/7 + 77) \\
&:= 8 + (((8888 + 88) + 8)/8) + 8 \times 8 \\
&:= 9 + (((99 \times (99+9)) - (9+9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1196 &:= (11 \times (111 - 1 - 1)) - 1 - 1 - 1 \\
&:= 2 \times (((22+2)^2) + 22) \\
&:= 3 \times 3 + ((33 \times (33+3)) - 3/3) \\
&:= 4 \times (44 + 4^4) - 4 \\
&:= ((5^5 + 5^5 + 5)/5) - 55 \\
&:= 6 + ((66 \times (6+6+6)) + ((6+6)/6)) \\
&:= 7 + ((7777 + 7)/7 + 77) \\
&:= 8 + (((8888 - 88)/8) + 88) \\
&:= 9 + (((99 \times (99+9)) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1197 &:= (11 \times (111 - 1 - 1)) - 1 - 1 \\
&:= 2/2 + (2 \times (((22+2)^2) + 22)) \\
&:= 3 \times ((33 \times (3 \times 3 + 3)) + 3) \\
&:= 4/4 + (4 \times (44 + 4^4) - 4) \\
&:= ((5+5)/5 \times (5^5 + 5)/5) - 55 \\
&:= 6 + ((6 \times 6 \times 66 + 6)/((6+6)/6)) \\
&:= 7 + (((7+7) \times (77+7) + 7) + 7) \\
&:= (88/8 + 8) \times (8 \times 8 - 8/8) \\
&:= 9 + (99 \times ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1198 &:= (11 \times (111 - 1 - 1)) - 1 \\
&:= 2 + (2 \times ((22 + 2)^2 + 22)) \\
&:= 3 \times 3 + ((33 \times (33 + 3)) + 3/3) \\
&:= 4 \times (44 + 4^4) - (4 + 4)/4 \\
&:= (5 + 5)/5 \times ((5^5 - 5)/5 - 5 \times 5) \\
&:= ((66 - 6)/6) + (66 \times (6 + 6 + 6)) \\
&:= 7 + (((7 + 7) \times (77 + 7) + 7/7) + 7) + 7 \\
&:= 88 + (8888 - 8)/8 \\
&:= 9 + (((99 \times (99 + 9)) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1199 &:= 11 \times (111 - 1 - 1) \\
&:= 22/2 \times (222/2 - 2) \\
&:= 33/3 + (33 \times (33 + 3)) \\
&:= 4 \times (44 + 4^4) - 4/4 \\
&:= (5 + 5) \times (5 \times 5 \times 5 - 5) - 5/5 \\
&:= 66/6 + (66 \times (6 + 6 + 6)) \\
&:= 77 + ((7777 + 77)/7) \\
&:= 88 + 8888/8 \\
&:= 99/9 \times (9/9 + 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1200 &:= 1 + (11 \times (111 - 1 - 1)) \\
&:= (2/2 + 2) \times (22 - 2)^2 \\
&:= 3 + ((33 \times (33 + 3)) + 3 \times 3) \\
&:= 4 \times (44 + 4^4) \\
&:= (5 + 5) \times (5 \times 5 \times 5 - 5) \\
&:= 6 + ((66 \times (6 + 6 + 6)) + 6) \\
&:= (7 \times 7 - 7/7) \times (77/7 + 7 + 7) \\
&:= (8 + 8) \times (88/8 + 8 \times 8) \\
&:= (9/9 + 9) \times (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1201 &:= 1 + (1 + (11 \times (111 - 1 - 1))) \\
&:= 2 + (22/2 \times (222/2 - 2)) \\
&:= (3 \times (3^3 + 3)) + 3333/3 \\
&:= 4/4 + 4 \times (44 + 4^4) \\
&:= 5/5 + (5 + 5) \times (5 \times 5 \times 5 - 5) \\
&:= 6 + (((66 \times (6 + 6 + 6)) + 6/6) + 6) \\
&:= (7 \times 7 \times 7 \times 7 + 7/7)/((7 + 7)/7) \\
&:= 8/8 + ((8 + 8) \times (88/8 + 8 \times 8)) \\
&:= 9 + (9999/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1202 &:= 1 + (1 + (1 + (11 \times (111 - 1 - 1)))) \\
&:= 2 + ((2/2 + 2) \times (22 - 2)^2) \\
&:= 3 + ((33 \times (33 + 3)) + 33/3) \\
&:= (4 + 4)/4 + 4 \times (44 + 4^4) \\
&:= (5 + 5)/5 + (5 + 5) \times (5 \times 5 \times 5 - 5) \\
&:= 6 + (((66 \times (6 + 6 + 6)) + ((6 + 6)/6)) + 6) \\
&:= 7 + ((7777/7 + 77) + 7) \\
&:= (88/8 \times (888 - 8)/8) - 8 \\
&:= 9 + ((9999 + 9)/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1203 &:= 1 + (1 + (1 + (1 + (11 \times (111 - 1 - 1)))))) \\
&:= (2/2 + 2) \times ((22 - 2)^2 + 2/2) \\
&:= ((3 + 3) \times (33 \times (3 + 3) + 3)) - 3 \\
&:= 4 + (4 \times (44 + 4^4) - 4/4) \\
&:= 5 + ((5 + 5)/5 \times ((5^5 - 5)/5 - 5 \times 5)) \\
&:= ((6 \times (6 \times 66 + 6)) - 6)/((6 + 6)/6) \\
&:= (77/7 \times (777 - 7)/7) - 7 \\
&:= 88/8 + ((8 + 8) \times (88 - 8) - 88) \\
&:= 9 \times 9 + ((9999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1204 &:= (11 \times (111 - 1)) - ((1 + 1) \times (1 + 1 + 1)) \\
&:= 2 + (((2/2 + 2) \times (22 - 2)^2) + 2) \\
&:= (33 \times ((3 + 3)^3 + 3) - 3)/(3 + 3) \\
&:= 4 + 4 \times (44 + 4^4) \\
&:= 5 + ((5 + 5) \times (5 \times 5 \times 5 - 5) - 5/5) \\
&:= ((66/6) \times ((666 - 6)/6)) - 6 \\
&:= 7 \times ((7 \times 7 \times 7 \times 7 + 7)/(7 + 7)) \\
&:= 8 \times (8 \times 8 + 88) - (88 + 8)/8 \\
&:= 9 + (((99 \times (99 + 9)) - (9 + 9))/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1205 &:= 11 \times 111 - ((1 + 1)^{1+1+1+1}) \\
&:= (2/2 + 2 + 2) \times (22^2 - 2)/2 \\
&:= ((33/3)^3) - (3 \times 33 + 3^3) \\
&:= 4 + (4 \times (44 + 4^4) + 4/4) \\
&:= 5 + (5 + 5) \times (5 \times 5 \times 5 - 5) \\
&:= 6 + ((66 \times (6 + 6 + 6)) + (66/6)) \\
&:= 7/7 + ((77 \times (7 + 7) + 77) + 7 \times 7) \\
&:= 8 \times (8 \times 8 + 88) - 88/8 \\
&:= 9 + (((99 \times (99 + 9)) - 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1206 &:= (11 \times (111 - 1)) - 1 - 1 - 1 - 1 \\
&:= (2/2 + 2) \times ((22 - 2)^2 + 2) \\
&:= (3 + 3) \times (33 \times (3 + 3) + 3) \\
&:= 4 + (4 \times (44 + 4^4) + (4 + 4)/4) \\
&:= 5 + ((5 + 5) \times (5 \times 5 \times 5 - 5) + 5/5) \\
&:= (6 + 6 + 6) \times (66 + 6/6) \\
&:= 77 \times (7 + 7) + ((7 + 7)/7)^7 \\
&:= 8 + ((8888 - 8)/8 + 88) \\
&:= 9 + ((99 \times ((99 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1207 &:= (11 \times (111 - 1)) - 1 - 1 - 1 \\
&:= 2 + ((2/2 + 2 + 2) \times (22^2 - 2)/2) \\
&:= 3/3 + ((3 + 3) \times (33 \times (3 + 3) + 3)) \\
&:= 4 + ((4 \times (44 + 4^4) - 4/4) + 4) \\
&:= 5 + ((5 + 5) \times (5 \times 5 \times 5 - 5) + ((5 + 5)/5)) \\
&:= 6/6 + ((6 + 6 + 6) \times (66 + 6/6)) \\
&:= 77/7 \times 777/7 - (7 + 7) \\
&:= 8 + (8888/8 + 88) \\
&:= 9 + (((99 \times (99 + 9)) + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1208 &:= (11 \times (111 - 1)) - 1 - 1 \\
&:= 2 + ((2/2 + 2) \times ((22 - 2)^2 + 2)) \\
&:= 3 + (((33/3)^3) - (3 \times 33 + 3^3)) \\
&:= 4 + (4 \times (44 + 4^4) + 4) \\
&:= (5 + 5)/5 \times ((55 \times 55 - 5)/5) \\
&:= (6 + 6)/6 + ((6 + 6 + 6) \times (66 + 6/6)) \\
&:= 7 \times (7 + 7) + (7777 - 7)/7 \\
&:= 8 \times (8 \times 8 + 88) - 8 \\
&:= 9 + ((99/9) \times (9/9 + 99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1209 &:= (11 \times (111 - 1)) - 1 \\
&:= (2 \times 22^2) + (22^2 - 2)/2 \\
&:= 3 + ((3 + 3) \times (33 \times (3 + 3) + 3)) \\
&:= 4 + ((4 \times (44 + 4^4) + 4/4) + 4) \\
&:= (55 \times (55 + 55) - 5)/5 \\
&:= ((6 \times (6 \times 66 + 6)) + 6)/((6 + 6)/6) \\
&:= 7 \times (7 + 7) + 7777/7 \\
&:= 8/8 + (8 \times (8 \times 8 + 88) - 8) \\
&:= 99 + ((9999 - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1210 &:= 11 \times (111 - 1) \\
&:= 2 \times ((22/2)^2 + 22^2) \\
&:= 3 \times 33 + 3333/3 \\
&:= 44/4 \times (444 - 4)/4 \\
&:= 55 \times (55 + 55)/5 \\
&:= 66/6 \times ((666 - 6)/6) \\
&:= 77/7 \times (777 - 7)/7 \\
&:= 88/8 \times (888 - 8)/8 \\
&:= 99 + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1211 &:= 1 + (11 \times (111 - 1)) \\
&:= (2 \times 22^2) + (22^2 + 2)/2 \\
&:= 3 \times 33 + ((3333 + 3)/3) \\
&:= 44/4 + 4 \times (44 + 4^4) \\
&:= (55 \times (55 + 55) + 5)/5 \\
&:= ((66 \times ((666 - 6)/6)) + 6)/6 \\
&:= (7 \times (7 \times (7 + 7) + 77)) - (7 + 7) \\
&:= ((88 \times (888 - 8)/8) + 8)/8 \\
&:= 99 + (9999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1212 &:= 1 + (1 + (11 \times (111 - 1))) \\
&:= 2 + ((2 \times 22^2) + 22^2/2) \\
&:= 3^3 + ((33 \times (33 + 3)) - 3) \\
&:= (4 \times ((44 + 4^4) + 4)) - 4 \\
&:= (5 + 5)/5 \times ((55 \times 55 + 5)/5) \\
&:= 6 + ((6 + 6 + 6) \times (66 + 6/6)) \\
&:= 7/7 + ((7 \times (7 \times (7 + 7) + 77)) - (7 + 7)) \\
&:= 8 \times (8 \times 8 + 88) - (8/((8 + 8)/8)) \\
&:= ((99/9) \times 999/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1213 &:= 1 + (1 + (1 + (11 \times (111 - 1)))) \\
&:= 22^2 + ((2/2 + 2)^{2+2+2}) \\
&:= 3 + (3333/3 + 3 \times 33) \\
&:= 4/4 + ((4 \times ((44 + 4^4) + 4)) - 4) \\
&:= (5 \times ((5 - (5 + 5)/5)^5)) - (5 + 5)/5 \\
&:= 6 \times 6 + ((6666/6) + 66) \\
&:= 7 + (77 \times (7 + 7) + ((7 + 7)/7)^7) \\
&:= 88/8 \times 888/8 - 8 \\
&:= (((99 \times 999/9) + 9)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1214 &:= 1 + (1 + (1 + (1 + (11 \times (111 - 1)))))) \\
&:= 2 \times (((22/2)^2 + 22^2) + 2) \\
&:= 3^3 + ((33 \times (33 + 3)) - 3/3) \\
&:= 4 + (44/4 \times (444 - 4)/4) \\
&:= (5 \times ((5 - (5 + 5)/5)^5)) - 5/5 \\
&:= (((66 \times 666/6) - 6)/6) - 6 \\
&:= 77/7 \times 777/7 - 7 \\
&:= 8 \times (8 \times 8 + 88) - (8 + 8)/8 \\
&:= 9 \times 99 + ((9 + 9) \times (9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1215 &:= 11 \times 111 - ((1 + 1) \times (1 + 1 + 1)) \\
&:= (2/2 + 2 + 2) \times (22^2 + 2)/2 \\
&:= 3 \times (3^3 \times ((3 \times 3 + 3) + 3)) \\
&:= (44/4 + 4) \times (4 - 4/4)^4 \\
&:= 5 \times ((5 - (5 + 5)/5)^5) \\
&:= ((66/6) \times 666/6) - 6 \\
&:= ((7 + 7)/7 + 7) \times (((7 + 7)/7)^7 + 7) \\
&:= 8 \times (8 \times 8 + 88) - 8/8 \\
&:= 9 \times (((99 + 9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1216 &:= 11 \times 111 - 1 - 1 - 1 - 1 - 1 \\
&:= 2 \times ((2 \times 2^{2+2}) + ((22 + 2)^2)) \\
&:= (3 + 3)^3 + ((3 \times 3 + 3/3)^3) \\
&:= 4 \times ((44 + 4^4) + 4) \\
&:= 5/5 + (5 \times ((5 - (5 + 5)/5)^5)) \\
&:= 6 + ((66/6) \times ((666 - 6)/6)) \\
&:= 7 + (7777/7 + 7 \times (7 + 7)) \\
&:= 8 \times (8 \times 8 + 88) \\
&:= 9/9 + ((9 + 9) \times (9 + 9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1217 &:= 11 \times 111 - 1 - 1 - 1 - 1 \\
&:= (22/2 \times 222/2) - 2 - 2 \\
&:= ((33/3)^3) - (333/3 + 3) \\
&:= 4/4 + (4 \times ((44 + 4^4) + 4)) \\
&:= (5 + 5)/5 + (5 \times ((5 - (5 + 5)/5)^5)) \\
&:= (6 \times (6 \times 6 \times 6 - (6 + 6))) - 6/6 - 6 \\
&:= 7 + (77/7 \times (777 - 7)/7) \\
&:= 8/8 + 8 \times (8 \times 8 + 88) \\
&:= 9 + (((99/9) \times (9/9 + 99 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1218 &:= 11 \times 111 - 1 - 1 - 1 \\
&:= 22 + (2 \times (((22 + 2)^2) + 22)) \\
&:= 3 + ((33 \times (33 + 3)) + 3^3) \\
&:= (4 + 4)/4 + (4 \times ((44 + 4^4) + 4)) \\
&:= (5 + 5)/5 \times (((5^5 - 55)/5) - 5) \\
&:= (6 \times (6 \times 6 \times 6 - (6 + 6))) - 6 \\
&:= (7 \times (7 \times (7 + 7) + 77)) - 7 \\
&:= (8 + 8)/8 + 8 \times (8 \times 8 + 88) \\
&:= 9 + (((9999 - 9)/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1219 &:= 11 \times 111 - 1 - 1 \\
&:= (22/2 \times 222/2) - 2 \\
&:= 3 + (((3 \times 3 + 3/3)^3) + (3 + 3)^3) \\
&:= 4 + ((44/4 + 4) \times (4 - 4/4)^4) \\
&:= 5 + ((5 \times ((5 - (5 + 5)/5)^5)) - 5/5) \\
&:= ((6 \times 6 - 6/6)^{(6+6)/6}) - 6 \\
&:= 7/7 + ((7 \times (7 \times (7 + 7) + 77)) - 7) \\
&:= 88/8 + (8 \times (8 \times 8 + 88) - 8) \\
&:= 9 + (9999/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1220 &:= 11 \times 111 - 1 \\
&:= ((22 \times 222/2) - 2)/2 \\
&:= ((33/3)^3) - 333/3 \\
&:= 4 + (4 \times ((44 + 4^4) + 4)) \\
&:= 5 + (5 \times ((5 - (5 + 5)/5)^5)) \\
&:= ((66 \times 666/6) - 6)/6 \\
&:= (77 \times 777/7 - 7)/7 \\
&:= ((88 \times 888/8) - 8)/8 \\
&:= ((99 \times 999/9) - 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1221 &:= 11 \times 111 \\
&:= 22/2 \times 222/2 \\
&:= 33 + (33 \times (33 + 3)) \\
&:= 44/4 \times 444/4 \\
&:= 55/5 \times 555/5 \\
&:= 66/6 \times 666/6 \\
&:= 77/7 \times 777/7 \\
&:= 88/8 \times 888/8 \\
&:= 99/9 \times 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1222 &:= 1 + 11 \times 111 \\
&:= ((22 \times 222/2) + 2)/2 \\
&:= ((33 \times 333/3) + 3)/3 \\
&:= ((44 \times 444/4) + 4)/4 \\
&:= ((55 \times 555/5) + 5)/5 \\
&:= ((66 \times 666/6) + 6)/6 \\
&:= (77 \times 777/7 + 7)/7 \\
&:= ((88 \times 888/8) + 8)/8 \\
&:= ((99 \times 999/9) + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1223 &:= 1 + (1 + 11 \times 111) \\
&:= 2 + (22/2 \times 222/2) \\
&:= ((33/3)^3) - (3 \times (33 + 3)) \\
&:= (((44 \times 444/4) + 4) + 4)/4 \\
&:= (5 \times (5 \times 5 \times (5 + 5) - 5)) - (5 + 5)/5 \\
&:= (6 \times (6 \times 6 \times 6 - (6 + 6))) - 6/6 \\
&:= (7 \times (7 \times (7 + 7) + 77)) - (7 + 7)/7 \\
&:= 8 + (8 \times (8 \times 8 + 88) - 8/8) \\
&:= 9 \times 9 \times 9 + (((9 + 9)/9)^9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1224 &:= 1 + (1 + (1 + 11 \times 111)) \\
&:= (2 \times 22^2) + 2^{2 \times (2+2)} \\
&:= 333 + (33 \times 3^3) \\
&:= 4 + ((4 \times ((44 + 4^4) + 4)) + 4) \\
&:= (5 \times (5 \times 5 \times (5 + 5) - 5)) - 5/5 \\
&:= 6 \times (6 \times 6 \times 6 - (6 + 6)) \\
&:= (7 \times (7 \times (7 + 7) + 77)) - 7/7 \\
&:= 8 + 8 \times (8 \times 8 + 88) \\
&:= (9 - 9/9) \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1225 &:= 1 + (1 + (1 + (1 + 11 \times 111))) \\
&:= ((22/2 + 22) + 2)^2 \\
&:= ((33 - 3/3) + 3)^{3-3/3} \\
&:= 4 + (44/4 \times 444/4) \\
&:= 5 \times (5 \times 5 \times (5 + 5) - 5) \\
&:= (6 \times 6 - 6/6)^{(6+6)/6} \\
&:= 7 \times (7 \times (7 + 7) + 77) \\
&:= 8 + (8 \times (8 \times 8 + 88) + 8/8) \\
&:= 9/9 + ((9 - 9/9) \times (9 \times (9 + 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1226 &:= 1 + (1 + (1 + (1 + (1 + 11 \times 111)))) \\
&:= 2 + ((2 \times 22^2) + 2^{2 \times (2+2)}) \\
&:= 3 + (((33/3)^3) - (3 \times (33 + 3))) \\
&:= 4 + (((44 \times 444/4) + 4)/4) \\
&:= 5 + 55/5 \times 555/5 \\
&:= 6 + (((66 \times 666/6) - 6)/6) \\
&:= 7/7 + (7 \times (7 \times (7 + 7) + 77)) \\
&:= 8 + (8 \times (8 \times 8 + 88) + ((8 + 8)/8)) \\
&:= (9 + 9)/9 + ((9 - 9/9) \times (9 \times (9 + 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1227 &:= 11 \times 111 + ((1 + 1) \times (1 + 1 + 1)) \\
&:= 2 + (((22/2 + 22) + 2)^2) \\
&:= 3 + ((33 \times 3^3) + 333) \\
&:= 44/4 + (4 \times ((44 + 4^4) + 4)) \\
&:= 5 + (((55 \times 555/5) + 5)/5) \\
&:= 6 + ((66/6) \times 666/6) \\
&:= 7 + ((77 \times 777/7 - 7)/7) \\
&:= 88/8 + 8 \times (8 \times 8 + 88) \\
&:= 9 + (((9999 - 9)/9) + 99) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1228 &:= (11 \times (1 + 111)) - 1 - 1 - 1 - 1 \\
&:= 2 \times ((2 \times (22 \times (2^{2+2} - 2))) - 2) \\
&:= 3 + (((33 - 3/3) + 3)^{3-3/3}) \\
&:= 44 \times (44 - 4 \times 4) - 4 \\
&:= (5 + 5)/5 \times ((5^5 - 55)/5) \\
&:= 6 + (((66 \times 666/6) + 6)/6) \\
&:= 7 + 77/7 \times 777/7 \\
&:= 8 + (((88 \times 888/8) - 8)/8) \\
&:= 9 + ((9999/9 + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1229 &:= (11 \times (1 + 111)) - 1 - 1 - 1 \\
&:= 2 + (((22/2 + 22) + 2)^2) + 2) \\
&:= ((33/3)^3) - (3 \times 33 + 3) \\
&:= 4 + ((44/4 \times 444/4) + 4) \\
&:= ((55 \times 55 - 5) + 5^5)/5 \\
&:= 6 \times 6 \times 6 \times 6 - (66 + 6/6) \\
&:= 7 + ((77 \times 777/7 + 7)/7) \\
&:= 8 + 88/8 \times 888/8 \\
&:= 9 + (((99 \times 999/9) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1230 &:= (11 \times (1 + 111)) - 1 - 1 \\
&:= (2 \times (2 + 2) + 2) \times ((22/2)^2 + 2) \\
&:= (3 + 3) \times ((3 + 3)^3 - 33/3) \\
&:= (4/4 + 4) \times ((4 - 44)/4 + 4^4) \\
&:= 5 + (5 \times (5 \times 5 \times (5 + 5) - 5)) \\
&:= 6 \times 6 \times 6 \times 6 - 66 \\
&:= (7 - 7/7) \times (((7 + 7)/7)^7 + 77) \\
&:= 8 + (((88 \times 888/8) + 8)/8) \\
&:= 9 + ((99/9) \times 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1231 &:= (11 \times (1 + 111)) - 1 \\
&:= ((22 \times (222 + 2)/2) - 2)/2 \\
&:= ((33/3)^3) - (3 \times 33 + 3/3) \\
&:= 44 \times (44 - 4 \times 4) - 4/4 \\
&:= ((55 \times 55 + 5^5) + 5)/5 \\
&:= 6 + ((6 \times 6 - 6/6)^{(6+6)/6}) \\
&:= 7 + ((7 \times (7 \times (7 + 7) + 77)) - 7/7) \\
&:= 8 + ((8 \times (8 \times 8 + 88) - 8/8) + 8) \\
&:= 9 + (((99 \times 999/9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1232 &:= 11 \times (1 + 111) \\
&:= 2 \times (2 \times (22 \times (2^{2+2} - 2))) \\
&:= ((33/3)^3) - 3 \times 33 \\
&:= 44 \times (44 - 4 \times 4) \\
&:= 55/5 \times (555 + 5)/5 \\
&:= 66/6 \times (666 + 6)/6 \\
&:= 7 + (7 \times (7 \times (7 + 7) + 77)) \\
&:= 8 + (8 \times (8 \times 8 + 88) + 8) \\
&:= 9 \times 9 \times 9 + (((9 + 9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1233 &:= 1 + (11 \times (1 + 111)) \\
&:= ((22 \times (222 + 2)/2) + 2)/2 \\
&:= 3 \times ((3 \times 3^3 - 3) + 333) \\
&:= 4/4 + 44 \times (44 - 4 \times 4) \\
&:= 5 + ((5 + 5)/5 \times ((5^5 - 55)/5)) \\
&:= 6 + (((66/6) \times 666/6) + 6) \\
&:= 7 + ((7 \times (7 \times (7 + 7) + 77)) + 7/7) \\
&:= 8 + ((8 \times (8 \times 8 + 88) + 8/8) + 8) \\
&:= 9 + ((9 - 9/9) \times (9 \times (9 + 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1234 &:= 1 + (1 + (11 \times (1 + 111))) \\
&:= 2 + (2 \times (2 \times (22 \times (2^{2+2} - 2)))) \\
&:= (33 \times 3^3) + (((3/3 + 3) + 3)^3) \\
&:= (4 + 4)/4 + 44 \times (44 - 4 \times 4) \\
&:= (((5^5 - 55) + 5^5)/5) - 5 \\
&:= 6 + (((66 \times 666/6) + 6)/6) + 6) \\
&:= 7 + (((77 \times 777/7 - 7)/7) + 7) \\
&:= 8 + ((8 \times (8 \times 8 + 88) + ((8 + 8)/8)) + 8) \\
&:= 9 + (((9 - 9/9) \times (9 \times (9 + 9) - 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1235 &:= 1 + (1 + (1 + (11 \times (1 + 111)))) \\
&:= 2 + (((22 \times (222 + 2)/2) + 2)/2) \\
&:= 3 + (((33/3)^3) - 3 \times 33) \\
&:= 4 + (44 \times (44 - 4 \times 4) - 4/4) \\
&:= 5 + ((5 \times (5 \times 5 \times (5 + 5) - 5)) + 5) \\
&:= 6 + (6 \times 6 \times 6 \times 6 - (66 + 6/6)) \\
&:= 7 + (77/7 \times 777/7 + 7) \\
&:= (88/8 + 8) \times (8/8 + 8 \times 8) \\
&:= 99/9 + ((9 - 9/9) \times (9 \times (9 + 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1236 &:= 1 + (1 + (1 + (1 + (11 \times (1 + 111)))))) \\
&:= 2 \times ((2 \times (22 \times (2^{2+2} - 2))) + 2) \\
&:= 3 + (3 \times ((3 \times 3^3 - 3) + 333)) \\
&:= 4 + 44 \times (44 - 4 \times 4) \\
&:= 5 \times 5 \times 5 + 5555/5 \\
&:= 6 + (6 \times 6 \times 6 \times 6 - 66) \\
&:= 77/7 + (7 \times (7 \times (7 + 7) + 77)) \\
&:= ((88 + 8)/8) \times (888/8 - 8) \\
&:= ((9 + 9)/9) \times (9 \times 9 \times 9 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1237 &:= 1 + (1 + (1 + (1 + (1 + (11 \times (1 + 111)))))) \\
&:= 2^{2+2} + (22/2 \times 222/2) \\
&:= 3 + (((3/3 + 3) + 3)^3) + (33 \times 3^3) \\
&:= 4 + (44 \times (44 - 4 \times 4) + 4/4) \\
&:= 5 + (55/5 \times (555 + 5)/5) \\
&:= 6 + (((6 \times 6 - 6/6)^{(6+6)/6}) + 6) \\
&:= 77 + (7777/7 + 7 \times 7) \\
&:= 8 + (88/8 \times 888/8 + 8) \\
&:= 9 + (((9999/9 + 99) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1238 &:= ((1 + 1) \times (1 + 1 + 1)) + (11 \times (1 + 111)) \\
&:= (2 \times (((22 + 2)^2) + 2 \times 22)) - 2 \\
&:= 3 + (((33/3)^3) - 3 \times 33) + 3) \\
&:= ((4 + 4)/4 \times ((4/4 + 4)^4 - 4)) - 4 \\
&:= (5 + 5)/5 \times ((5^5 - 5)/5 - 5) \\
&:= 6 + ((66/6) \times (666 + 6)/6) \\
&:= (7 \times (((7 + 7)/7)^7 + 7 \times 7)) - 7/7 \\
&:= 8 \times (8 + 8) + (8888 - 8)/8 \\
&:= 9 + (((99 \times 999/9) - 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1239 &:= 11 \times 111 + (1 + 1) \times (11 - 1 - 1) \\
&:= (2222 + 2^{2 \times (2+2)})/2 \\
&:= (3 \times (3 \times 3^3 + 333)) - 3 \\
&:= 4 \times 4 \times (4 + 4) + 4444/4 \\
&:= ((5^5 - 55) + 5^5)/5 \\
&:= (6/6 + 6) \times (666/6 + 66) \\
&:= 7 \times (((7 + 7)/7)^7 + 7 \times 7) \\
&:= 8 \times (8 + 8) + 8888/8 \\
&:= 9 + (((99/9) \times 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1240 &:= (11 - 1) \times (1 + (1 + (1 + 11^{1+1}))) \\
&:= 2 \times (((22 + 2)^2) + 2 \times 22) \\
&:= 3/3 + ((3 \times (3 \times 3^3 + 333)) - 3) \\
&:= (4/4 + 4) \times (4^4 - 4 - 4) \\
&:= 5 \times (((5 - (5 + 5)/5)^5) + 5) \\
&:= 6 \times 6 \times 6 + (((6 + 6)/6)^{(66-6)/6}) \\
&:= 7/7 + (7 \times (((7 + 7)/7)^7 + 7 \times 7)) \\
&:= 88 + (8 + 8) \times (8 \times 8 + 8) \\
&:= 9 \times 9 \times 9 + (((9 + 9)/9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1241 &:= (11 \times (1 + 1 + 111)) - 1 - 1 \\
&:= (22/2 \times (222/2 + 2)) - 2 \\
&:= 3^{3+3} + ((3 - 3/3)^{3 \times 3}) \\
&:= 4/4 + ((4/4 + 4) \times (4^4 - 4 - 4)) \\
&:= ((5/5 + 5)^{5-5/5}) - 55 \\
&:= 66/6 + (6 \times 6 \times 6 \times 6 - 66) \\
&:= ((7 + 7)/7) + (7 \times (((7 + 7)/7)^7 + 7 \times 7)) \\
&:= 8/8 + ((8 + 8) \times (8 \times 8 + 8) + 88) \\
&:= 9 \times 9 \times 9 + (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1242 &:= (11 \times (1 + 1 + 111)) - 1 \\
&:= 2 + (2 \times (((22 + 2)^2) + 2 \times 22)) \\
&:= 3 \times (3 \times 3^3 + 333) \\
&:= (4 + 4)/4 \times ((4/4 + 4)^4 - 4) \\
&:= (5 + 5)/5 \times ((5^5 + 5)/5 - 5) \\
&:= 6 + ((6 \times 6 \times 6 \times 6 - 66) + 6) \\
&:= (77/7 + 7) \times (77 - (7/7 + 7)) \\
&:= 88 + ((8 + 8) \times (8 \times 8 + 8) + ((8 + 8)/8)) \\
&:= 999 + 9 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1243 &:= 11 \times (1 + 1 + 111) \\
&:= 22/2 \times (222/2 + 2) \\
&:= 3/3 + (3 \times (3 \times 3^3 + 333)) \\
&:= 44 + (4 \times (44 + 4^4) - 4/4) \\
&:= ((5+5)/5 \times (5^5 - 5)/5) - 5 \\
&:= 66 + ((6666/6) + 66) \\
&:= 77/7 \times (777 + 7 + 7)/7 \\
&:= 8 + ((88/8 + 8) \times (8/8 + 8 \times 8)) \\
&:= 9/9 + (9 \times (9 + 9 + 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1244 &:= 1 + (11 \times (1 + 1 + 111)) \\
&:= 2 \times ((22 - 2)^2 + 222) \\
&:= 3 + (((3 - 3/3)^{3 \times 3}) + 3^{3 \times 3}) \\
&:= 44 + 4 \times (44 + 4^4) \\
&:= ((5^5 - 5 + 5^5)/5) - 5 \\
&:= 6 + (((66/6) \times (666 + 6)/6) + 6) \\
&:= (7 \times (7 + 7) \times (7 + 7)) - ((7 + 7)/7)^7 \\
&:= 8 + (((88 + 8)/8) \times (888/8 - 8)) \\
&:= (9 + 9)/9 + (9 \times (9 + 9 + 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1245 &:= 1 + (1 + (11 \times (1 + 1 + 111))) \\
&:= 2 + (22/2 \times (222/2 + 2)) \\
&:= 3 + (3 \times (3 \times 3^3 + 333)) \\
&:= 44 + (4 \times (44 + 4^4) + 4/4) \\
&:= 5 \times 5 \times 5 \times (5 + 5) - 5 \\
&:= 6 + ((6/6 + 6) \times (666/6 + 66)) \\
&:= (7/7 + 7 + 7) \times (77 - 7/7 + 7) \\
&:= 8 + ((88/8 \times 888/8 + 8) + 8) \\
&:= 999/9 + (9 \times (99 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1246 &:= 1 + (1 + (1 + (11 \times (1 + 1 + 111)))) \\
&:= 2 \times (((2/2 + 2 + 2)^{2+2}) - 2) \\
&:= 3 + ((3 \times (3 \times 3^3 + 333)) + 3/3) \\
&:= (4 + 4)/4 \times (4/4 + 4^4 - 4) \\
&:= ((5^5 + 5^5 + 5)/5) - 5 \\
&:= 6 \times 6 + (((66/6) \times ((666 - 6)/6)) \\
&:= 7 + (7 \times (((7 + 7)/7)^7 + 7 \times 7)) \\
&:= (8/8 + 88) \times ((8 - (8 + 8)/8) + 8) \\
&:= 999 + (((9 + 9)/9)^{9-9/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1247 &:= 1 + (1 + (1 + (1 + (11 \times (1 + 1 + 111)))))) \\
&:= 22 + (((22/2 + 22) + 2)^2) \\
&:= ((33/3)^3) - (3 \times 3^3 + 3) \\
&:= 4^4 + ((4 \times (4^4 - 4 - 4)) - 4/4) \\
&:= ((5 + 5)/5 \times (5^5 + 5)/5) - 5 \\
&:= (6 \times (6 \times 6 \times 6 - 6)) - (6/6 + 6 + 6) \\
&:= (7 - 7/7)^{77/7-7} - 7 \times 7 \\
&:= 8 + (8888/8 + 8 \times (8 + 8)) \\
&:= 9 + (((99 \times 999/9) - 9)/9) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1248 &:= (1 + 1) \times ((1 + (1 + 1) \times (1 + 11))^{1+1} - 1) \\
&:= 2 \times ((22 + 2) \times (22 + 2 + 2)) \\
&:= (33 + 3 + 3) \times (33 - 3/3) \\
&:= 4^4 + (4 \times (4^4 - 4 - 4)) \\
&:= (5 + 5)/5 \times (5^5 - 5)/5 \\
&:= (6 \times (6 \times 6 \times 6 - 6)) - 6 - 6 \\
&:= (77 + 7)/7 \times (777/7 - 7) \\
&:= 8 + ((8 + 8) \times (8 \times 8 + 8) + 88) \\
&:= 9 + (((99/9) \times 999/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1249 &:= ((1 + 1) \times (1 + (1 + 1) \times (1 + 11))^{1+1}) - 1 \\
&:= (((2 \times (22 + 2)) + 2)^2) - 2)/2 \\
&:= ((33/3)^3) - (3 \times 3^3 + 3/3) \\
&:= (((4 + 4) \times (4/4 + 4^4) - 4)/4) \\
&:= (5^5 - 5 + 5^5)/5 \\
&:= (6 \times (6 \times 6 \times 6 - 6)) - 66/6 \\
&:= 7 + ((77/7 + 7) \times (77 - (7/7 + 7))) \\
&:= (((88 + 8) \times (88 + 8 + 8)) + 8)/8 \\
&:= 9 + (((9 + 9)/9)^9) - 9/9 + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1250 &:= (1 + 1) \times (1 + (1 + 1) \times (1 + 11))^{1+1} \\
&:= 2 \times ((2/2 + 2 + 2)^{2+2}) \\
&:= ((33/3)^3) - 3 \times 3^3 \\
&:= (4 + 4)/4 \times (4/4 + 4^4) \\
&:= 5 \times 5 \times 5 \times (5 + 5) \\
&:= ((6 - 66)/6) + (6 \times (6 \times 6 \times 6 - 6)) \\
&:= (7/7 + 7 \times 7) \times (77/7 + 7 + 7) \\
&:= (((8 + 8)/8) + 8)^{8 \times 8/(8+8)}/8 \\
&:= 9 + (((9 + 9)/9)^9) + 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1251 &:= 1 + ((1 + 1) \times (1 + (1 + 1) \times (1 + 11))^{1+1}) \\
&:= (((2 \times (22 + 2)) + 2)^2) + 2)/2 \\
&:= 3 \times ((3 \times 3^3 + 333) + 3) \\
&:= (((4 + 4) \times (4/4 + 4^4) + 4)/4) \\
&:= (5^5 + 5^5 + 5)/5 \\
&:= 6 \times 6 + (((66/6) \times 666/6) - 6) \\
&:= 7 + ((7 \times (7 + 7) \times (7 + 7)) - ((7 + 7)/7)^7) \\
&:= (8/8 + 8) \times (8 \times (8 + 8) + (88/8)) \\
&:= 9 + (9 \times (9 + 9 + 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1252 &:= (11 \times (1 + (1 + 1 + 111))) - 1 - 1 \\
&:= 2 + (2 \times ((2/2 + 2 + 2)^{2+2})) \\
&:= ((3/3 + 3)^3) + (33 \times (33 + 3)) \\
&:= ((4 + 4)/4 + 4^4) - 44 \\
&:= (5 + 5)/5 \times (5^5 + 5)/5 \\
&:= ((6 + 6)/6)^6 + (66 \times (6 + 6 + 6)) \\
&:= 77 + ((7 + 7) \times (77 + 7) - 7/7) \\
&:= 8 \times (88 + 8) + 88 \times 88/(8 + 8) \\
&:= 9 \times (9 + 9) + (((99 \times 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1253 &:= (11 \times (1 + (1 + 1 + 111))) - 1 \\
&:= 2 + (((2 \times (22 + 2)) + 2)^2) + 2)/2 \\
&:= 3 + (((33/3)^3) - 3 \times 3^3) \\
&:= 4 + (((4 + 4) \times (4/4 + 4^4) - 4)/4) \\
&:= 5 + ((5 + 5)/5 \times (5^5 - 5)/5) \\
&:= (6 \times (6 \times 6 \times 6 - 6)) - 6/6 - 6 \\
&:= 77 + (7 + 7) \times (77 + 7) \\
&:= (8 + 8) \times (88 - 8) - (88/8 + 8 + 8) \\
&:= 99/9 + (9 \times (9 + 9 + 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1254 &:= 11 \times (1 + (1 + 1 + 111)) \\
&:= 2 \times (((2/2 + 2 + 2)^{2+2}) + 2) \\
&:= 33 \times (33/3 + 3^3) \\
&:= 4 + (4 + 4)/4 \times (4/4 + 4^4) \\
&:= 5 + ((5^5 - 5 + 5^5)/5) \\
&:= (6 \times (6 \times 6 \times 6 - 6)) - 6 \\
&:= 7/7 + ((7 + 7) \times (77 + 7) + 77) \\
&:= (88/8 + 8) \times (((8 + 8)/8) + 8 \times 8) \\
&:= 9 \times 99 + ((99 \times 99)/(9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1255 &:= 1 + (11 \times (1 + (1 + 1 + 111))) \\
&:= 2 + (((2 \times (22 + 2)) + 2)^2) + 2)/2 + 2) \\
&:= 3/3 + (33 \times (33/3 + 3^3)) \\
&:= (4/4 + 4) \times (4^4 - 4/4 - 4) \\
&:= 5 + 5 \times 5 \times 5 \times (5 + 5) \\
&:= 6/6 + ((6 \times (6 \times 6 \times 6 - 6)) - 6) \\
&:= 7 + ((77 + 7)/7 \times (777/7 - 7)) \\
&:= 8 + ((8888/8 + 8 \times (8 + 8)) + 8) \\
&:= 999 + (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1256 &:= 1 + (1 + (11 \times (1 + (1 + 1 + 111)))) \\
&:= 2 + (2 \times (((2/2 + 2 + 2)^{2+2}) + 2)) \\
&:= 3 + (((33/3)^3) - 3 \times 3^3) + 3) \\
&:= (4/4 + 4) \times (4^4 - 4) - 4 \\
&:= 5 + ((5^5 + 5^5 + 5)/5) \\
&:= (6 + 6)/6 + ((6 \times (6 \times 6 \times 6 - 6)) - 6) \\
&:= 777 + (7 \times (77 - 7) - (77/7)) \\
&:= 88 \times (8 + 8) - (8 \times 8 + 88) \\
&:= 9 \times 99 + (((9 \times 9 \times 9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1257 &:= 1 + (1 + (1 + (11 \times (1 + (1 + 1 + 111)))))) \\
&:= 222 + ((2^{22/2} + 22)/2) \\
&:= 3 + (33 \times (33/3 + 3^3)) \\
&:= 4/4 + ((4/4 + 4) \times (4^4 - 4) - 4) \\
&:= 5 + ((5 + 5)/5 \times (5^5 + 5)/5) \\
&:= 6 \times 6 + ((66/6) \times 666/6) \\
&:= 7 + ((7/7 + 7 \times 7) \times (77/7 + 7 + 7)) \\
&:= 8 + (((88 + 8) \times (88 + 8 + 8)) + 8)/8) \\
&:= 9 \times 9 + ((99 - 9/9) \times ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1258 &:= 11 \times 111 + (111/(1+1+1)) \\
&:= 2 \times (((2/2+2+2)^{2+2}) + 2) + 2 \\
&:= (3/3+33) \times (3/3+33+3) \\
&:= (4+4)/4 \times ((4/4+4)^4+4) \\
&:= (5+5)/5 \times ((5^5-5)/5+5) \\
&:= (6 \times (6 \times 6 \times 6 - 6)) - (6+6)/6 \\
&:= 7 \times (7+7+7) + 7777/7 \\
&:= 8 + (((((8+8)/8) + 8)^{8 \times 8/(8+8)})/8) \\
&:= 9 \times 9 + ((99/9) \times ((99-9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1259 &:= 1 + (11 \times 111 + (111/(1+1+1))) \\
&:= 222/2 + (2 \times (((22+2+2)^2) - 2)) \\
&:= (3 \times (3-3^3)) + ((33/3)^3) \\
&:= (4/4+4) \times (4^4-4) - 4/4 \\
&:= 5 + (((5^5-5+5^5)/5) + 5) \\
&:= (6 \times (6 \times 6 \times 6 - 6)) - 6/6 \\
&:= ((77-7) \times (77/7+7)) - 7/7 \\
&:= 8 + ((8/8+8) \times (8 \times (8+8) + (88/8))) \\
&:= 9 + (((((9+9)/9)^9) + 9 \times 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1260 &:= (1+11) \times (111 - ((1+1) \times (1+1+1))) \\
&:= (2-22) \times (2/2 - 2^{2+2+2}) \\
&:= (3+3) \times ((3+3)^3 - (3+3)) \\
&:= (4/4+4) \times (4^4-4) \\
&:= 5 + (5 \times 5 \times 5 \times (5+5) + 5) \\
&:= 6 \times (6 \times 6 \times 6 - 6) \\
&:= (77-7) \times (77/7+7) \\
&:= (8 \times 8 - 8/8) \times ((88+8)/8+8) \\
&:= (9+9) \times (9 \times 9 - 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1261 &:= 1 + ((1+11) \times (111 - ((1+1) \times (1+1+1)))) \\
&:= (((2 \times (22+2)) + 2)^2) + 2)/2 \\
&:= 3/3 + ((3+3) \times ((3+3)^3 - (3+3))) \\
&:= 4/4 + (4/4+4) \times (4^4-4) \\
&:= ((55+5^5) + 5^5)/5 \\
&:= 6/6 + (6 \times (6 \times 6 \times 6 - 6)) \\
&:= 7/7 + ((77-7) \times (77/7+7)) \\
&:= (8+8) \times (88-8) - (88/8+8) \\
&:= 9/9 + ((9+9) \times (9 \times 9 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1262 &:= (11 \times (1+111)) + ((11-1) \times (1+1+1)) \\
&:= 2 + ((2-22) \times (2/2 - 2^{2+2+2})) \\
&:= 3 + ((3 \times (3-3^3)) + ((33/3)^3)) \\
&:= 4 + ((4+4)/4 \times ((4/4+4)^4+4)) \\
&:= (5+5)/5 \times ((5^5+5)/5+5) \\
&:= (6+6)/6 + (6 \times (6 \times 6 \times 6 - 6)) \\
&:= ((7+7)/7) + ((77-7) \times (77/7+7)) \\
&:= 8 + ((88/8+8) \times (((8+8)/8) + 8 \times 8)) \\
&:= (9+9)/9 + ((9+9) \times (9 \times 9 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1263 &:= (11 \times (1 + (1 + (1 + 1 + 111)))) - 1 - 1 \\
&:= 222/2 + (2 \times ((22+2)^2)) \\
&:= ((3+3)^{3/3+3}) - 33 \\
&:= 4^4 + (4 \times (4^4-4) - 4/4) \\
&:= 5 + ((5+5)/5 \times ((5^5-5)/5+5)) \\
&:= (6 \times 6/(6+6)) + (6 \times (6 \times 6 \times 6 - 6)) \\
&:= (7+7) \times (77+7+7) - 77/7 \\
&:= 8 \times 8 + (8888/8+88) \\
&:= 9 \times (9+9) + (((9999-9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1264 &:= (11 \times (1 + (1 + (1 + 1 + 111)))) - 1 \\
&:= 2 \times (((22+2+2)^2) - (2 \times 22)) \\
&:= 3/3 + (((3+3)^{3/3+3}) - 33) \\
&:= 4^4 + 4 \times (4^4-4) \\
&:= 5 \times 5 \times 55 - 555/5 \\
&:= 6 + ((6 \times (6 \times 6 \times 6 - 6)) - ((6+6)/6)) \\
&:= 77 + ((7777-7)/7+77) \\
&:= (8+8) \times (88 - (8/8+8)) \\
&:= 9 \times (9+9) + (9999/9-9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1265 &:= 11 \times (1 + (1 + (1 + 1 + 111))) \\
&:= 22/2 \times ((222/2+2) + 2) \\
&:= ((33/3)^3) - (33+33) \\
&:= 4/4 + (4 \times (4^4-4) + 4^4) \\
&:= 55 \times (5 \times 5 - ((5+5)/5)) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 - 6)) - 6/6) \\
&:= 77 + (7777/7+77) \\
&:= 8/8 + ((8+8) \times (88 - (8/8+8))) \\
&:= 9 \times (9+9) + ((9999+9)/9-9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1266 &:= 1 + (11 \times (1 + (1 + (1 + 1 + 111)))) \\
&:= (2^{22/2} + 22^2)/2 \\
&:= 3 + (((3+3)^{3/3+3}) - 33) \\
&:= 4 \times 4 + (4+4)/4 \times (4/4+4)^4 \\
&:= 5 + (((55+5^5) + 5^5)/5) \\
&:= 6 + (6 \times (6 \times 6 \times 6 - 6)) \\
&:= 777 + (7 \times (77-7) - 7/7) \\
&:= (8+8)/8 + ((8+8) \times (88 - (8/8+8))) \\
&:= 9 \times (9 \times (9+9) - 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1267 &:= 1 + (1 + (11 \times (1 + (1 + (1 + 1 + 111)))))) \\
&:= ((2^{22/2} + 22^2) + 2)/2 \\
&:= ((33/3)^3) - ((3/3+3)^3) \\
&:= 4 + ((4 \times (4^4-4) - 4/4) + 4^4) \\
&:= 5 + ((5+5)/5 \times ((5^5+5)/5+5)) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 - 6)) + 6/6) \\
&:= 777 + 7 \times (77-7) \\
&:= ((88/8)^{88/8-8}) - 8 \times 8 \\
&:= 9 \times 9 + (((99 \times (99+9)) - (9+9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1268 &:= 1 + (1 + (1 + (11 \times (1 + (1 + (1 + 1 + 111)))))) \\
&:= 2 + ((2^{22/2} + 22^2)/2) \\
&:= 3 + (((33/3)^3) - (33+33)) \\
&:= 4 + (4 \times (4^4-4) + 4^4) \\
&:= (5+5)/5 \times (((5^5-5)/5+5) + 5) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 - 6)) + ((6+6)/6)) \\
&:= 7/7 + (7 \times (77-7) + 777) \\
&:= (8+8) \times (88-8) - (88+8)/8 \\
&:= 9 \times 9 + (((99 \times (99+9)) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1269 &:= 1111 + ((1+1+11)^{1+1} - 11) \\
&:= 2 + (((2^{22/2} + 22^2) + 2)/2) \\
&:= ((3+3)^{3/3+3}) - 3^3 \\
&:= 4^4 + (4 \times 4^4 - 44/4) \\
&:= 5 + (5 \times 5 \times 55 - 555/5) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 - 6)) + (6 \times 6/(6+6))) \\
&:= 7 \times 7 + ((77 \times 777/7 - 7)/7) \\
&:= (8+8) \times (88-8) - 88/8 \\
&:= 9 + ((9+9) \times (9 \times 9 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1270 &:= (11-1) \times (111 + ((1+1)^{1+1+1+1})) \\
&:= (2/2+2+2) \times (2^{2 \times (2+2)} - 2) \\
&:= 3 + (((33/3)^3) - ((3/3+3)^3)) \\
&:= (4/4+4) \times (4^4 - (4+4)/4) \\
&:= (5 \times (5 \times 5 \times (5+5) + 5)) - 5 \\
&:= ((66-6)/6) + (6 \times (6 \times 6 \times 6 - 6)) \\
&:= 7 \times 7 + 77/7 \times 777/7 \\
&:= (8-88)/8 + (8+8) \times (88-8) \\
&:= (9+9) \times 99 - (((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1271 &:= 11 \times 111 + ((11-1)^{1+1}/(1+1)) \\
&:= 22 + (((2 \times (22+2)) + 2)^2) - 2)/2 \\
&:= ((33/3)^3) - (3^3+33) \\
&:= (4/4+4) \times (4^4-4/4) - 4 \\
&:= ((5/5+5)^{5-5/5}) - 5 \times 5 \\
&:= 66/6 + (6 \times (6 \times 6 \times 6 - 6)) \\
&:= (((7+7)/7)^{77/7}) - 777 \\
&:= (8+8) \times (88-8) - (8/8+8) \\
&:= 9/9 + ((9+9) \times 99 - (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1272 &:= (1+11) \times (111 - (1 + (1 + 1 + 1 + 1))) \\
&:= (2+2+2)^{2+2} - (22+2) \\
&:= 3 + (((3+3)^{3/3+3}) - 3^3) \\
&:= 4^4 + (4 \times 4^4 - (4+4)) \\
&:= (5+5)/5 \times ((55+5^5)/5) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 - 6)) + 6) \\
&:= (7+7) \times (77+7+7) - (7+7)/7 \\
&:= (8+8) \times (88-8) - 8 \\
&:= 9 \times (9+9) + ((9999-9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1273 &:= 1 + ((1 + 11) \times (111 - (1 + (1 + 1 + 1 + 1)))) \\
&:= (22/2)^2 + (2 \times ((22 + 2)^2)) \\
&:= (3 + 3) \times 3^3 + 3333/3 \\
&:= 4 + ((4 \times 4^4 - 44/4) + 4^4) \\
&:= 5 \times 5 + ((5 + 5)/5 \times (5^5 - 5)/5) \\
&:= 6 + (((6 \times (6 \times 6 \times 6 - 6)) + 6/6) + 6) \\
&:= (7 + 7) \times (77 + 7 + 7) - 7/7 \\
&:= 8/8 + ((8 + 8) \times (88 - 8) - 8) \\
&:= 9 \times (9 + 9) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1274 &:= (1 + 1 + 11) \times (111 - 1 - 1 - 11) \\
&:= (2 + 2 + 2)^{2+2} - 22 \\
&:= 3 + (((33/3)^3) - (3^3 + 33)) \\
&:= 4 + ((4/4 + 4) \times (4^4 - (4 + 4)/4)) \\
&:= 5 \times 5 + ((5^5 - 5 + 5^5)/5) \\
&:= 6 \times 6 \times 6 \times 6 - ((66 + 66)/6) \\
&:= (7 + 7) \times (77 + 7 + 7) \\
&:= (8 + 8)/8 + ((8 + 8) \times (88 - 8) - 8) \\
&:= 9 \times (9 + 9) + (9999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1275 &:= 11^{1+1+1} - (1 + 111)/(1 + 1) \\
&:= 2/2 + ((2 + 2 + 2)^{2+2} - 22) \\
&:= ((3 + 3) \times ((3 + 3)^3 - 3)) - 3 \\
&:= (4/4 + 4) \times (4^4 - 4/4) \\
&:= 5 \times (5 \times 5 \times (5 + 5) + 5) \\
&:= 6 \times 6 \times 6 \times 6 + ((6 - (66 + 66))/6) \\
&:= 7/7 + (7 + 7) \times (77 + 7 + 7) \\
&:= (8/8 + 8 + 8) \times (88/8 + 8 \times 8) \\
&:= 9 + (9 \times (9 \times (9 + 9) - 9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1276 &:= 11 \times (1 + 1 + 1 + 1 + 1 + 111) \\
&:= 2 + ((2 + 2 + 2)^{2+2} - 22) \\
&:= 3/3 + (((3 + 3) \times ((3 + 3)^3 - 3)) - 3) \\
&:= 4^4 + (4 \times 4^4 - 4) \\
&:= 5 \times 5 + ((5^5 + 5^5 + 5)/5) \\
&:= 66/6 \times (((666 - 6)/6) + 6) \\
&:= ((7 + 7)/7) + (7 + 7) \times (77 + 7 + 7) \\
&:= (8 + 8) \times (88 - 8) - (8/((8 + 8)/8)) \\
&:= 99/9 \times (((99 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1277 &:= 1 + 11 \times (1 + 1 + 1 + 1 + 1 + 111) \\
&:= 2 + (((2 + 2 + 2)^{2+2} - 22) + 2/2) \\
&:= ((33/3)^3) - (3^3 + 3^3) \\
&:= 4/4 + ((4 \times 4^4 - 4) + 4^4) \\
&:= 5 + ((5 + 5)/5 \times ((55 + 5^5)/5)) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 - 6)) + (66/6)) \\
&:= 7 + (77/7 \times 777/7 + 7 \times 7) \\
&:= 8 + ((8 + 8) \times (88 - 8) - (88/8)) \\
&:= ((9 + 9) \times (9 \times 9 - 9)) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1278 &:= (11 - 1 - 1) \times ((1 + 11)^{1+1} - (1 + 1)) \\
&:= ((22 - 2) \times 2^{2+2+2}) - 2 \\
&:= (3 + 3) \times ((3 + 3)^3 - 3) \\
&:= 4^4 + (4 \times 4^4 - (4 + 4)/4) \\
&:= 5 + (((5 + 5)/5 \times (5^5 - 5)/5) + 5 \times 5) \\
&:= 6 \times 6 \times 6 \times 6 - 6 - 6 - 6 \\
&:= (77/7 + 7) \times ((7/7 - 7) + 77) \\
&:= (8 + 8) \times (88 - 8) - (8 + 8)/8 \\
&:= (9 + 9) \times (9 \times 9 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1279 &:= 1111 + ((1 + 1 + 11)^{1+1} - 1) \\
&:= ((22 - 2) \times 2^{2+2+2}) - 2/2 \\
&:= 3/3 + ((3 + 3) \times ((3 + 3)^3 - 3)) \\
&:= 4^4 + (4 \times 4^4 - 4/4) \\
&:= 5 + (((5^5 - 5 + 5^5)/5) + 5 \times 5) \\
&:= 6 \times 6 \times 6 \times 6 - (66/6 + 6) \\
&:= (((77 - 7) \times ((7 + 7)/7)^7) - 7)/7 \\
&:= (8 + 8) \times (88 - 8) - 8/8 \\
&:= 9 + ((9 + 9) \times 99 - ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1280 &:= 1111 + (1 + 1 + 11)^{1+1} \\
&:= (22 - 2) \times 2^{2+2+2} \\
&:= 3 + (((33/3)^3) - (3^3 + 3^3)) \\
&:= 4^4 + 4 \times 4^4 \\
&:= 5 + (5 \times (5 \times 5 \times (5 + 5) + 5)) \\
&:= ((6 - 66)/6) + (6 \times 6 \times 6 \times 6 - 6) \\
&:= ((77 - 7)/7) \times ((7 + 7)/7)^7 \\
&:= (8 + 8) \times (88 - 8) \\
&:= (9 - 9/9) \times (9 \times (9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1281 &:= 1 + (1111 + (1 + 1 + 11)^{1+1}) \\
&:= 2/2 + ((22 - 2) \times 2^{2+2+2}) \\
&:= 3 + ((3 + 3) \times ((3 + 3)^3 - 3)) \\
&:= 4/4 + (4 \times 4^4 + 4^4) \\
&:= 5 + (((5^5 + 5^5 + 5)/5) + 5 \times 5) \\
&:= ((66/6) \times (666/6 + 6)) - 6 \\
&:= 7 + (7 + 7) \times (77 + 7 + 7) \\
&:= 8/8 + (8 + 8) \times (88 - 8) \\
&:= 9 + (((9999 - 9)/9) + 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1282 &:= 1 + (1 + (1111 + (1 + 1 + 11)^{1+1})) \\
&:= 2 + ((22 - 2) \times 2^{2+2+2}) \\
&:= 3 + (((3 + 3) \times ((3 + 3)^3 - 3)) + 3/3) \\
&:= 4^4 + ((4 + 4)/4 + 4 \times 4^4) \\
&:= (5 + 5)/5 \times (((55 + 5^5)/5) + 5) \\
&:= 6 \times 6 \times 6 \times 6 - ((6 + 6)/6 + 6 + 6) \\
&:= 7 + ((7 + 7) \times (77 + 7 + 7) + 7/7) \\
&:= (8 + 8)/8 + (8 + 8) \times (88 - 8) \\
&:= 9 + (9999/9 + 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1283 &:= ((1 + 11) \times (111 - (1 + 1 + 1 + 1))) - 1 \\
&:= (2 + 2 + 2)^{2+2} - (22/2 + 2) \\
&:= 33 + (((33/3)^3) - 3 \times 3^3) \\
&:= 4 + ((4 \times 4^4 - 4/4) + 4^4) \\
&:= 5 \times 5 + ((5 + 5)/5 \times ((5^5 - 5)/5 + 5)) \\
&:= 6 \times 6 \times 6 \times 6 - (6/6 + 6 + 6) \\
&:= 7 + ((7 + 7) \times (77 + 7 + 7) + ((7 + 7)/7)) \\
&:= 88/8 + ((8 + 8) \times (88 - 8) - 8) \\
&:= 9 + ((9999 + 9)/9 + 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1284 &:= (1 + 11) \times (111 - (1 + 1 + 1 + 1)) \\
&:= 22^2 + 2 \times (22 - 2)^2 \\
&:= (33 \times (33 + 3 + 3)) - 3 \\
&:= 4 + (4 \times 4^4 + 4^4) \\
&:= (((55 \times (55 + 5)) - 5) + 5^5)/5 \\
&:= 6 \times 6 \times 6 \times 6 - 6 - 6 \\
&:= ((77 - 7)/7) + (7 + 7) \times (77 + 7 + 7) \\
&:= (8/((8 + 8)/8)) + (8 + 8) \times (88 - 8) \\
&:= ((99 + 9)/9) \times ((99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1285 &:= ((1 + 1 + 1) \times (1 + 11))^{1+1} - 11 \\
&:= (2 + 2 + 2)^{2+2} - 22/2 \\
&:= ((3 + 3)^{3/3+3}) - 33/3 \\
&:= (4/4 + 4) \times (4/4 + 4^4) \\
&:= 5 + ((5 \times (5 \times 5 \times (5 + 5) + 5)) + 5) \\
&:= 6 \times 6 \times 6 \times 6 - 66/6 \\
&:= 77/7 + (7 + 7) \times (77 + 7 + 7) \\
&:= 8 \times 8 + 88/8 \times 888/8 \\
&:= ((9 + 9) \times (9 \times 9 - 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1286 &:= 1 + (((1 + 1 + 1) \times (1 + 11))^{1+1} - 11) \\
&:= 2 + 2 \times (22 - 2)^2 + 22^2 \\
&:= (33 \times (33 + 3 + 3)) - 3/3 \\
&:= 4 + (((4 + 4)/4 + 4 \times 4^4) + 4^4) \\
&:= ((5/5 + 5)^{5-5/5}) - 5 - 5 \\
&:= ((6 - 66)/6) + 6 \times 6 \times 6 \times 6 \\
&:= 7 + (((77 - 7) \times ((7 + 7)/7)^7) - 7)/7 \\
&:= 8 + ((8 + 8) \times (88 - 8) - ((8 + 8)/8)) \\
&:= ((9 + 9) \times (9 \times 9 - 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1287 &:= 11 \times (111 + ((1 + 1) \times (1 + 1 + 1))) \\
&:= 2 + ((2 + 2 + 2)^{2+2} - 22/2) \\
&:= 33 \times (33 + 3 + 3) \\
&:= 4 \times 44 + 4444/4 \\
&:= 55/5 \times ((555 + 5)/5 + 5) \\
&:= 66/6 \times (666/6 + 6) \\
&:= 7 + (((77 - 7)/7) \times ((7 + 7)/7)^7) \\
&:= 8 + ((8 + 8) \times (88 - 8) - 8/8) \\
&:= ((9 + 9) \times (9 \times 9 - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1288 &:= 1 + 11 \times (111 + (1 + 1) \times (1 + 1 + 1)) \\
&:= 2 \times (2 \times (((2^{2+2} + 2)^2) - 2)) \\
&:= 3/3 + (33 \times (33 + 3 + 3)) \\
&:= 4 + (4 \times 4^4 + 4^4 + 4) \\
&:= (55 + 5/5) \times (5 \times 5 - ((5 + 5)/5)) \\
&:= 6 \times 6 \times 6 \times 6 - ((6 + 6)/6 + 6) \\
&:= 7 + ((7 + 7) \times (77 + 7 + 7) + 7) \\
&:= 8 + (8 + 8) \times (88 - 8) \\
&:= 9/9 + (((9 + 9) \times (9 \times 9 - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1289 &:= (1 + 1 + 11) \times (11 - 1)^{1+1} - 11 \\
&:= 2 + (((2 + 2 + 2)^{2+2} - 22/2) + 2) \\
&:= ((33/3)^3) - (3 \times 3 + 33) \\
&:= 4 + ((4/4 + 4) \times (4/4 + 4^4)) \\
&:= 5 \times 55 + ((5 - 5/5)^5 - (5 + 5)) \\
&:= 6 \times 6 \times 6 \times 6 - 6/6 - 6 \\
&:= (7 - 7/7)^{77/7-7} - 7 \\
&:= 8 + ((8 + 8) \times (88 - 8) + 8/8) \\
&:= (9 + 9)/9 + (((9 + 9) \times (9 \times 9 - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1290 &:= (11 - 1) \times (11 \times (1 + 11) - 1 - 1 - 1) \\
&:= (2 + 2 + 2)^{2+2} - (2 + 2 + 2) \\
&:= 3 + (33 \times (33 + 3 + 3)) \\
&:= (4/4 + 4) \times ((4 + 4)/4 + 4^4) \\
&:= 5 \times (5^5 + 5)/(5 + 5) - 55 \\
&:= 6 \times 6 \times 6 \times 6 - 6 \\
&:= 7 \times 7 \times 7 \times 7 - 7777/7 \\
&:= 8 + ((8 + 8) \times (88 - 8) + ((8 + 8)/8)) \\
&:= (9/9 + 9) \times ((999/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1291 &:= 1 + ((11 - 1) \times (11 \times (1 + 11) - 1 - 1 - 1)) \\
&:= (2 + 2 + 2)^{2+2} - (2/2 + 2 + 2) \\
&:= 3 + ((33 \times (33 + 3 + 3)) + 3/3) \\
&:= 4^4 + (44/4 + 4 \times 4^4) \\
&:= ((5/5 + 5)^{5-5/5}) - 5 \\
&:= 6/6 + (6 \times 6 \times 6 \times 6 - 6) \\
&:= 77/7 \times (777/7 + 7) - 7 \\
&:= 88/8 + (8 + 8) \times (88 - 8) \\
&:= 99 + (9999/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1292 &:= 11^{1+1+1} - ((1 + 1 + 1) \times (1 + 1 + 11)) \\
&:= (2 + 2 + 2)^{2+2} - 2 - 2 \\
&:= ((33/3)^3) - (33 + 3 + 3) \\
&:= ((4 + 4)/4 + 4)^4 - 4 \\
&:= 5/5 + (((5/5 + 5)^{5-5/5}) - 5) \\
&:= (6 + 6)/6 + (6 \times 6 \times 6 \times 6 - 6) \\
&:= (7/7 - 77) \times (((7 - 77)/7) - 7) \\
&:= ((88 + 8)/8) + (8 + 8) \times (88 - 8) \\
&:= 99 + ((9999 + 9)/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1293 &:= ((1 + 1 + 1) \times (1 + 11))^{1+1} - 1 - 1 - 1 \\
&:= (2 + 2 + 2)^{2+2} - 2/2 - 2 \\
&:= ((3 + 3)^{3/3+3}) - 3 \\
&:= 4/4 + (((4 + 4)/4 + 4)^4 - 4) \\
&:= 5 + ((55 + 5/5) \times (5 \times 5 - ((5 + 5)/5))) \\
&:= 6 \times 6 \times 6 \times 6 - 6 \times 6/(6 + 6) \\
&:= (7 \times (7 + 7) \times (7 + 7)) - ((7 + 7)/7 + 77) \\
&:= 8 + (88/8 \times 888/8 + 8 \times 8) \\
&:= ((9 + 9) \times (9 \times 9 - 9)) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1294 &:= ((1 + 1 + 1) \times (1 + 11))^{1+1} - 1 - 1 \\
&:= (2 + 2 + 2)^{2+2} - 2 \\
&:= 3/3 + (((3 + 3)^{3/3+3}) - 3) \\
&:= ((4 + 4)/4 + 4)^4 - (4 + 4)/4 \\
&:= 5 \times 55 + ((5 - 5/5)^5 - 5) \\
&:= 6 \times 6 \times 6 \times 6 - (6 + 6)/6 \\
&:= (7 \times (7 + 7) \times (7 + 7)) - (7/7 + 77) \\
&:= 8 + (((8 + 8) \times (88 - 8) - ((8 + 8)/8)) + 8) \\
&:= ((9 + 9) \times (9 \times 9 - 9)) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1295 &:= ((1 + 1 + 1) \times (1 + 11))^{1+1} - 1 \\
&:= (2 + 2 + 2)^{2+2} - 2/2 \\
&:= ((33/3)^3) - (33 + 3) \\
&:= ((4 + 4)/4 + 4)^4 - 4/4 \\
&:= (5 \times (5 \times 55 - 5)) - 55 \\
&:= 6 \times 6 \times 6 \times 6 - 6/6 \\
&:= (7 \times (7 + 7) \times (7 + 7)) - 77 \\
&:= 8 + (((8 + 8) \times (88 - 8) - 8/8) + 8) \\
&:= ((9 + 9) \times (9 \times 9 - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1296 &:= ((1 + 1 + 1) \times (1 + 11))^{1+1} \\
&:= (2 + 2 + 2)^{2+2} \\
&:= (3 + 3)^{3/3+3} \\
&:= ((4 + 4)/4 + 4)^4 \\
&:= (5/5 + 5)^{5-5/5} \\
&:= 6 \times 6 \times 6 \times 6 \\
&:= (7 - 7/7)^{77/7-7} \\
&:= 8 + ((8 + 8) \times (88 - 8) + 8) \\
&:= (9 + 9) \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1297 &:= 1 + ((1 + 1 + 1) \times (1 + 11))^{1+1} \\
&:= 2/2 + (2 + 2 + 2)^{2+2} \\
&:= 3/3 + ((3 + 3)^{3/3+3}) \\
&:= 4/4 + ((4 + 4)/4 + 4)^4 \\
&:= 5/5 + ((5/5 + 5)^{5-5/5}) \\
&:= 6/6 + 6 \times 6 \times 6 \times 6 \\
&:= 7/7 + (7 - 7/7)^{77/7-7} \\
&:= 88 \times (8 + 8) - 888/8 \\
&:= 9/9 + ((9 + 9) \times (9 \times 9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1298 &:= 11 \times (11^{1+1} - (1 + 1 + 1)) \\
&:= 2 + (2 + 2 + 2)^{2+2} \\
&:= ((33/3)^3) - 33 \\
&:= (4 + 4)/4 + ((4 + 4)/4 + 4)^4 \\
&:= 5 \times 55 + ((5 - 5/5)^5 - 5/5) \\
&:= (6 + 6)/6 + 6 \times 6 \times 6 \times 6 \\
&:= 77/7 \times (777/7 + 7) \\
&:= 88/8 \times ((888 - 8)/8 + 8) \\
&:= (9 + 9)/9 + ((9 + 9) \times (9 \times 9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1299 &:= 1 + (11 \times (11^{1+1} - (1 + 1 + 1))) \\
&:= 2 + ((2 + 2 + 2)^{2+2} + 2/2) \\
&:= 3 + ((3 + 3)^{3/3+3}) \\
&:= 4 + (((4 + 4)/4 + 4)^4 - 4/4) \\
&:= 5 \times 55 + (5 - 5/5)^5 \\
&:= 6 \times 6 \times 6 \times 6 + (6 \times 6/(6 + 6)) \\
&:= ((77 \times (777/7 + 7)) + 7)/7 \\
&:= 8 + ((8 + 8) \times (88 - 8) + (88/8)) \\
&:= ((9 + 9 + 9)/9) + ((9 + 9) \times (9 \times 9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1300 &:= (1 + 1 + 11) \times (11 - 1)^{1+1} \\
&:= 2 + ((2 + 2 + 2)^{2+2} + 2) \\
&:= 3 + (((3 + 3)^{3/3+3}) + 3/3) \\
&:= 4 + ((4 + 4)/4 + 4)^4 \\
&:= (5 + 5) \times (5 \times 5 \times 5 + 5) \\
&:= 6 + (6 \times 6 \times 6 \times 6 - ((6 + 6)/6)) \\
&:= ((7 + 7)/7) \times (777/7 + 7 \times 77) \\
&:= (8/8 + 8 \times 8) \times ((88 + 8)/8 + 8) \\
&:= (9/9 + 99) \times ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1301 &:= 1 + (1 + 1 + 11) \times (11 - 1)^{1+1} \\
&:= 2 + (((2 + 2 + 2)^{2+2} + 2/2) + 2) \\
&:= 3 + (((33/3)^3) - 33) \\
&:= 4 + (((4 + 4)/4 + 4)^4 + 4/4) \\
&:= 5 + ((5/5 + 5)^{5-5/5}) \\
&:= 6 + (6 \times 6 \times 6 \times 6 - 6/6) \\
&:= 7 + ((7 \times (7 + 7) \times (7 + 7)) - (7/7 + 77)) \\
&:= (88/8 \times (888/8 + 8)) - 8 \\
&:= 9 \times 9 + (((99 \times 999/9) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1302 &:= 1 + 1 + (1 + 1 + 11) \times (11 - 1)^{1+1} \\
&:= 2 + (((2 + 2 + 2)^{2+2} + 2) + 2) \\
&:= 3 + (((3 + 3)^{3/3+3}) + 3) \\
&:= 4 + (((4 + 4)/4 + 4)^4 + (4 + 4)/4) \\
&:= 5 + (((5/5 + 5)^{5-5/5}) + 5/5) \\
&:= 6 + 6 \times 6 \times 6 \times 6 \\
&:= 7 + ((7 \times (7 + 7) \times (7 + 7)) - 77) \\
&:= 88 + (8 \times (8 \times 8 + 88) - ((8 + 8)/8)) \\
&:= 9 \times 9 + ((99/9) \times 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1303 &:= 1+1+1+(1+1+11) \times (11-1)^{1+1} \\
&:= 2 + (((2+2+2)^{2+2} + 2/2) + 2) \\
&:= ((33/3)^3) - (3^3 + 3/3) \\
&:= 4 + (((4+4)/4 + 4)^4 - 4/4) + 4 \\
&:= 55 + ((5+5)/5 \times (5^5 - 5)/5) \\
&:= 6 + (6 \times 6 \times 6 \times 6 + 6/6) \\
&:= 7 + (7 - 7/7)^{77/7-7} \\
&:= 88 + (8 \times (8 \times 8 + 88) - 8/8) \\
&:= 9 + (((9+9) \times (9 \times 9 - 9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1304 &:= 11^{1+1+1} - (1+1+1)^{1+1+1} \\
&:= 2 \times (2 \times (((2^{2+2} + 2)^2) + 2)) \\
&:= ((33/3)^3) - 3^3 \\
&:= 4 + (((4+4)/4 + 4)^4 + 4) \\
&:= 5 + (((5-5/5)^5 + 5 \times 55) \\
&:= 6 + (6 \times 6 \times 6 \times 6 + ((6+6)/6)) \\
&:= ((7+7)/7)^7 + (7+7) \times (77+7) \\
&:= 88 + 8 \times (8 \times 8 + 88) \\
&:= 9 + (((9+9) \times (9 \times 9 - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1305 &:= (11-1-1) \times (1+(1+11)^{1+1}) \\
&:= 22/2 + ((2+2+2)^{2+2} - 2) \\
&:= 3 \times 3 + ((3+3)^{3/3+3}) \\
&:= (4/4+4) \times ((4/4+4^4) + 4) \\
&:= 5 + ((5+5) \times (5 \times 5 \times 5 + 5)) \\
&:= 6 + (6 \times 6 \times 6 \times 6 + (6 \times 6/(6+6))) \\
&:= 7 + 77/7 \times (777/7 + 7) \\
&:= (8-8/8+8) \times (88-8/8) \\
&:= 9 + ((9+9) \times (9 \times 9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1306 &:= (1+11) \times (111-1-1) - 1 - 1 \\
&:= 2 + ((2+2+2)^{2+2} + 2 \times (2+2)) \\
&:= 3 + (((33/3)^3) - (3^3 + 3/3)) \\
&:= (44-4)/4 + ((4+4)/4 + 4)^4 \\
&:= 5 + (((5/5+5)^{5-5/5}) + 5) \\
&:= ((66-6)/6) + 6 \times 6 \times 6 \times 6 \\
&:= 7 + (((77 \times (777/7 + 7)) + 7)/7) \\
&:= 8 + (((8-888)/8) + 88 \times (8+8)) \\
&:= 9 + (((9+9) \times (9 \times 9 - 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1307 &:= (1+11) \times (111-1-1) - 1 \\
&:= 22/2 + (2+2+2)^{2+2} \\
&:= 3 + (((33/3)^3) - 3^3) \\
&:= 44/4 + ((4+4)/4 + 4)^4 \\
&:= 55 + ((5+5)/5 \times (5^5 + 5)/5) \\
&:= 66/6 + 6 \times 6 \times 6 \times 6 \\
&:= (7+7) \times (7+7) + 7777/7 \\
&:= 8 + (((8+8) \times (88-8) + (88/8)) + 8) \\
&:= 99/9 + ((9+9) \times (9 \times 9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1308 &:= (1+11) \times (111-1-1) \\
&:= 2 \times (((22+2+2)^2) - 22) \\
&:= 3 + (((3+3)^{3/3+3}) + 3 \times 3) \\
&:= 4 + (((4+4)/4 + 4)^4 + 4) + 4 \\
&:= 5 + (((5+5)/5 \times (5^5 - 5)/5) + 55) \\
&:= 6 + (6 \times 6 \times 6 \times 6 + 6) \\
&:= 7 \times 77 + (777 - (7/7 + 7)) \\
&:= (88 \times (888/8 + 8) - 8)/8 \\
&:= ((99+9)/9) + ((9+9) \times (9 \times 9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1309 &:= 11 \times (11^{1+1} - 1 - 1) \\
&:= 22/2 \times ((22/2)^2 - 2) \\
&:= 33/3 + (((33/3)^3) - 33) \\
&:= 4 + ((4/4+4) \times ((4/4+4^4) + 4)) \\
&:= 5 + (((5-5/5)^5 + 5 \times 55) + 5) \\
&:= 6 + ((6 \times 6 \times 6 \times 6 + 6/6) + 6) \\
&:= 77 \times ((77-7)/7 + 7) \\
&:= 88/8 \times (888/8 + 8) \\
&:= 99 + (9999/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1310 &:= 1+11 \times (11^{1+1} - 1 - 1) \\
&:= ((2+2+2) \times 222) - 22 \\
&:= 3 + (((33/3)^3) - 3^3) + 3) \\
&:= (4/4+4) \times (((4+4)/4 + 4^4) + 4) \\
&:= 5 + (((5+5) \times (5 \times 5 \times 5 + 5)) + 5) \\
&:= 6 + ((6 \times 6 \times 6 \times 6 + ((6+6)/6)) + 6) \\
&:= 7 + ((7-7/7)^{77/7-7} + 7) \\
&:= (88 \times (888/8 + 8) + 8)/8 \\
&:= 99 + ((9999+9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1311 &:= 1+1+11 \times (11^{1+1} - 1 - 1) \\
&:= 2 + (22/2 \times ((22/2)^2 - 2)) \\
&:= ((3+3) \times ((3+3)^3 + 3)) - 3 \\
&:= 44 \times 44 - (4/4 + 4)^4 \\
&:= 5 + (((5/5+5)^{5-5/5}) + 5) + 5) \\
&:= 6 + ((6 \times 6 \times 6 \times 6 + (6 \times 6/(6+6))) + 6) \\
&:= 7 + ((7+7) \times (77+7) + ((7+7)/7)^7) \\
&:= 88 \times (8+8) - ((8/8+88) + 8) \\
&:= 99/9 \times (999/9 + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1312 &:= 1+1+1+11 \times (11^{1+1} - 1 - 1) \\
&:= 2^{2+2} + (2+2+2)^{2+2} \\
&:= 3/3 + (((3+3) \times ((3+3)^3 + 3)) - 3) \\
&:= 4 \times ((4 \times (4-4/4)^4) + 4) \\
&:= 5 + (((5+5)/5 \times (5^5 + 5)/5) + 55) \\
&:= 6 + (((66-6)/6) + 6 \times 6 \times 6 \times 6) \\
&:= (7 \times ((7+7) \times (7+7) - 7)) - 77/7 \\
&:= 88 \times (8+8) - (88+8) \\
&:= (9-9/9) \times (((9+9)/9) + 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1313 &:= (1+1+11) \times (1+(11-1)^{1+1}) \\
&:= 2 + ((22/2 \times ((22/2)^2 - 2)) + 2) \\
&:= ((33/3)^3) - (3 \times (3+3)) \\
&:= 4 \times 4 + (((4+4)/4 + 4)^4 + 4/4) \\
&:= 55 + ((5+5)/5 \times ((5^5 - 5)/5 + 5)) \\
&:= 6 + (6 \times 6 \times 6 \times 6 + (66/6)) \\
&:= 7 \times 77 + (777 - ((7+7+7)/7)) \\
&:= 8 + ((8-8/8+8) \times (88-8/8)) \\
&:= 9 + (((9+9) \times (9 \times 9 - 9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1314 &:= 1+(1+1+11) \times (1+(11-1)^{1+1}) \\
&:= 2 + ((2+2+2)^{2+2} + 2^{2+2}) \\
&:= (3+3) \times ((3+3)^3 + 3) \\
&:= (((4+4) \times (4/4+4^4) + 4^4)/4) \\
&:= 5 \times 5 \times 55 - ((55+5/5) + 5) \\
&:= 6 + ((6 \times 6 \times 6 \times 6 + 6) + 6) \\
&:= 7 \times 77 + (777 - ((7+7)/7)) \\
&:= (8+8)/8 + (88 \times (8+8) - (88+8)) \\
&:= 9 + (((9+9) \times (9 \times 9 - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1315 &:= 11^{1+1+1} - (1+1)^{1+1+1+1} \\
&:= (22/2)^{2/2+2} - 2^{2+2} \\
&:= 3/3 + ((3+3) \times ((3+3)^3 + 3)) \\
&:= ((44/4)^{4-4/4}) - 4 \times 4 \\
&:= 5 \times 5 \times 55 - (55+5) \\
&:= 6 + (((6 \times 6 \times 6 \times 6 + 6/6) + 6) + 6) \\
&:= 7 \times 77 + (777 - 7/7) \\
&:= ((88/8)^{88/8-8}) - 8 - 8 \\
&:= 9 + (((9+9) \times (9 \times 9 - 9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1316 &:= 11^{1+1+1} - 1 - 1 - 1 - 1 - 11 \\
&:= 22 + ((2+2+2)^{2+2} - 2) \\
&:= 3 + (((33/3)^3) - (3 \times (3+3))) \\
&:= 4 + (4 \times (4^4 + 4 + 4) + 4^4) \\
&:= 5 \times 5 + (((5/5+5)^{5-5/5}) - 5) \\
&:= 6 + (((6 \times 6 \times 6 \times 6 + ((6+6)/6)) + 6) + 6) \\
&:= 7 \times 77 + 777 \\
&:= 8 + ((88 \times (888/8 + 8) - 8)/8) \\
&:= 9 + (((9+9) \times (9 \times 9 - 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1317 &:= 11^{1+1+1} - 1 - 1 - 1 - 11 \\
&:= 22 + ((2+2+2)^{2+2} - 2/2) \\
&:= 3 + ((3+3) \times ((3+3)^3 + 3)) \\
&:= (4-4/4) \times (444 - (4/4+4)) \\
&:= 55 + ((5+5)/5 \times ((5^5 + 5)/5 + 5)) \\
&:= 6 \times 6 \times 6 \times 6 + ((6 \times 6 + 6)/((6+6)/6)) \\
&:= 7/7 + (7 \times 77 + 777) \\
&:= 8 + (88/8 \times (888/8 + 8)) \\
&:= 9 + (((9+9) \times (9 \times 9 - 9)) + ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1318 &:= 11^{1+1+1} - 1 - 1 - 11 \\
&:= 22 + (2 + 2 + 2)^{2+2} \\
&:= 3 + (((3+3) \times (3+3)^3 + 3)) + 3/3 \\
&:= 4 + (((4+4) \times (4/4+4)^4) + 4^4)/4 \\
&:= 5 \times 5 \times 55 - ((5+5)/5 + 55) \\
&:= ((6+6)/6) \times (666 - 6/6 - 6) \\
&:= 7 \times 77 + (((7+7)/7) + 777) \\
&:= 88 \times (8+8) - ((8+8)/8 + 88) \\
&:= 9 + ((9999/9 + 99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1319 &:= 11^{1+1+1} - 1 - 11 \\
&:= 22 + ((2 + 2 + 2)^{2+2} + 2/2) \\
&:= ((33/3)^3) - (3 \times 3 + 3) \\
&:= 4 + (((44/4)^{4-4/4}) - 4 \times 4) \\
&:= 5 \times 5 \times 55 - (55 + 5/5) \\
&:= (((6+6) \times (666 - 6)) - 6)/6 \\
&:= 7 + ((7 \times ((7+7) \times (7+7) - 7)) - (77/7)) \\
&:= 88 \times (8+8) - (8/8 + 88) \\
&:= (((9+9)/9)^{99/9}) - 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1320 &:= 11 \times (11^{1+1} - 1) \\
&:= (2 + 2 + 2) \times (222 - 2) \\
&:= (3/3 + 3) \times (333 - 3) \\
&:= (4 - 4/4) \times (444 - 4) \\
&:= 55 \times (5 \times 5 - 5/5) \\
&:= (6 + 6) \times ((666 - 6)/6) \\
&:= (77 + 7)/7 \times (777 - 7)/7 \\
&:= 88 \times (8 - 8/8 + 8) \\
&:= 99/9 \times (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1321 &:= 1 + 11 \times (11^{1+1} - 1) \\
&:= 2/2 + ((2 + 2 + 2) \times (222 - 2)) \\
&:= ((3 - 33)/3) + ((33/3)^3) \\
&:= 4/4 + ((4 - 4/4) \times (444 - 4)) \\
&:= 5 \times 5 + ((5/5 + 5)^{5-5/5}) \\
&:= (6 \times (6 \times 6 \times 6 + 6)) - 66/6 \\
&:= (7 \times ((7+7) \times (7+7) - 7)) - (7+7)/7 \\
&:= 8/8 + 88 \times (8 - 8/8 + 8) \\
&:= 9 + ((9 - 9/9) \times (((9+9)/9) + 9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1322 &:= 1 + 1 + 11 \times (11^{1+1} - 1) \\
&:= 2 + ((2 + 2 + 2) \times (222 - 2)) \\
&:= ((33/3)^3) - 3 \times 3 \\
&:= 44 + ((4 \times 4^4 - (4+4)/4) + 4^4) \\
&:= (5+5)/5 + (55 \times (5 \times 5 - 5/5)) \\
&:= ((6+6)/6) \times ((666 - 6) + 6/6) \\
&:= (7 \times ((7+7) \times (7+7) - 7)) - 7/7 \\
&:= (8+8)/8 + 88 \times (8 - 8/8 + 8) \\
&:= 9 \times (9 \times 9 + 9) + (((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1323 &:= 1 + 1 + 1 + 11 \times (11^{1+1} - 1) \\
&:= (2/2 + 2) \times ((22 - 2/2)^2) \\
&:= 3^3 + ((3+3)^{3/3+3}) \\
&:= ((44/4)^{4-4/4}) - 4 - 4 \\
&:= (5 \times (5 \times 55 - (5+5))) - (5+5)/5 \\
&:= 6 \times 6 + ((66/6) \times (666/6 + 6)) \\
&:= 7 \times ((7+7) \times (7+7) - 7) \\
&:= ((88/8)^{88/8-8}) - 8 \\
&:= 999 + (9+9) \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1324 &:= 1 + 1 + 1 + 1 + 11 \times (11^{1+1} - 1) \\
&:= 2 + (((2 + 2 + 2) \times (222 - 2)) + 2) \\
&:= ((33/3)^3) - ((3/3 + 3) + 3) \\
&:= 44 + (4 \times 4^4 + 4^4) \\
&:= (5 \times (55 + 5)) + (5 - 5/5)^5 \\
&:= ((6+6)/6)^6 + (6 \times (6 \times 6 \times 6 - 6)) \\
&:= 7/7 + (7 \times ((7+7) \times (7+7) - 7)) \\
&:= (((88+8)/8) \times 888/8) - 8 \\
&:= 9/9 + ((9+9) \times (9+9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1325 &:= 11^{1+1+1} - (1+1) \times (1+1+1) \\
&:= 2 + ((2/2 + 2) \times ((22 - 2/2)^2)) \\
&:= ((33/3)^3) - (3+3) \\
&:= 44 + ((4 \times 4^4 + 4/4) + 4^4) \\
&:= 5 \times (5 \times 55 - (5+5)) \\
&:= (6 \times (6 \times 6 \times 6 + 6)) - 6/6 - 6 \\
&:= ((7+7)/7) + (7 \times ((7+7) \times (7+7) - 7)) \\
&:= 8 + ((88/8 \times (888/8 + 8)) + 8) \\
&:= 9 + (((9+9) \times (9 \times 9 - 9)) + (99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1326 &:= 11^{1+1+1} - 1 - 1 - 1 - 1 - 1 \\
&:= (2/2 + 2) \times (2 \times 222 - 2) \\
&:= 3 + (((3+3)^{3/3+3}) + 3^3) \\
&:= (4 - 4/4) \times (444 - (4+4)/4) \\
&:= 5/5 + (5 \times (5 \times 55 - (5+5))) \\
&:= (6 \times (6 \times 6 \times 6 + 6)) - 6 \\
&:= (7/7 + 77) \times ((77 - 7)/7 + 7) \\
&:= 8 + (88 \times (8+8) - ((8+8)/8 + 88)) \\
&:= ((9 - 9/9) + 9) \times (9 \times 9 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1327 &:= 11^{1+1+1} - 1 - 1 - 1 - 1 \\
&:= (22/2)^{2/2+2} - 2 - 2 \\
&:= ((33/3)^3) - (3/3 + 3) \\
&:= ((44/4)^{4-4/4}) - 4 \\
&:= (5+5)/5 + (5 \times (5 \times 55 - (5+5))) \\
&:= 6/6 + ((6 \times (6 \times 6 \times 6 + 6)) - 6) \\
&:= 7 \times 77 + (77/7 + 777) \\
&:= 8 + (88 \times (8+8) - (8/8 + 88)) \\
&:= 9 + (((9999/9 + 99) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1328 &:= 11^{1+1+1} - 1 - 1 - 1 \\
&:= 2 \times (((2/2 + 2) \times 222) - 2) \\
&:= ((33/3)^3) - 3 \\
&:= ((4 - 4/4) \times 444) - 4 \\
&:= 5 + ((5 \times (5 \times 55 - (5+5))) - ((5+5)/5)) \\
&:= 6 \times 6 \times 6 + (6666 + 6)/6 \\
&:= 7 + ((7 \times ((7+7) \times (7+7) - 7)) - ((7+7)/7)) \\
&:= 8 + 88 \times (8 - 8/8 + 8) \\
&:= 9 + (((9+9)/9)^{99/9}) - 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1329 &:= 11^{1+1+1} - 1 - 1 \\
&:= (22/2)^{2/2+2} - 2 \\
&:= 3/3 + (((33/3)^3) - 3) \\
&:= (4 - 4/4) \times (444 - 4/4) \\
&:= 5 + ((5 \times (55 + 5)) + (5 - 5/5)^5) \\
&:= 6 \times 6 \times 6 \times 6 + (66 \times 6/(6+6)) \\
&:= 7 + ((7 \times ((7+7) \times (7+7) - 7)) - 7/7) \\
&:= 8 + (88 \times (8 - 8/8 + 8) + 8/8) \\
&:= 9 + 99/9 \times (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1330 &:= 11^{1+1+1} - 1 \\
&:= ((2 + 2 + 2) \times 222) - 2 \\
&:= ((33/3)^3) - 3/3 \\
&:= ((44/4)^{4-4/4}) - 4/4 \\
&:= 5 + (5 \times (5 \times 55 - (5+5))) \\
&:= ((6+6)/6) \times (666 - 6/6) \\
&:= 7 + (7 \times ((7+7) \times (7+7) - 7)) \\
&:= ((88/8)^{88/8-8}) - 8/8 \\
&:= (9/9 + 9 + 9) \times (9 \times 9 - 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1331 &:= 11^{1+1+1} \\
&:= (22/2)^{2/2+2} \\
&:= (33/3)^3 \\
&:= (44/4)^{4-4/4} \\
&:= (55/5)^{5-(5+5)/5} \\
&:= (66/6)^{6 \times 6/(6+6)} \\
&:= (77/7)^{(7+7+7)/7} \\
&:= (88/8)^{88/8-8} \\
&:= (99/9)^{(9+9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1332 &:= 1 + 11^{1+1+1} \\
&:= (2 + 2 + 2) \times 222 \\
&:= 3/3 + ((33/3)^3) \\
&:= (4 - 4/4) \times 444 \\
&:= ((55 + 5)/5) \times 555/5 \\
&:= 6 \times (6 \times 6 \times 6 + 6) \\
&:= (77 + 7)/7 \times 777/7 \\
&:= ((88 + 8)/8) \times 888/8 \\
&:= 9 + ((9+9) \times (9+9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1333 &:= 1 + 1 + 11^{1+1+1} \\
&:= 2 + (22/2)^{2/2+2} \\
&:= 3 + (((33/3)^3) - 3/3) \\
&:= 4/4 + ((4 - 4/4) \times 444) \\
&:= ((555 \times ((55 + 5)/5)) + 5)/5 \\
&:= 6/6 + (6 \times (6 \times 6 \times 6 + 6)) \\
&:= ((777 \times (77 + 7)/7) + 7)/7 \\
&:= 88 \times (8 + 8) - (88/8 + 8 \times 8) \\
&:= 9 + (((9 + 9) \times (9 + 9) + 999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1334 &:= 1 + 1 + 1 + 11^{1+1+1} \\
&:= 2 + ((2 + 2 + 2) \times 222) \\
&:= 3 + ((33/3)^3) \\
&:= 4 + (((44/4)^{4-4/4}) - 4/4) \\
&:= (5 \times (5 \times 55 - 5)) - (55/5 + 5) \\
&:= (6 + 6)/6 + (6 \times (6 \times 6 \times 6 + 6)) \\
&:= 77/7 + (7 \times ((7 + 7) \times (7 + 7) - 7)) \\
&:= 888 + (8 \times (8 \times 8 - 8) - ((8 + 8)/8)) \\
&:= 99/9 + ((9 + 9) \times (9 + 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1335 &:= 1 + 1 + 1 + 1 + 11^{1+1+1} \\
&:= 2 + ((22/2)^{2/2+2} + 2) \\
&:= 3 + (((33/3)^3) + 3/3) \\
&:= 4 + ((44/4)^{4-4/4}) \\
&:= 5 + ((5 \times (5 \times 55 - (5 + 5))) + 5) \\
&:= (6 \times 6/(6 + 6)) + (6 \times (6 \times 6 \times 6 + 6)) \\
&:= (77 + 7)/7 + (7 \times ((7 + 7) \times (7 + 7) - 7)) \\
&:= (8 - 8/8 + 8) \times (8/8 + 88) \\
&:= (9 - (9 \times 9 \times 99))/((9 + 9 + 9)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1336 &:= 1 + 1 + 1 + 1 + 1 + 11^{1+1+1} \\
&:= 2 + (((2 + 2 + 2) \times 222) + 2) \\
&:= 3 + (((33/3)^3) - 3/3 + 3) \\
&:= 4 + ((4 - 4/4) \times 444) \\
&:= 5 + ((55/5)^{5-(5+5)/5}) \\
&:= 6 + (((6 + 6)/6) \times (666 - 6/6)) \\
&:= 7 + (((7 \times ((7 + 7) \times (7 + 7) - 7)) - 7/7) + 7) \\
&:= 888 + 8 \times (8 \times 8 - 8) \\
&:= 9 \times 99 + (((9 \times 9 \times 99) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1337 &:= 1 + 1 + 1 + 1 + 1 + 1 + 11^{1+1+1} \\
&:= 2 + (((22/2)^{2/2+2} + 2) + 2) \\
&:= 3 + (((33/3)^3) + 3) \\
&:= 4 + (((4 - 4/4) \times 444) + 4/4) \\
&:= 5 + (((55 + 5)/5) \times 555/5) \\
&:= 6 + ((66/6)^{6 \times 6/(6+6)}) \\
&:= 7 + ((7 \times ((7 + 7) \times (7 + 7) - 7)) + 7) \\
&:= 8/8 + (8 \times (8 \times 8 - 8) + 888) \\
&:= 9 \times 99 + (((9 \times 9 \times 99) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1338 &:= 11 + 11^{1+1+1} - 1 - 1 - 1 - 1 \\
&:= (2/2 + 2) \times (2 \times 222 + 2) \\
&:= 3 + (((33/3)^3) + 3/3 + 3) \\
&:= (4 + 4)/4 \times ((4/4 + 4)^4 + 44) \\
&:= 5 \times 5 \times 55 - (((5 + 5)/5)^5 + 5) \\
&:= 6 + (6 \times (6 \times 6 \times 6 + 6)) \\
&:= 7 + ((77/7)^{(7+7+7)/7}) \\
&:= 8 + (((88/8)^{88/8-8}) - 8/8) \\
&:= 9 \times 9 \times (9 + 9) - (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1339 &:= 11 + 11^{1+1+1} - 1 - 1 - 1 \\
&:= 2 \times (2 + 2) + (22/2)^{2/2+2} \\
&:= 3 \times 3 + (((33/3)^3) - 3/3) \\
&:= 4 + (((44/4)^{4-4/4}) + 4) \\
&:= (5 \times (5 \times 55 - 5)) - 55/5 \\
&:= 6 + ((6 \times (6 \times 6 \times 6 + 6)) + 6/6) \\
&:= 7 + ((77 + 7)/7 \times 777/7) \\
&:= 8 + ((88/8)^{88/8-8}) \\
&:= 9 + ((9/9 + 9 + 9) \times (9 \times 9 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1340 &:= 11 + 11^{1+1+1} - 1 - 1 \\
&:= (2 \times 22) + (2 + 2 + 2)^{2+2} \\
&:= 3 \times 3 + ((33/3)^3) \\
&:= 44 + ((4 + 4)/4 + 4)^4 \\
&:= (5 \times (5 \times 55 - 5)) - 5 - 5 \\
&:= 6 + ((6 \times (6 \times 6 \times 6 + 6)) + ((6 + 6)/6)) \\
&:= 7 + (((777 \times (77 + 7)/7) + 7)/7) \\
&:= 8 + (((88 + 8)/8) \times 888/8) \\
&:= 9 + (99/9)^{(9+9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1341 &:= 11 + 11^{1+1+1} - 1 \\
&:= (2 \times ((22 + 2 + 2)^2)) - 22/2 \\
&:= 3^3 + ((3 + 3) \times ((3 + 3)^3 + 3)) \\
&:= 44 + (((4 + 4)/4 + 4)^4 + 4/4) \\
&:= 5 + (((55/5)^{5-(5+5)/5}) + 5) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 + 6)) + (6 \times 6/(6 + 6))) \\
&:= 7 + ((7 \times ((7 + 7) \times (7 + 7) - 7)) + (77/7)) \\
&:= 8 + (88 \times (8 + 8) - (88/8 + 8 \times 8)) \\
&:= 9 \times 9 \times (9 + 9) - (99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1342 &:= 11 + 11^{1+1+1} \\
&:= ((2 + 2 + 2) \times (222 + 2)) - 2 \\
&:= 33/3 + ((33/3)^3) \\
&:= 44/4 + ((44/4)^{4-4/4}) \\
&:= 55/5 \times ((555 + 55)/5) \\
&:= 66/6 \times ((666 + 66)/6) \\
&:= 77/7 \times (777 + 77)/7 \\
&:= 88/8 \times ((888 + 88)/8) \\
&:= 99/9 \times (999 + 99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1343 &:= 1 + 11 + 11^{1+1+1} \\
&:= 22/2 + ((2 + 2 + 2) \times 222) \\
&:= 3 + (((33/3)^3) + 3 \times 3) \\
&:= 4 + (((44/4)^{4-4/4}) + 4) + 4 \\
&:= 5 \times 5 \times 55 - ((5 + 5)/5)^5 \\
&:= 66/6 + (6 \times (6 \times 6 \times 6 + 6)) \\
&:= ((77 - 7)/7 + 7) \times ((7 + 7)/7 + 77) \\
&:= 88 \times (8 + 8) - (8/8 + 8 \times 8) \\
&:= ((9 - 9/9) + 9) \times (9 \times 9 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1344 &:= (1 + 11) \times (1 + 111) \\
&:= (2 + 2 + 2) \times (222 + 2) \\
&:= (3/3 + 3) \times (333 + 3) \\
&:= 4 \times ((4 \times (4 \times 4 + 4)) + 4^4) \\
&:= (5 \times 5 - 5/5) \times (55 + 5/5) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 + 6)) + 6) \\
&:= (7 + 7) \times (7 \times (7 + 7) - ((7 + 7)/7)) \\
&:= 8 \times (88 - 8 + 88) \\
&:= ((99 + 9)/9) \times ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1345 &:= 1 + (1 + 11) \times (1 + 111) \\
&:= 2/2 + ((2 + 2 + 2) \times (222 + 2)) \\
&:= 3 + (((33/3)^3) + 33/3) \\
&:= 4/4 + ((4 \times (4 \times 4 + 4^4)) + 4^4) \\
&:= (5 \times (5 \times 55 - 5)) - 5 \\
&:= (((6 + 6) \times (666 + 6)) + 6)/6 \\
&:= 7 + (((77/7)^{(7+7+7)/7}) + 7) \\
&:= 8/8 + 8 \times (88 - 8 + 88) \\
&:= 9 \times (9 + 9 + 9) + (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1346 &:= 1 + 1 + (1 + 11) \times (1 + 111) \\
&:= 2 + ((2 + 2 + 2) \times (222 + 2)) \\
&:= 3 + (((33/3)^3) + 3 \times 3) + 3 \\
&:= 4 + (((44/4)^{4-4/4}) + 44/4) \\
&:= 5/5 + ((5 \times (5 \times 55 - 5)) - 5) \\
&:= ((6 + 6)/6) \times (666 + 6/6 + 6) \\
&:= 7 + (((77 + 7)/7 \times 777/7) + 7) \\
&:= (8 + 8)/8 + 8 \times (88 - 8 + 88) \\
&:= 9 \times 9 \times (9 + 9) - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1347 &:= 1 + 1 + 1 + (1 + 11) \times (1 + 111) \\
&:= 2^{2+2} + (22/2)^{2/2+2} \\
&:= 3 + ((3/3 + 3) \times (333 + 3)) \\
&:= 4 \times 4 + ((44/4)^{4-4/4}) \\
&:= (5 + 5)/5 + ((5 \times (5 \times 55 - 5)) - 5) \\
&:= ((66/6) \times ((666/6 + 6) + 6)) - 6 \\
&:= 7 \times 7 + 77/7 \times (777/7 + 7) \\
&:= 8 + (((88/8)^{88/8-8}) + 8) \\
&:= 9 \times 9 \times (9 + 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1348 &:= 1+1+1+1+(1+11) \times (1+111) \\
&:= 2 \times (((22+2+2)^2) - 2) \\
&:= 3 + (((33/3)^3) + 33/3) + 3) \\
&:= 4 \times ((4-4/4)^4 + 4^4) \\
&:= (5 \times (5 \times 55 - 5)) - (5+5)/5 \\
&:= 6 + ((6 \times (6 \times 6 \times 6 + 6)) + ((66-6)/6)) \\
&:= (77/7 - 7) \times ((7 \times 7 \times 7 - 7) + 7/7) \\
&:= 8 + (((88+8)/8) \times 888/8) + 8) \\
&:= 9 \times 9 \times (9+9) + ((9-999)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1349 &:= 11^{1+1+1} + (1+1) \times (11-1-1) \\
&:= 2/2 + (2 \times (((22+2+2)^2) - 2)) \\
&:= (3 \times (3+3)) + ((33/3)^3) \\
&:= 4/4 + (4 \times ((4-4/4)^4 + 4^4)) \\
&:= (5 \times (5 \times 55 - 5)) - 5/5 \\
&:= 6 + ((6 \times (6 \times 6 \times 6 + 6)) + (66/6)) \\
&:= 7 + (77/7 \times (777+77)/7) \\
&:= (88/8+8) \times ((8 \times 8 - 8/8) + 8) \\
&:= 9 + ((99/9)^{(9+9+9)/9} + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1350 &:= 11^{1+1+1} + (1+1) \times (11-1) - 1 \\
&:= (2 \times (((22+2+2)^2)) - 2) \\
&:= (3+3) \times ((3+3)^3 + 3 \times 3) \\
&:= 4^4 + ((4444-4)/4 - 4 \times 4) \\
&:= 5 \times (5 \times 55 - 5) \\
&:= 6 + (((6 \times (6 \times 6 \times 6 + 6)) + 6) + 6) \\
&:= ((77-7)/7) \times (((7+7)/7)^7 + 7) \\
&:= (8-8/8+8) \times ((8+8)/8 + 88) \\
&:= 9 \times 9 \times (9+9) - (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1351 &:= 11^{1+1+1} + (1+1) \times (11-1) \\
&:= (2 \times (((22+2+2)^2)) - 2/2) \\
&:= 3 \times 3 + (((33/3)^3) + 33/3) \\
&:= 4 + (((44/4)^{4-4/4}) + 4 \times 4) \\
&:= 5/5 + (5 \times (5 \times 55 - 5)) \\
&:= 6 + (((6+6) \times (666+6)) + 6)/6) \\
&:= 77 + (7+7) \times (77+7+7) \\
&:= 8 + (88 \times (8+8) - (8/8+8 \times 8)) \\
&:= 9/9 + (9 \times 9 \times (9+9) - (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1352 &:= 11 \times (1 + (1 + 11^{1+1})) - 1 \\
&:= 2 \times ((22+2+2)^2) \\
&:= 3 + (((33/3)^3) + (3 \times (3+3))) \\
&:= 4 + (4 \times ((4-4/4)^4 + 4^4)) \\
&:= (5+5)/5 + (5 \times (5 \times 55 - 5)) \\
&:= 6 + (((6+6)/6) \times (666+6/6+6)) \\
&:= (7-7/7+7) \times (777/7-7) \\
&:= 8+8 \times (88-8+88) \\
&:= 9 + (((9-9/9)+9) \times (9 \times 9 - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1353 &:= 11 \times (1+1+11^{1+1}) \\
&:= 22 + (22/2)^{2/2+2} \\
&:= 3 + ((3+3) \times ((3+3)^3 + 3 \times 3)) \\
&:= 4 + ((4 \times ((4-4/4)^4 + 4^4)) + 4/4) \\
&:= 5 + ((5 \times (5 \times 55 - 5)) - ((5+5)/5)) \\
&:= 66/6 \times ((666/6+6) + 6) \\
&:= 77/7 \times ((777+77+7)/7) \\
&:= 8 + (8 \times (88-8+88) + 8/8) \\
&:= 9 + (((99+9)/9) \times ((999+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1354 &:= 1+11 \times (1+1+11^{1+1}) \\
&:= 2 + (2 \times (((22+2+2)^2)) \\
&:= (3333+3^{3+3})/3 \\
&:= (44 \times (4^4 - 4) - 4^4)/(4+4) \\
&:= 5 + ((5 \times (5 \times 55 - 5)) - 5/5) \\
&:= ((6+6)/6) \times (666 + (66/6)) \\
&:= (7 \times (7+7) \times (7+7)) - (77/7+7) \\
&:= 8 + (8 \times (88-8+88) + ((8+8)/8)) \\
&:= 9 \times (9+9+9) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1355 &:= 11 + (1+11) \times (1+111) \\
&:= 2 + ((2 \times (((22+2+2)^2)) + 2/2) \\
&:= 3^3 + (((33/3)^3) - 3) \\
&:= (4/4+4) \times ((44/4+4^4) + 4) \\
&:= 5 + (5 \times (5 \times 55 - 5)) \\
&:= 66 + (6 \times 6 \times 6 \times 6 - (6/6+6)) \\
&:= ((7-77)/7) + ((7 \times (7+7) \times (7+7)) - 7) \\
&:= 88/8 + 8 \times (88-8+88) \\
&:= 9 + (9 \times 9 \times (9+9) - ((999+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1356 &:= (1+11) \times (1+1+111) \\
&:= 2 \times (((22+2+2)^2) + 2) \\
&:= (3/3+3) \times ((333+3) + 3) \\
&:= (4-4/4) \times (444+4+4) \\
&:= 5 + ((5 \times (5 \times 55 - 5)) + 5/5) \\
&:= 66 + (6 \times 6 \times 6 \times 6 - 6) \\
&:= (7-7/7) \times (((7+7)/7)^7 + 7 \times (7+7)) \\
&:= ((88+8)/8) + 8 \times (88-8+88) \\
&:= 9 + (9 \times 9 \times (9+9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1357 &:= 1 + (1+11) \times (1+1+111) \\
&:= 2/2 + (2 \times (((22+2+2)^2) + 2)) \\
&:= 3^3 + (((33/3)^3) - 3/3) \\
&:= 4/4 + ((4-4/4) \times (444+4+4)) \\
&:= 5 + ((5 \times (5 \times 55 - 5)) + ((5+5)/5)) \\
&:= 66 + ((6 \times 6 \times 6 \times 6 - 6) + 6/6) \\
&:= (7 \times (7+7) \times (7+7)) - (7/7+7+7) \\
&:= 8 + ((88/8+8) \times ((8 \times 8 - 8/8) + 8)) \\
&:= 9 \times 9 \times (9+9) - ((9+9)/9+99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1358 &:= 1+1+(1+11) \times (1+1+111) \\
&:= 2 + (2 \times (((22+2+2)^2) + 2)) \\
&:= 3^3 + (((33/3)^3) \\
&:= 4 + ((44 \times (4^4 - 4) - 4^4)/(4+4)) \\
&:= (5+5)/5 \times ((5^5 - 5)/5 + 55) \\
&:= 66 + ((6 \times 6 \times 6 \times 6 - 6) + ((6+6)/6)) \\
&:= (7+7) \times (7 \times (7+7) - 7/7) \\
&:= 8 + ((8-8/8+8) \times ((8+8)/8 + 88)) \\
&:= 9 \times 9 \times (9+9) - (9/9+99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1359 &:= 1+1+1+(1+11) \times (1+1+111) \\
&:= 2 + ((2 \times (((22+2+2)^2) + 2)) + 2/2) \\
&:= 3 \times ((3 \times (3+3) \times 3^3) - 33) \\
&:= 4^4 + (4444/4 - (4+4)) \\
&:= 5 \times 5 \times 55 - (55/5+5) \\
&:= 6 + ((66/6) \times ((666/6+6) + 6)) \\
&:= 7/7 + ((7+7) \times (7 \times (7+7) - 7/7)) \\
&:= (8/8+8) \times ((88-8/8) + 8 \times 8) \\
&:= 9 \times 9 \times (9+9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1360 &:= 1+1+1+1+(1+11) \times (1+1+111) \\
&:= 2 \times (((22+2+2)^2) + 2) + 2) \\
&:= 3 + (((33/3)^3) - 3/3) + 3^3) \\
&:= 4 \times (4 \times ((4-4/4)^4 + 4)) \\
&:= 5 + ((5 \times (5 \times 55 - 5)) + 5) \\
&:= ((6+6)/6)^6 + 6 \times 6 \times 6 \times 6 \\
&:= (7 \times (7+7) \times (7+7)) - (77+7)/7) \\
&:= (88-8) \times (8/8+8+8) \\
&:= 9/9 + (9 \times 9 \times (9+9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1361 &:= 11^{1+1+1} + (11-1) \times (1+1+1) \\
&:= 2/2 + (2 \times (((22+2+2)^2) + 2) + 2)) \\
&:= 3 + (((33/3)^3) + 3^3) \\
&:= 4/4 + (4 \times (4 \times ((4-4/4)^4 + 4))) \\
&:= 55/5 + (5 \times (5 \times 55 - 5)) \\
&:= 66 + (6 \times 6 \times 6 \times 6 - 6/6) \\
&:= (7 \times (7+7) \times (7+7)) - 77/7) \\
&:= 8/8 + (88-8) \times (8/8+8+8) \\
&:= (9+9)/9 + (9 \times 9 \times (9+9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1362 &:= 11 \times (1+1+1+11^{1+1}) - 1 - 1 \\
&:= (22 \times (2^{2+2+2} - 2)) - 2 \\
&:= (3+3) \times ((3+3)^3 + 33/3) \\
&:= 4^4 + ((4444-4)/4 - 4) \\
&:= (5+5)/5 \times ((5^5 + 5)/5 + 55) \\
&:= 66 + 6 \times 6 \times 6 \times 6 \\
&:= ((7-77)/7) + (7 \times (7+7) \times (7+7)) \\
&:= (8+8)/8 + (88-8) \times (8/8+8+8) \\
&:= 999 + ((99 \times 99)/(9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1363 &:= 11 \times (1 + 1 + 1 + 11^{1+1}) - 1 \\
&:= 22/2 + (2 \times ((22 + 2 + 2)^2)) \\
&:= 33 + (((33/3)^3) - 3/3) \\
&:= 4^4 + (4444/4 - 4) \\
&:= 5 \times 5 \times 55 - (55 + 5)/5 \\
&:= 66 + (6 \times 6 \times 6 \times 6 + 6/6) \\
&:= (7 \times (7 + 7) \times (7 + 7)) - ((7 + 7)/7 + 7) \\
&:= 8 + (8 \times (88 - 8 + 88) + (88/8)) \\
&:= 9 + (9999/9 + 9 \times (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1364 &:= 11 \times (1 + 1 + 1 + 11^{1+1}) \\
&:= 22 \times (2^{2+2+2} - 2) \\
&:= 33 + ((33/3)^3) \\
&:= 44 \times (4 \times (4 + 4) - 4/4) \\
&:= 5 \times 5 \times 55 - 55/5 \\
&:= 66 + (6 \times 6 \times 6 \times 6 + ((6 + 6)/6)) \\
&:= (7 \times (7 + 7) \times (7 + 7)) - (7/7 + 7) \\
&:= 88 \times (8 + 8) - (88/((8 + 8)/8)) \\
&:= 999 + (((9 \times 9 \times 9 \times 9) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1365 &:= 1 + 11 \times (1 + 1 + 1 + 11^{1+1}) \\
&:= 2/2 + (22 \times (2^{2+2+2} - 2)) \\
&:= 3/3 + (((33/3)^3) + 33) \\
&:= (((4 + 4)^4) - 4/4)/(4 - 4/4) \\
&:= 5 \times 5 \times 55 - 5 - 5 \\
&:= (6/6 + 6 + 6) \times (666/6 - 6) \\
&:= (7 \times (7 + 7) \times (7 + 7)) - 7 \\
&:= (8 - 8/8 + 8) \times ((88/8 - 8) + 88) \\
&:= 9 \times (9 \times (9 + 9) - 9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1366 &:= 11 + (1 + 11) \times (1 + 1 + 111) - 1 \\
&:= 2 + (22 \times (2^{2+2+2} - 2)) \\
&:= 3 + (((33/3)^3) - 3/3) + 33 \\
&:= 4^4 + (4444 - 4)/4 \\
&:= 5/5 + (5 \times 5 \times 55 - (5 + 5)) \\
&:= 6 + (((6 + 6)/6)^6 + 6 \times 6 \times 6 \times 6) \\
&:= 7/7 + ((7 \times (7 + 7) \times (7 + 7)) - 7) \\
&:= 88 + ((8 + 8) \times (88 - 8) - ((8 + 8)/8)) \\
&:= 9 \times (9 \times (9 + 9) - 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1367 &:= 11 + (1 + 11) \times (1 + 1 + 111) \\
&:= (((2 + 2 + 2)^2 + 2/2)^2) - 2 \\
&:= 3 + (((33/3)^3) + 33) \\
&:= 4^4 + 4444/4 \\
&:= (5 + 5)/5 + (5 \times 5 \times 55 - (5 + 5)) \\
&:= (6 \times (6 \times 6 \times 6 + 6 + 6)) - 6/6 \\
&:= ((7 + 7)/7) + ((7 \times (7 + 7) \times (7 + 7)) - 7) \\
&:= 88 + ((8 + 8) \times (88 - 8) - 8/8) \\
&:= 9 \times (9 \times (9 + 9) - 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1368 &:= (1 + 11) \times (1 + 1 + 1 + 111) \\
&:= (2 \times 22^2) + (22 - 2)^2 \\
&:= (3 + 3) \times (((3 + 3)^3 + 3 \times 3) + 3) \\
&:= 4 + (44 \times (4 \times (4 + 4) - 4/4)) \\
&:= 5 \times 5 \times 55 - ((5 + 5)/5 + 5) \\
&:= 6 \times (6 \times 6 \times 6 + 6 + 6) \\
&:= (77/7 + 7) \times (77 - 7/7) \\
&:= 88 + (8 + 8) \times (88 - 8) \\
&:= 9 \times (9 \times (9 + 9) - 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1369 &:= (111/(1 + 1 + 1))^{1+1} \\
&:= ((2 + 2 + 2)^2 + 2/2)^2 \\
&:= (3/3 + 33 + 3)^{3-3/3} \\
&:= 4 + (((4 + 4)^4) - 4/4)/(4 - 4/4) \\
&:= 5 \times 5 \times 55 - (5/5 + 5) \\
&:= (6 \times 6 + 6/6)^{(6+6)/6} \\
&:= (7 \times (7 + 7) \times (7 + 7)) - (7 + 7 + 7)/7 \\
&:= 8/8 + ((8 + 8) \times (88 - 8) + 88) \\
&:= 9/9 + (9 \times (9 \times (9 + 9) - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1370 &:= 1 + (111/(1 + 1 + 1))^{1+1} \\
&:= 2 + ((2 \times 22^2) + (22 - 2)^2) \\
&:= 3 + (((33/3)^3) + 33) + 3 \\
&:= 4 + ((4444 - 4)/4 + 4^4) \\
&:= 5 \times 5 \times 55 - 5 \\
&:= 6/6 + ((6 \times 6 + 6/6)^{(6+6)/6}) \\
&:= (7 \times (7 + 7) \times (7 + 7)) - (7 + 7)/7 \\
&:= 88 + ((8 + 8) \times (88 - 8) + ((8 + 8)/8)) \\
&:= (9 + 9)/9 + (9 \times (9 \times (9 + 9) - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1371 &:= 1 + 1 + (111/(1 + 1 + 1))^{1+1} \\
&:= 2 + (((2 + 2 + 2)^2 + 2/2)^2) \\
&:= 3 + ((3 \times ((3 + 3)^3 - 3)) + 3^{3+3}) \\
&:= 4 + (4444/4 + 4^4) \\
&:= 5/5 + (5 \times 5 \times 55 - 5) \\
&:= 666/6 + (6 \times (6 \times 6 \times 6 - 6)) \\
&:= (7 \times (7 + 7) \times (7 + 7)) - 7/7 \\
&:= 88/8 + (88 - 8) \times (8/8 + 8 + 8) \\
&:= 9 \times 9 \times (9 + 9) + (((99 + 9)/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1372 &:= (1 + 1 + 1 + 11)^{1+1+1}/(1 + 1) \\
&:= 22^2 + (2 \times 2 \times 222) \\
&:= (3/3 + 3) \times (((3/3 + 3) + 3)^3) \\
&:= ((4 + 4) \times (4 \times 44 - 4)) - 4 \\
&:= (5 + 5)/5 + (5 \times 5 \times 55 - 5) \\
&:= 6 + (((6 + 6)/6)^6 + 6 \times 6 \times 6 \times 6) + 6 \\
&:= 7 \times (7 + 7) \times (7 + 7) \\
&:= 888 + 88 \times 88/(8 + 8) \\
&:= 99 + (9999/9 + 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1373 &:= 1 + (1 + 1 + 1 + 11)^{1+1+1}/(1 + 1) \\
&:= 2 + (((2 + 2 + 2)^2 + 2/2)^2) + 2 \\
&:= 3 \times 3 + (((33/3)^3) + 33) \\
&:= 4/4 + (((4 + 4) \times (4 \times 44 - 4)) - 4) \\
&:= 5 \times 5 \times 55 - (5 + 5)/5 \\
&:= 6 + ((6 \times (6 \times 6 \times 6 + 6 + 6)) - 6/6) \\
&:= 7/7 + (7 \times (7 + 7) \times (7 + 7)) \\
&:= 8 \times 8 + (88/8 \times (888/8 + 8)) \\
&:= ((9 - 9 \times 9)/(9 + 9)) + 9 \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1374 &:= 11 \times (1 + 1 + 1 + 1 + 11^{1+1}) - 1 \\
&:= 22 + (2 \times ((22 + 2 + 2)^2)) \\
&:= 3^{3+3} + (3 \times (3 + 3)^3 - 3) \\
&:= ((4 + 4) \times (4 \times 44 - 4)) - (4 + 4)/4 \\
&:= 5 \times 5 \times 55 - 5/5 \\
&:= 6 + (6 \times (6 \times 6 \times 6 + 6 + 6)) \\
&:= ((7 + 7)/7) + (7 \times (7 + 7) \times (7 + 7)) \\
&:= ((8 + 8)/8) \times (8 \times 88 - (8/8 + 8 + 8)) \\
&:= 9 \times (9 \times (9 + 9) - 9) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1375 &:= 11 \times (1 + 1 + 1 + 1 + 11^{1+1}) \\
&:= (2 \times 22) + (22/2)^{2/2+2} \\
&:= 33/3 \times ((3 - 3/3 + 3)^3) \\
&:= 44 + ((44/4)^{4-4/4}) \\
&:= 5 \times 5 \times 55 \\
&:= 6 + ((6 \times 6 + 6/6)^{(6+6)/6}) \\
&:= 7 + ((77/7 + 7) \times (77 - 7/7)) \\
&:= ((8 + 8) \times (88 - ((8 + 8)/8))) - 8/8 \\
&:= 9 \times (9 \times (9 + 9) - 9) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1376 &:= 1 + (11 \times (1 + 1 + 1 + 1 + 11^{1+1})) \\
&:= 2^{2+2} \times (2 \times 2 \times 22 - 2) \\
&:= 3 + (((33/3)^3) + 33) + 3 \times 3 \\
&:= (4 + 4) \times (4 \times 44 - 4) \\
&:= 5/5 + 5 \times 5 \times 55 \\
&:= 6 + (((6 \times 6 + 6/6)^{(6+6)/6}) + 6/6) \\
&:= 77/7 + ((7 \times (7 + 7) \times (7 + 7)) - 7) \\
&:= (8 + 8) \times (88 - ((8 + 8)/8)) \\
&:= 9 \times (9 \times (9 + 9) - 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1377 &:= 1 + 1 + 11 \times (1 + 1 + 1 + 1 + 11^{1+1}) \\
&:= 2 + ((22/2)^{2/2+2} + 2 \times 22) \\
&:= 3^3 \times ((3^3 - 3) + 3^3) \\
&:= 4/4 + ((4 + 4) \times (4 \times 44 - 4)) \\
&:= (5 + 5)/5 + 5 \times 5 \times 55 \\
&:= 6 + ((6 \times (6 \times 6 \times 6 - 6)) + 666/6) \\
&:= 7 + ((7 \times (7 + 7) \times (7 + 7)) - ((7 + 7)/7)) \\
&:= 8/8 + ((8 + 8) \times (88 - ((8 + 8)/8))) \\
&:= 9 \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1378 &:= 11 + 11 + (1 + 11) \times (1 + 1 + 111) \\
&:= (2 \times (22 - 2))^2 - 222 \\
&:= 3 + (33/3 \times ((3 - 3/3 + 3)^3)) \\
&:= 4^4 + (4444 + 44)/4 \\
&:= 5 + (5 \times 5 \times 55 - ((5 + 5)/5)) \\
&:= ((66 - 6)/6) + (6 \times (6 \times 6 \times 6 + 6 + 6)) \\
&:= 7 + ((7 \times (7 + 7) \times (7 + 7)) - 7/7) \\
&:= (8 + 8)/8 + ((8 + 8) \times (88 - ((8 + 8)/8))) \\
&:= 9/9 + 9 \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1379 &:= 11 + (1 + 11) \times (1 + 1 + 1 + 111) \\
&:= 2/2 + (2 \times (22 - 2))^2 - 222 \\
&:= 3 \times 3^3 + (((33/3)^3) - 33) \\
&:= 4 + (((44/4)^{4-4/4}) + 44) \\
&:= 5 + (5 \times 5 \times 55 - 5/5) \\
&:= 66/6 + (6 \times (6 \times 6 \times 6 + 6 + 6)) \\
&:= 7 + (7 \times (7 + 7) \times (7 + 7)) \\
&:= 88 + ((8 + 8) \times (88 - 8) + (88/8)) \\
&:= (9 + 9)/9 + 9 \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1380 &:= 11 + ((111/(1 + 1 + 1))^{1+1}) \\
&:= 2 + (2 \times (22 - 2))^2 - 222 \\
&:= 3 + (3 \times (3 + 3)^3 + 3^{3+3}) \\
&:= 4 + ((4 + 4) \times (4 \times 44 - 4)) \\
&:= 5 + 5 \times 5 \times 55 \\
&:= 6 + ((6 \times (6 \times 6 \times 6 + 6 + 6)) + 6) \\
&:= 7 + ((7 \times (7 + 7) \times (7 + 7)) + 7/7) \\
&:= 8 + (88 \times 88/(8 + 8) + 888) \\
&:= ((9 + 9 + 9)/9) + 9 \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1381 &:= 1 + 11 + ((111/(1 + 1 + 1))^{1+1}) \\
&:= 2 + (2 \times (22 - 2))^2 - 222 + 2/2 \\
&:= 3 + ((33/3 \times ((3 - 3/3 + 3)^3)) + 3) \\
&:= 4 + (((4 + 4) \times (4 \times 44 - 4)) + 4/4) \\
&:= 5 + (5 \times 5 \times 55 + 5/5) \\
&:= 6 + (((6 \times 6 + 6/6)^{(6+6)/6}) + 6) \\
&:= 7 + ((7 \times (7 + 7) \times (7 + 7)) + ((7 + 7)/7)) \\
&:= 88 \times (8 + 8) - (88/8 + 8 + 8) \\
&:= 9 \times (9 \times (9 + 9) - 9) + ((9 \times 9 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1382 &:= 1 + 1 + 11 + ((111/(1 + 1 + 1))^{1+1}) \\
&:= 2 + (2 \times (22 - 2))^2 - 222 + 2 \\
&:= 3^3 + (((33/3)^3) - 3) + 3^3 \\
&:= (44 \times (4^4 - 4)/(4 + 4)) - 4 \\
&:= 5 + (5 \times 5 \times 55 + ((5 + 5)/5)) \\
&:= (((6 + 6)/6)^{66/6}) - 666 \\
&:= ((77 - 7)/7) + (7 \times (7 + 7) \times (7 + 7)) \\
&:= (8 - 88)/8 + ((8 + 8) \times (88 - 8/8)) \\
&:= 9 \times (9 \times (9 + 9) - 9) + ((9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1383 &:= 11 + ((1 + 1 + 1 + 11)^{1+1+1})/(1 + 1) \\
&:= (2/2 + 2) \times (22^2 - 22 - 2/2) \\
&:= (33 \times (3 \times 3 + 33)) - 3 \\
&:= 4 \times 4 + (4444/4 + 4^4) \\
&:= 5 + ((5 \times 5 \times 55 - ((5 + 5)/5)) + 5) \\
&:= ((66 \times (6 \times 6 + 6)) - 6)/((6 + 6)/6) \\
&:= 77/7 + (7 \times (7 + 7) \times (7 + 7)) \\
&:= 88 \times (8 + 8) - (8/8 + 8 + 8 + 8) \\
&:= 9 + (9 \times (9 \times (9 + 9) - 9) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1384 &:= 1 + 11 + (1 + 1 + 1 + 11)^{1+1+1}/(1 + 1) \\
&:= 2 \times (((22 + 2 + 2)^2) + 2^{2+2}) \\
&:= 3/3 + ((33 \times (3 \times 3 + 33)) - 3) \\
&:= 4 + (((4 + 4) \times (4 \times 44 - 4)) + 4) \\
&:= 5 + ((5 \times 5 \times 55 - 5/5) + 5) \\
&:= ((66 \times ((66 - 6) + 66)) - (6 + 6))/6 \\
&:= (77 + 7)/7 + (7 \times (7 + 7) \times (7 + 7)) \\
&:= 88 \times (8 + 8) - 8 - 8 - 8 \\
&:= 9 + (9 \times (9 \times (9 + 9) - 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1385 &:= 11^{1+1+1} + ((111 - 1)/(1 + 1) - 1) \\
&:= 2^{2+2} + (((2 + 2 + 2)^2 + 2/2)^2) \\
&:= 3^3 + (((33/3)^3) + 3^3) \\
&:= (44 \times (4^4 - 4)/(4 + 4)) - 4/4 \\
&:= 5 + (5 \times 5 \times 55 + 5) \\
&:= ((66 \times ((66 - 6) + 66)) - 6)/6 \\
&:= (77 \times (77/7 + 7)) - 7/7 \\
&:= 8/8 + (88 \times (8 + 8) - (8 + 8 + 8)) \\
&:= 9 + (9 \times (9 \times (9 + 9) - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1386 &:= 11 \times (1 + 1 + 1 + 1 + 1 + 11^{1+1}) \\
&:= 22 \times (2^{2+2+2} - 2/2) \\
&:= 33 \times (3 \times 3 + 33) \\
&:= 44 \times (4^4 - 4)/(4 + 4) \\
&:= 55/5 + 5 \times 5 \times 55 \\
&:= 6 \times ((66 \times (6 \times 6 + 6))/(6 + 6)) \\
&:= 77 \times (77/7 + 7) \\
&:= ((8 + 8)/8) \times (8 \times 88 - (88/8)) \\
&:= 9 + 9 \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1387 &:= 11^{1+1+1} + (1 + 111)/(1 + 1) \\
&:= 2/2 + (22 \times (2^{2+2+2} - 2/2)) \\
&:= 3/3 + (33 \times (3 \times 3 + 33)) \\
&:= 4/4 + (44 \times (4^4 - 4)/(4 + 4)) \\
&:= 5 \times 5 \times 55 + (55 + 5)/5 \\
&:= ((66 \times ((66 - 6) + 66)) + 6)/6 \\
&:= 7/7 + (77 \times (77/7 + 7)) \\
&:= (88/8 + 8) \times ((8/8 + 8 \times 8) + 8) \\
&:= 9 + (9 \times (9 \times (9 + 9) - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1388 &:= 1 + 11^{1+1+1} + (1 + 111)/(1 + 1) \\
&:= 2 + (22 \times (2^{2+2+2} - 2/2)) \\
&:= 3 + (((33/3)^3) + 3^3) + 3^3 \\
&:= (4 \times ((4 + 4) \times 44 - 4)) - 4 \\
&:= 5 \times 5 \times 55 + (55 + 5 + 5)/5 \\
&:= 6 + (((6 + 6)/6)^{66/6}) - 666 \\
&:= ((7 + 7)/7) + (77 \times (77/7 + 7)) \\
&:= 88 \times (8 + 8) - ((88 + 8)/8 + 8) \\
&:= 99/9 + 9 \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1389 &:= (1 + 11111)/(1 + 1)^{1+1+1} \\
&:= 22 + (((2 + 2 + 2)^2 + 2/2)^2) - 2) \\
&:= 3 + (33 \times (3 \times 3 + 33)) \\
&:= 4/4 + ((4 \times ((4 + 4) \times 44 - 4)) - 4) \\
&:= 5 \times (5 \times 55 + 5) - 55/5 \\
&:= 666 + (((6 \times 6/(6 + 6))^6) - 6) \\
&:= 7 + ((7 \times (7 + 7) \times (7 + 7)) + ((77 - 7)/7)) \\
&:= 88 \times (8 + 8) - (88/8 + 8) \\
&:= ((99 + 9)/9) + 9 \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1390 &:= 11 \times 111 + (1 + 1 + 11)^{1+1} \\
&:= (2 \times (222 + 22^2)) - 22 \\
&:= 3 + ((33 \times (3 \times 3 + 33)) + 3/3) \\
&:= 4 + (44 \times (4^4 - 4)/(4 + 4)) \\
&:= 5 + ((5 \times 5 \times 55 + 5) + 5) \\
&:= 666 + ((66 \times 66 - 6 - 6)/6) \\
&:= 7 + ((7 \times (7 + 7) \times (7 + 7)) + (77/7)) \\
&:= ((8 + 8)/8) \times (8 \times 88 - (8/8 + 8)) \\
&:= 9 \times 99 + (((9 \times 999) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1391 &:= (1 + 1 + 11) \times (111 - 1 - 1 - 1 - 1) \\
&:= 22 + (((2 + 2 + 2)^2 + 2/2)^2) \\
&:= 3^3 + (((33/3)^3) + 33) \\
&:= (4 \times ((4 + 4) \times 44 - 4)) - 4/4 \\
&:= 5 + (5 \times 5 \times 55 + (55/5)) \\
&:= 666 + ((66 \times 66 - 6)/6) \\
&:= 7 + ((7 \times (7 + 7) \times (7 + 7)) + (77 + 7)/7) \\
&:= 88 \times (8 + 8) - (8/8 + 8 + 8) \\
&:= 9 \times 99 + (((9 \times 999) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1392 &:= (1 + 11) \times (1 + 1 + 1 + 1 + 1 + 111) \\
&:= 2 \times (((22 + 2 + 2)^2) - 2) + 22) \\
&:= 3 + ((33 \times (3 \times 3 + 33)) + 3) \\
&:= 4 \times ((4 + 4) \times 44 - 4) \\
&:= 5 + (5 \times 5 \times 55 + ((55 + 5)/5)) \\
&:= 66 + ((6 \times (6 \times 6 \times 6 + 6)) - 6) \\
&:= 7 + ((77 \times (77/7 + 7)) - 7/7) \\
&:= (8 + 8) \times (88 - 8/8) \\
&:= 9 \times 99 + (((9 + 9)/9)^9) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1393 &:= 1 + ((1 + 11) \times (1 + 1 + 1 + 1 + 1 + 111)) \\
&:= 2 + (((2 + 2 + 2)^2 + 2/2)^2) + 22 \\
&:= ((3 + 3) \times (3^{3+3} - 33)) + 3/3 \\
&:= 4/4 + (4 \times ((4 + 4) \times 44 - 4)) \\
&:= 5 \times (5 \times 55 + 5) - ((5 + 5)/5 + 5) \\
&:= 666 + ((66 \times 66 + 6)/6) \\
&:= 7 + (77 \times (77/7 + 7)) \\
&:= 8/8 + ((8 + 8) \times (88 - 8/8)) \\
&:= 9 + (9 \times (9 \times (9 + 9) - 9) - ((9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1394 &:= (1 + 1 + (1 + 111)^{1+1}) / (11 - 1 - 1) \\
&:= 2 \times ((22/2)^2 + ((22 + 2)^2)) / 2 \\
&:= 3 + (((33/3)^3) + 33) + 3^3 \\
&:= 4 + ((44 \times (4^4 - 4) / (4 + 4)) + 4) \\
&:= 5 \times (5 \times 55 + 5) - (5/5 + 5) \\
&:= 666 + (((6 \times 6 / (6 + 6))^6) - 6/6) \\
&:= 7 + ((77 \times (77/7 + 7)) + 7/7) \\
&:= (8 + 8) / 8 + ((8 + 8) \times (88 - 8/8)) \\
&:= 9 \times 99 + (((9 + 9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1395 &:= (11 - 1 - 1) \times (11 + (1 + 11)^{1+1}) \\
&:= 2^{2+2+2} + (22/2)^{2/2+2} \\
&:= (3 \times 3 + 3)^3 - 333 \\
&:= 4 + ((4 \times ((4 + 4) \times 44 - 4)) - 4/4) \\
&:= 5 \times (5 \times 55 + 5) - 5 \\
&:= 666 + ((6 \times 6 / (6 + 6))^6) \\
&:= 7 + ((77 \times (77/7 + 7)) + ((7 + 7)/7)) \\
&:= 8 \times 8 + ((88/8)^{88/8-8}) \\
&:= 9 + (9 \times (9 \times (9 + 9) - 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1396 &:= 1 + ((11 - 1 - 1) \times (11 + (1 + 11)^{1+1})) \\
&:= 2 \times (((22 + 2 + 2)^2) + 22) \\
&:= 3/3 + ((3 \times 3 + 3)^3 - 333) \\
&:= 4 + (4 \times ((4 + 4) \times 44 - 4)) \\
&:= 5/5 + (5 \times (5 \times 55 + 5) - 5) \\
&:= ((6 + 6)/6)^6 + (6 \times (6 \times 6 \times 6 + 6)) \\
&:= ((77 - 7)/7) + (77 \times (77/7 + 7)) \\
&:= 88 \times (8 + 8) - (88 + 8)/8 \\
&:= 9 + (9 \times (9 \times (9 + 9) - 9) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1397 &:= 11 \times (111 + (1 + 1)^{1+1+1+1}) \\
&:= 22/2 \times ((2^{2 \times (2+2)} - 2)/2) \\
&:= 33 + (((33/3)^3) + 33) \\
&:= 4 \times (4 + 4) \times 44 - 44/4 \\
&:= (5 + 5)/5 + (5 \times (5 \times 55 + 5) - 5) \\
&:= 66 + ((66/6)^{6 \times 6 / (6+6)}) \\
&:= 77/7 + (77 \times (77/7 + 7)) \\
&:= 88 \times (8 + 8) - 88/8 \\
&:= 9 + (9 \times (9 \times (9 + 9) - 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1398 &:= 1 + (11 \times (111 + (1 + 1)^{1+1+1+1})) \\
&:= 2 + (2 \times (((22 + 2 + 2)^2) + 22)) \\
&:= 3 + ((3 \times 3 + 3)^3 - 333) \\
&:= (4 - 44) / 4 + 4 \times (4 + 4) \times 44 \\
&:= 5 \times (5 \times 55 + 5) - (5 + 5) / 5 \\
&:= 66 + (6 \times (6 \times 6 \times 6 + 6)) \\
&:= ((7 + 7) / 7) \times (777 - (7/7 + 77)) \\
&:= (8 - 88) / 8 + 88 \times (8 + 8) \\
&:= 9 + (9 \times (9 \times (9 + 9) - 9) + ((99 + 9) / 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1399 &:= 1111 + ((1 + 1) \times (1 + 11)^{1+1}) \\
&:= (2222 + ((22 + 2)^2)) / 2 \\
&:= 3 + (((3 \times 3 + 3)^3 - 333) + 3/3) \\
&:= 4 \times (4 + 4) \times 44 - ((4/4 + 4) + 4) \\
&:= 5 \times (5 \times 55 + 5) - 5/5 \\
&:= 66 + ((6 \times (6 \times 6 \times 6 + 6)) + 6/6) \\
&:= (((7 + 7) \times (777 - 77)) - 7) / 7 \\
&:= 88 \times (8 + 8) - (8/8 + 8) \\
&:= 999 + ((99/9 + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1400 &:= (1 + (1 + 1 + 11)) \times (11 - 1)^{1+1} \\
&:= 2 \times (2 \times ((22 \times 2^{2+2}) - 2)) \\
&:= 3 + (((33/3)^3) + 33) + 33 \\
&:= (4 + 4) \times (4 \times 44 - 4/4) \\
&:= 5 \times (5 \times 55 + 5) \\
&:= 66 + ((6 \times (6 \times 6 \times 6 + 6)) + ((6 + 6) / 6)) \\
&:= 7 + ((77 \times (77/7 + 7)) + 7) \\
&:= 88 \times (8 + 8) - 8 \\
&:= (99/9 + 9) \times (9 \times 9 - 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1401 &:= 11^{1+1+1} + (11 - 1 - 1)^{1+1} - 11 \\
&:= 2 + ((2222 + ((22 + 2)^2)) / 2) \\
&:= (3 \times ((3 + 3) \times (3 \times 3^3 - 3))) - 3 \\
&:= 4 + (4 \times (4 + 4) \times 44 - 44/4) \\
&:= 5/5 + 5 \times (5 \times 55 + 5) \\
&:= 6 + (((6 \times 6 / (6 + 6))^6) + 666) \\
&:= (77/7 \times ((7 + 7) / 7)^7) - 7 \\
&:= 8/8 + (88 \times (8 + 8) - 8) \\
&:= 9 \times 9 + 99/9 \times (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1402 &:= (1 + 1 + 11) \times (111 - 1 - 1 - 1) - 1 - 1 \\
&:= 2 + (2 \times (2 \times ((22 \times 2^{2+2}) - 2))) \\
&:= ((33/3)^3) + (((3 + 3)^3 - 3) / 3) \\
&:= 4 \times 4 + (44 \times (4^4 - 4) / (4 + 4)) \\
&:= (5 + 5) / 5 + 5 \times (5 \times 55 + 5) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 + 6)) + ((6 + 6) / 6)^6) \\
&:= (((77 \times ((7 + 7) / 7)^7) + 7) / 7) - 7 \\
&:= (8 + 8) / 8 + (88 \times (8 + 8) - 8) \\
&:= 9 \times 99 + (((9 + 9) / 9)^9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1403 &:= (1 + 1 + 11) \times (111 - 1 - 1 - 1) - 1 \\
&:= 22 \times 2^{2+2+2} - (2/2 + 2 + 2) \\
&:= (3 \times (3^3 - 3)) + ((33/3)^3) \\
&:= 4 \times (4 + 4) \times 44 - (4/4 + 4) \\
&:= 5 + (5 \times (5 \times 55 + 5) - ((5 + 5) / 5)) \\
&:= (6 \times ((6 \times 6 \times 6 + 6 + 6) + 6)) - 6/6 \\
&:= (((7 + 7 + 7) / 7)^7) - (777 + 7) \\
&:= 88/8 + ((8 + 8) \times (88 - 8/8)) \\
&:= 9 \times 99 + (((9 + 9) / 9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1404 &:= (1 + 1 + 11) \times (111 - 1 - 1 - 1) \\
&:= 2 \times ((2 \times (22 \times 2^{2+2})) - 2) \\
&:= 3 \times ((3 + 3) \times (3 \times 3^3 - 3)) \\
&:= 4 \times (4 + 4) \times 44 - 4 \\
&:= 5 + (5 \times (5 \times 55 + 5) - 5/5) \\
&:= 6 \times ((6 \times 6 \times 6 + 6 + 6) + 6) \\
&:= (77/7 + 7) \times (7/7 + 77) \\
&:= 88 \times (8 + 8) - (8 / ((8 + 8) / 8)) \\
&:= 9 + (9 \times (9 \times (9 + 9) - 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1405 &:= 1 + ((1 + 1 + 11) \times (111 - 1 - 1 - 1)) \\
&:= 22 \times 2^{2+2+2} - 2/2 - 2 \\
&:= 3/3 + (3 \times ((3 + 3) \times (3 \times 3^3 - 3))) \\
&:= 4/4 + (4 \times (4 + 4) \times 44 - 4) \\
&:= 5 + 5 \times (5 \times 55 + 5) \\
&:= 6 \times 6 + ((6 \times 6 + 6/6)^{(6+6)/6}) \\
&:= 7 \times (7 \times 7 - 7) + 7777/7 \\
&:= 8 + (88 \times (8 + 8) - (88/8)) \\
&:= 9 + (((9 \times (9 \times (9 + 9) - 9) + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1406 &:= ((1 + 1 + 11) \times (111 - 1 - 1)) - 11 \\
&:= 22 \times 2^{2+2+2} - 2 \\
&:= 3 + ((3 \times (3^3 - 3)) + ((33/3)^3)) \\
&:= 4 \times (4 + 4) \times 44 - (4 + 4) / 4 \\
&:= 5 + (5 \times (5 \times 55 + 5) + 5/5) \\
&:= 6 \times 6 \times 6 \times 6 + (666 - 6) / 6 \\
&:= ((77 \times ((7 + 7) / 7)^7) - (7 + 7)) / 7 \\
&:= 88 \times (8 + 8) - (8 + 8) / 8 \\
&:= 9 + (9 \times (9 \times (9 + 9) - 9) + (99/9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1407 &:= 111 + ((1 + 1 + 1) \times (1 + 11))^{1+1} \\
&:= 22 \times 2^{2+2+2} - 2/2 \\
&:= 3 + (3 \times ((3 + 3) \times (3 \times 3^3 - 3))) \\
&:= 4 \times (4 + 4) \times 44 - 4/4 \\
&:= 5 \times 5 \times 55 + ((5 + 5) / 5)^5 \\
&:= 666/6 + 6 \times 6 \times 6 \times 6 \\
&:= (7 \times ((7 + 7) \times (7 + 7) + 7)) - (7 + 7) \\
&:= 88 \times (8 + 8) - 8/8 \\
&:= 999/9 + ((9 + 9) \times (9 \times 9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1408 &:= 11 \times ((1+1)^{1+(1+1) \times (1+1+1)}) \\
&:= 22 \times 2^{2+2+2} \\
&:= 33/3 \times (((3-3/3+3)^3) + 3) \\
&:= 4 \times (4+4) \times 44 \\
&:= ((5+5)/5)^5 \times (55 - (55/5)) \\
&:= 66/6 \times (((6+6)/6)^{6/6+6}) \\
&:= 77/7 \times ((7+7)/7)^7 \\
&:= 88 \times (8+8) \\
&:= 99/9 \times (((99/9+99) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1409 &:= 1 + 11 \times ((1+1)^{1+(1+1) \times (1+1+1)}) \\
&:= 2/2 + 22 \times 2^{2+2+2} \\
&:= 3 \times 3^3 + (((33/3)^3) - 3) \\
&:= 4/4 + 4 \times (4+4) \times 44 \\
&:= 5 + ((5 \times (5 \times 55 + 5) - 5/5) + 5) \\
&:= 6 + ((6 \times ((6 \times 6 \times 6 + 6 + 6) + 6)) - 6/6) \\
&:= ((77 \times ((7+7)/7)^7) + 7)/7 \\
&:= 8/8 + 88 \times (8+8) \\
&:= 9 + ((99/9+9) \times (9 \times 9 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1410 &:= (11-1) \times ((1+11)^{1+1} - 1 - 1 - 1) \\
&:= 2 + 22 \times 2^{2+2+2} \\
&:= 3 + ((3 \times ((3+3) \times (3 \times 3^3 - 3))) + 3) \\
&:= (4+4)/4 + 4 \times (4+4) \times 44 \\
&:= 5 + (5 \times (5 \times 55 + 5) + 5) \\
&:= 6 + (6 \times ((6 \times 6 \times 6 + 6 + 6) + 6)) \\
&:= (((7+7+7)/7)^7) - 777 \\
&:= (8+8)/8 + 88 \times (8+8) \\
&:= ((99/9) \times ((999/9+9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1411 &:= 1 + (11-1) \times ((1+11)^{1+1} - 1 - 1 - 1) \\
&:= 2 + (22 \times 2^{2+2+2} + 2/2) \\
&:= 3 \times 3^3 + (((33/3)^3) - 3/3) \\
&:= 4 + (4 \times (4+4) \times 44 - 4/4) \\
&:= 55/5 + 5 \times (5 \times 55 + 5) \\
&:= 6 + ((6 \times ((6 \times 6 \times 6 + 6 + 6) + 6)) + 6/6) \\
&:= 7 + ((77/7+7) \times (7/7+77)) \\
&:= 88/8 + (88 \times (8+8) - 8) \\
&:= ((9-9/9) + 9) \times (((9+9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1412 &:= 11^{1+1+1} + (11-1-1)^{1+1} \\
&:= 2 \times (222 + 22^2) \\
&:= 3 \times 3^3 + ((33/3)^3) \\
&:= 4 + 4 \times (4+4) \times 44 \\
&:= 5 + (5 \times 5 \times 55 + ((5+5)/5)^5) \\
&:= 6 + (((666-6)/6) + 6 \times 6 \times 6 \times 6) \\
&:= 7 + (7777/7 + 7 \times (7 \times 7 - 7)) \\
&:= 88 \times (8+8) + (8/((8+8)/8)) \\
&:= 9 + (((9+9)/9)^9) + 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1413 &:= 1 + (11^{1+1+1} + (11-1-1)^{1+1}) \\
&:= 2/2 + (2 \times (222 + 22^2)) \\
&:= 3 \times (((3+3) \times (3 \times 3^3 - 3)) + 3) \\
&:= 4 + (4 \times (4+4) \times 44 + 4/4) \\
&:= 5 + (((5+5)/5)^5 \times (55 - (55/5))) \\
&:= 6 + (666/6 + 6 \times 6 \times 6 \times 6) \\
&:= (7 \times ((7+7) \times (7+7) + 7)) - (7/7+7) \\
&:= 8 + ((88 \times (8+8) - (88/8)) + 8) \\
&:= ((9+9) \times (9 \times 9 - ((9+9)/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1414 &:= (1 + (1 + 1 + 11)) \times (1 + (11 - 1)^{1+1}) \\
&:= 2 + (2 \times (222 + 22^2)) \\
&:= 3 + (((33/3)^3) - 3/3) + 3 \times 3^3 \\
&:= 4 + (4 \times (4+4) \times 44 + (4+4)/4) \\
&:= (5 \times ((5 \times 55 + 5) + 5)) - 55/5 \\
&:= 6 + ((666+6)/6 + 6 \times 6 \times 6 \times 6) \\
&:= (7 \times ((7+7) \times (7+7) + 7)) - 7 \\
&:= 8 + (88 \times (8+8) - ((8+8)/8)) \\
&:= 9/9 + (((9+9) \times (9 \times 9 - ((9+9)/9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1415 &:= ((1+1+11) \times (111-1-1)) - 1 - 1 \\
&:= 2 + ((2 \times (222 + 22^2)) + 2/2) \\
&:= 3 + (((33/3)^3) + 3 \times 3^3) \\
&:= 4 + ((4 \times (4+4) \times 44 - 4/4) + 4) \\
&:= 5 + ((5 \times (5 \times 55 + 5) + 5) + 5) \\
&:= 66/6 + (6 \times ((6 \times 6 \times 6 + 6 + 6) + 6)) \\
&:= 7 + (77/7 \times ((7+7)/7)^7) \\
&:= 8 + (88 \times (8+8) - 8/8) \\
&:= 9 + (((9 \times (9 \times (9+9) - 9) + (99/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1416 &:= (1+11) \times (11^{1+1} - (1+1+1)) \\
&:= 2 \times ((222 + 22^2) + 2) \\
&:= 3 + ((33 \times (3 \times 3 + 33)) + 3^3) \\
&:= 4 + (4 \times (4+4) \times 44 + 4) \\
&:= 5 + (5 \times (5 \times 55 + 5) + (55/5)) \\
&:= (6+6) \times ((666+6)/6+6) \\
&:= 7 + (((77 \times ((7+7)/7)^7) + 7)/7) \\
&:= 8 + 88 \times (8+8) \\
&:= 9 + (((9+9) \times (9 \times 9 - 9)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1417 &:= (1+1+11) \times (111-1-1) \\
&:= (22/2)^2 + (2+2+2)^{2+2} \\
&:= 333 + (3333/3 - 3^3) \\
&:= 4 + ((4 \times (4+4) \times 44 + 4/4) + 4) \\
&:= 5 + ((5 \times 5 \times 55 + ((5+5)/5)^5) + 5) \\
&:= 6/6 + ((6+6) \times ((666+6)/6+6)) \\
&:= 7 + (((7+7+7)/7)^7) - 777 \\
&:= 8 + (88 \times (8+8) + 8/8) \\
&:= 9 \times 9 \times (9+9) - ((9 \times 9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1418 &:= 1 + ((1+1+11) \times (111-1-1)) \\
&:= 2 + (2 \times ((222 + 22^2) + 2)) \\
&:= 3 + (((33/3)^3) + 3 \times 3^3) + 3) \\
&:= (44-4)/4 + 4 \times (4+4) \times 44 \\
&:= 55 + (5 \times 5 \times 55 - ((55+5)/5)) \\
&:= 6 \times 6 \times 6 \times 6 + ((666+66)/6) \\
&:= 7 + (((77/7+7) \times (7/7+77)) + 7) \\
&:= 8 + (88 \times (8+8) + ((8+8)/8)) \\
&:= ((9+9)/9) \times (9 \times 9 \times 9 - (99/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1419 &:= 11 \times (11 \times (1+11) - 1 - 1 - 1) \\
&:= 22/2 + 22 \times 2^{2+2+2} \\
&:= 33 + (33 \times (3 \times 3 + 33)) \\
&:= 44/4 + 4 \times (4+4) \times 44 \\
&:= 55 + (5 \times 5 \times 55 - (55/5)) \\
&:= 6 + ((666/6 + 6 \times 6 \times 6 \times 6) + 6) \\
&:= 77/7 \times (((7+7)/7)^7 + 7/7) \\
&:= 88/8 + 88 \times (8+8) \\
&:= 99/9 \times ((999/9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1420 &:= (11-1) \times ((1+11)^{1+1} - (1+1)) \\
&:= 2 \times (((222 + 22^2) + 2) + 2) \\
&:= 3/3 + ((33 \times (3 \times 3 + 33)) + 33) \\
&:= (4 \times ((4+4) \times 44 + 4)) - 4 \\
&:= (5 \times ((5 \times 55 + 5) + 5)) - 5 \\
&:= 6 \times 66 + (((6+6)/6)^{66-6/6}) \\
&:= (7 \times ((7+7) \times (7+7) + 7)) - 7/7 \\
&:= ((88+8)/8) + 88 \times (8+8) \\
&:= (99/9+9) \times (9 \times 9 - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1421 &:= 1 + (11-1) \times ((1+11)^{1+1} - 1 - 1) \\
&:= 2 + (22 \times 2^{2+2+2} + 22/2) \\
&:= (3 \times (3^3 + 3)) + ((33/3)^3) \\
&:= 4/4 + ((4 \times ((4+4) \times 44 + 4)) - 4) \\
&:= 5/5 + ((5 \times ((5 \times 55 + 5) + 5)) - 5) \\
&:= (6/6+6) \times (6 \times 6 \times 6 - (6/6+6+6)) \\
&:= 7 \times ((7+7) \times (7+7) + 7) \\
&:= 88 \times (8+8) + (88+8+8)/8 \\
&:= 9 + (((9+9)/9)^9) + 9 \times 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1422 &:= 1 + 1 + (11-1) \times ((1+11)^{1+1} - (1+1)) \\
&:= ((2+2+2)^2 + 2)^2 - 22 \\
&:= 333 + 33 \times 33 \\
&:= (4 \times ((4+4) \times 44 + 4)) - (4+4)/4 \\
&:= (5+5)/5 + ((5 \times ((5 \times 55 + 5) + 5)) - 5) \\
&:= 6 + ((6+6) \times ((666+6)/6+6)) \\
&:= 7/7 + (7 \times ((7+7) \times (7+7) + 7)) \\
&:= 8 + ((88 \times (8+8) - ((8+8)/8)) + 8) \\
&:= (9+9) \times (9 \times 9 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1423 &:= (1+1)^{11} - (1+(1+1) \times (1+11))^{1+1} \\
&:= 2/2 + (((2+2+2)^2 + 2)^2 - 22) \\
&:= 3/3 + (33 \times 33 + 333) \\
&:= (4^4 \times (4+4)) - (4/4 + 4)^4 \\
&:= (((5+5)/5)^{55/5}) - 5^5/5 \\
&:= 6 + (((6+6) \times ((666+6)/6+6)) + 6/6) \\
&:= ((7+7)/7) + (7 \times ((7+7) \times (7+7) + 7)) \\
&:= 8 + ((88 \times (8+8) - 8/8) + 8) \\
&:= 9/9 + ((9+9) \times (9 \times 9 - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1424 &:= (1+1)^{11-1} + ((1+1) \times (11-1))^{1+1} \\
&:= 2 + (((2+2+2)^2 + 2)^2 - 22) \\
&:= 3 + ((3 \times (3^3 + 3)) + ((33/3)^3)) \\
&:= 4 \times ((4+4) \times 44 + 4) \\
&:= (5 \times ((5 \times 55 + 5) + 5)) - 5/5 \\
&:= 6 \times 6 \times 6 \times 6 + (((6+6)/6)^{6/6+6}) \\
&:= 7 + (((((7+7+7)/7)^7) - 777) + 7) \\
&:= 8 + (88 \times (8+8) + 8) \\
&:= (9+9)/9 + ((9+9) \times (9 \times 9 - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1425 &:= ((1+11) \times (11^{1+1} - (1+1))) - 1 - 1 - 1 \\
&:= (2/2 + 2) \times ((22^2 - 22/2) + 2) \\
&:= 3 + (33 \times 33 + 333) \\
&:= 4/4 + (4 \times ((4+4) \times 44 + 4)) \\
&:= 5 \times ((5 \times 55 + 5) + 5) \\
&:= (6 - 6/6) \times (6 \times 66 - 666/6) \\
&:= 77/7 + ((7 \times ((7+7) \times (7+7) + 7)) - 7) \\
&:= 8 + ((88 \times (8+8) + 8/8) + 8) \\
&:= 9 \times 9 \times (9+9) - (99/(9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1426 &:= ((1+11) \times (11^{1+1} - (1+1))) - 1 - 1 \\
&:= (22 + 2/2) \times (2^{2+2+2} - 2) \\
&:= (((3+3) \times 3^{3+3}) + 3)/3 - 33 \\
&:= (4+4)/4 + (4 \times ((4+4) \times 44 + 4)) \\
&:= 5/5 + (5 \times ((5 \times 55 + 5) + 5)) \\
&:= 66 + (((6+6)/6)^6 + 6 \times 6 \times 6 \times 6) \\
&:= 7 + (77/7 \times (((7+7)/7)^7 + 7/7)) \\
&:= 8 + ((88 \times (8+8) + ((8+8)/8)) + 8) \\
&:= (9+9) \times (9+9) + (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1427 &:= ((1+11) \times (11^{1+1} - (1+1))) - 1 \\
&:= ((2/2 + 2) \times (22^2 - 2/2)) - 22 \\
&:= 3 \times 33 + (((33/3)^3) - 3) \\
&:= 4 + ((4^4 \times (4+4)) - (4/4 + 4)^4) \\
&:= (5+5)/5 + (5 \times ((5 \times 55 + 5) + 5)) \\
&:= 66 + ((6 \times 6 \times 6 \times 6 - 6/6) + 66) \\
&:= 7 + ((7 \times ((7+7) \times (7+7) + 7)) - 7/7) \\
&:= 8 + (88 \times (8+8) + 88/8) \\
&:= 9 \times 9 \times (9+9) - (((99+99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1428 &:= (1+11) \times (11^{1+1} - 1 - 1) \\
&:= 2 \times ((2+2+2) \times ((22/2)^2 - 2)) \\
&:= (33/3 + 3) \times (3 \times 33 + 3) \\
&:= 4 + (4 \times ((4+4) \times 44 + 4)) \\
&:= 55 + (5 \times 5 \times 55 - ((5+5)/5)) \\
&:= 66 + (6 \times 6 \times 6 \times 6 + 66) \\
&:= 7 + (7 \times ((7+7) \times (7+7) + 7)) \\
&:= 8 + (((88+8)/8) + 88 \times (8+8)) \\
&:= (9 \times (9 \times (9+9) + 9)) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1429 &:= ((1+1+11) \times (111-1)) - 1 \\
&:= 22 + (22 \times 2^{2+2+2} - 2/2) \\
&:= 3 \times 33 + (((33/3)^3) - 3/3) \\
&:= 4 + ((4 \times ((4+4) \times 44 + 4)) + 4/4) \\
&:= 55 + (5 \times 5 \times 55 - 5/5) \\
&:= 66 + ((6 \times 6 \times 6 \times 6 + 66) + 6/6) \\
&:= 7 + ((7 \times ((7+7) \times (7+7) + 7)) + 7/7) \\
&:= 8 + ((88+8+8)/8 + 88 \times (8+8)) \\
&:= 9 \times 9 \times (9+9) - (99/9 + 9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1430 &:= (1+1+11) \times (111-1) \\
&:= 22 + 22 \times 2^{2+2+2} \\
&:= 3 \times 33 + ((33/3)^3) \\
&:= 44 + (44 \times (4^4 - 4)/(4+4)) \\
&:= 55 + 5 \times 5 \times 55 \\
&:= 66/6 \times (((6+6)/6)^6 + 66) \\
&:= (7 - 7/7 + 7) \times (777 - 7)/7 \\
&:= ((8+8)/8) \times (88/8 + 8 \times 88) \\
&:= 99 + (99/9)^{(9+9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1431 &:= 1 + (1+1+11) \times (111-1) \\
&:= 22 + (22 \times 2^{2+2+2} + 2/2) \\
&:= 3 \times (3 \times ((3+3) \times 3^3 - 3)) \\
&:= 4^4 + ((4444 + 4^4)/4) \\
&:= 55 + (5 \times 5 \times 55 + 5/5) \\
&:= 6 \times 6 + (((6 \times 6)/(6+6))^6) + 666 \\
&:= ((77 - 7)/7) + (7 \times ((7+7) \times (7+7) + 7)) \\
&:= 8 + (((88 \times (8+8) - 8/8) + 8) + 8) \\
&:= 9 \times 9 \times (9+9) - (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1432 &:= 111 \times (1+1+11) - 11 \\
&:= 2 + (22 \times 2^{2+2+2} + 22) \\
&:= 3/3 + (3 \times (3 \times ((3+3) \times 3^3 - 3))) \\
&:= 4 + ((4 \times ((4+4) \times 44 + 4)) + 4) \\
&:= 55 + (5 \times 5 \times 55 + ((5+5)/5)) \\
&:= ((6+6)/6)^6 + (6 \times (6 \times 6 \times 6 + 6+6)) \\
&:= 77/7 + (7 \times ((7+7) \times (7+7) + 7)) \\
&:= 8 + ((88 \times (8+8) + 8) + 8) \\
&:= 9/9 + (9 \times 9 \times (9+9) - (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1433 &:= 1 + 111 \times (1+1+11) - 11 \\
&:= ((2+2+2)^2 + 2)^2 - 22/2 \\
&:= 3 + (((33/3)^3) + 3 \times 33) \\
&:= 4 + (((4 \times ((4+4) \times 44 + 4)) + 4/4) + 4) \\
&:= 5 + ((5 \times 5 \times 55 - ((5+5)/5)) + 55) \\
&:= 66 + ((6 \times (6 \times 6 \times 6 + 6+6)) - 6/6) \\
&:= (77+7)/7 + (7 \times ((7+7) \times (7+7) + 7)) \\
&:= 8 + (((88 \times (8+8) + 8/8) + 8) + 8) \\
&:= (9+9)/9 + (9 \times 9 \times (9+9) - (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1434 &:= 1 + 1 + 111 \times (1+1+11) - 11 \\
&:= 22 + (2 \times (222 + 22^2)) \\
&:= 3 + (3 \times (3 \times ((3+3) \times 3^3 - 3))) \\
&:= 4 + ((44 \times (4^4 - 4)/(4+4)) + 44) \\
&:= 5 + ((5 \times 5 \times 55 - 5/5) + 55) \\
&:= 66 + (6 \times (6 \times 6 \times 6 + 6+6)) \\
&:= (7 \times (((7+7)/7)^7 + 77)) - 7/7 \\
&:= 8 + (((88 \times (8+8) + ((8+8)/8)) + 8) + 8) \\
&:= ((9+9)/9) \times (9 \times 9 \times 9 - ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1435 &:= 1 + 1 + 1 + (111 \times (1+1+11) - 11) \\
&:= 2 + (((2+2+2)^2 + 2)^2 - 22/2) \\
&:= 3 + ((3 \times (3 \times ((3+3) \times 3^3 - 3))) + 3/3) \\
&:= 44/4 + (4 \times ((4+4) \times 44 + 4)) \\
&:= 5 + (5 \times 5 \times 55 + 55) \\
&:= 66 + ((6 \times 6 + 6/6)^{(6+6)/6}) \\
&:= 7 \times (((7+7)/7)^7 + 77) \\
&:= 8 + ((88 \times (8+8) + 88/8) + 8) \\
&:= (9+9) \times (9+9) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1436 &:= (1+1) \times ((11-1-1)^{1+1+1} - 11) \\
&:= 2 \times (2 \times (((22 - (2/2 + 2))^2) - 2)) \\
&:= 3 + (((33/3)^3) + 3 \times 33) + 3 \\
&:= (4+4) \times (4 \times 44 + 4) - 4 \\
&:= 5 + ((5 \times 5 \times 55 + 5/5) + 55) \\
&:= 6 + ((66/6) \times (((6+6)/6)^6 + 66)) \\
&:= 7/7 + (7 \times (((7+7)/7)^7 + 77)) \\
&:= 8 + (((88+8)/8) + 88 \times (8+8)) + 8 \\
&:= ((9+9)/9) \times (9 \times 9 \times 9 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1437 &:= ((11-1) \times (1+11)^{1+1}) - 1 - 1 - 1 \\
&:= (2/2 + 2) \times (22^2 - (2/2 + 2 + 2)) \\
&:= 3 \times (((3-3/3)^{3 \times 3}) - 33) \\
&:= 4/4 + ((4+4) \times (4 \times 44 + 4) - 4) \\
&:= 5 + ((5 \times 5 \times 55 + ((5+5)/5)) + 55) \\
&:= ((6/6 + 6 + 6) \times 666/6) - 6 \\
&:= ((7 \times 7 - 77/7)^{(7+7)/7}) - 7 \\
&:= 8 \times 8 \times (8+8+8) - (88/8 + 88) \\
&:= 9 \times 9 \times (9+9) - (((99+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1438 &:= ((11-1) \times (1+11)^{1+1}) - 1 - 1 \\
&:= ((2+2+2)^2 + 2)^2 - (2+2+2) \\
&:= 3/3 + (3 \times ((3-3/3)^{3 \times 3} - 33)) \\
&:= (4+4) \times (4 \times 44+4) - (4+4)/4 \\
&:= 5 \times 5 \times 55 + (5^5/5+5)/(5+5) \\
&:= (((6+6)/6) + 6 \times 6)^{(6+6)/6} - 6 \\
&:= 77 + ((7 \times (7+7) \times (7+7)) - (77/7)) \\
&:= 8 + ((88+88)/8 + 88 \times (8+8)) \\
&:= 9 \times 9 \times (9+9) - (99/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1439 &:= ((11-1) \times (1+11)^{1+1}) - 1 \\
&:= ((2+2+2)^2 + 2)^2 - (2/2+2+2) \\
&:= (3 \times (33+3)) + ((33/3)^3) \\
&:= (4+4) \times (4 \times 44+4) - 4/4 \\
&:= ((55+5) \times (5 \times 5 - 5/5)) - 5/5 \\
&:= (6 \times (6 \times (6 \times 6+6) - (6+6))) - 6/6 \\
&:= 7 + ((7 \times ((7+7) \times (7+7) + 7)) + (77/7)) \\
&:= ((8+8) \times ((8+8)/8 + 88)) - 8/8 \\
&:= 9 \times 9 \times (9+9) - (9/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1440 &:= (11-1) \times (1+11)^{1+1} \\
&:= 2 \times ((22-2) \times (2+2+2)^2) \\
&:= (3+3) \times (3 \times 3 \times 3^3 - 3) \\
&:= (4+4) \times (4 \times 44+4) \\
&:= (55+5) \times (5 \times 5 - 5/5) \\
&:= 6 \times (6 \times (6 \times 6+6) - (6+6)) \\
&:= 7 \times 7 \times 7 + (7777/7 - (7+7)) \\
&:= (8+8) \times ((8+8)/8 + 88) \\
&:= (9+9) \times (9 \times 9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1441 &:= 11 \times ((11 \times (1+11)) - 1) \\
&:= ((2+2+2)^2 + 2)^2 - 2/2 - 2 \\
&:= 3/3 + ((3+3) \times (3 \times 3 \times 3^3 - 3)) \\
&:= 4/4 + (4+4) \times (4 \times 44+4) \\
&:= 55 + (5 \times 5 \times 55 + (55/5)) \\
&:= 6/6 + (6 \times (6 \times (6 \times 6+6) - (6+6))) \\
&:= 7 + ((7 \times (((7+7)/7)^7 + 77)) - 7/7) \\
&:= 8/8 + ((8+8) \times ((8+8)/8 + 88)) \\
&:= 9/9 + ((9+9) \times (9 \times 9 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1442 &:= 111 + 11^{1+1+1} \\
&:= ((2+2+2)^2 + 2)^2 - 2 \\
&:= 333/3 + ((33/3)^3) \\
&:= (4+4)/4 + (4+4) \times (4 \times 44+4) \\
&:= 55 + (5 \times 5 \times 55 + ((55+5)/5)) \\
&:= ((666 \times (6/6+6+6)) - 6)/6 \\
&:= 7 + (7 \times (((7+7)/7)^7 + 77)) \\
&:= (8+8)/8 + ((8+8) \times ((8+8)/8 + 88)) \\
&:= (9+9)/9 + ((9+9) \times (9 \times 9 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1443 &:= 111 \times (1+1+11) \\
&:= (22/2+2) \times 222/2 \\
&:= 3 + ((3+3) \times (3 \times 3 \times 3^3 - 3)) \\
&:= 4 + ((4+4) \times (4 \times 44+4) - 4/4) \\
&:= 555/5 \times (55+5+5)/5 \\
&:= (6/6+6+6) \times 666/6 \\
&:= (7-7/7+7) \times 777/7 \\
&:= 888/8 \times (88+8+8)/8 \\
&:= 999/9 \times ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1444 &:= 1 + 111 \times (1+1+11) \\
&:= ((2+2+2)^2 + 2)^2 \\
&:= 333 + 3333/3 \\
&:= 4 + (4+4) \times (4 \times 44+4) \\
&:= (5 \times (5 \times (55+5))) - (55+5/5) \\
&:= (((6+6)/6) + 6 \times 6)^{(6+6)/6} \\
&:= (7 \times 7 - 77/7)^{(7+7)/7} \\
&:= 888 + ((8888+8)/(8+8)) \\
&:= ((99/9+9+9) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1445 &:= 1 + 1 + 111 \times (1+1+11) \\
&:= 2/2 + ((2+2+2)^2 + 2)^2 \\
&:= 3 + (333/3 + ((33/3)^3)) \\
&:= 4 + ((4+4) \times (4 \times 44+4) + 4/4) \\
&:= (5 \times (5 \times (55+5))) - 55 \\
&:= 6 \times 6 \times (6 \times 6+6) - (66+6/6) \\
&:= 7/7 + ((7 \times 7 - 77/7)^{(7+7)/7}) \\
&:= 88 \times (8+8) + 888/(8+8+8) \\
&:= 9 \times 9 \times (9+9) - ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1446 &:= 1 + 1 + 1 + 111 \times (1+1+11) \\
&:= 2 + ((2+2+2)^2 + 2)^2 \\
&:= (3+3) \times (((3^{3+3} + 3)/3) - 3) \\
&:= 4 + ((4+4) \times (4 \times 44+4) + (4+4)/4) \\
&:= 5/5 + ((5 \times (5 \times (55+5))) - 55) \\
&:= 6 \times 6 \times (6 \times 6+6) - 66 \\
&:= 7 \times 7 \times 7 + ((7777-7)/7-7) \\
&:= ((8+8)/8) \times ((88/8+8 \times 88) + 8) \\
&:= 9 \times 9 \times (9+9) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1447 &:= 1 + 1 + 1 + 1 + 111 \times (1+1+11) \\
&:= 2 + (((2+2+2)^2 + 2)^2 + 2/2) \\
&:= (((3+3) \times 3^{3+3}) - 33)/3 \\
&:= 4 + (((4+4) \times (4 \times 44+4) - 4/4) + 4) \\
&:= (5+5)/5 + ((5 \times (5 \times (55+5))) - 55) \\
&:= 6/6 + (6 \times 6 \times (6 \times 6+6) - 66) \\
&:= 7 \times 7 \times 7 + (7777/7 - 7) \\
&:= 8 \times 8 \times (8+8+8) - (8/8+88) \\
&:= 9 \times 9 \times (9+9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1448 &:= 11 \times (11 \times (1+11)) - 1 - 1 - 1 - 1 \\
&:= 2 + (((2+2+2)^2 + 2)^2 + 2) \\
&:= (3/3+3) \times ((33 \times 33 - 3)/3) \\
&:= 4 + ((4+4) \times (4 \times 44+4) + 4) \\
&:= 5 + (555/5 \times (55+5+5)/5) \\
&:= 6 \times 6 \times (6 \times 6+6) - ((6+6)/6)^6 \\
&:= 77 + ((7 \times (7+7) \times (7+7)) - 7/7) \\
&:= 8 \times 8 \times (8+8+8) - 88 \\
&:= 9 \times 9 \times (9+9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1449 &:= (1+1+1) \times ((11+11)^{1+1} - 1) \\
&:= (2/2+2) \times (22^2 - 2/2) \\
&:= 3 \times ((3 \times (3+3) \times 3^3) - 3) \\
&:= (4-4/4) \times ((44 \times 44 - 4)/4) \\
&:= (5^5 - 5)/5 + (55 \times (5+5+5)) \\
&:= 6 + ((6/6+6+6) \times 666/6) \\
&:= 77 + (7 \times (7+7) \times (7+7)) \\
&:= 8/8 + (8 \times 8 \times (8+8+8) - 88) \\
&:= 9 \times 9 \times (9+9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1450 &:= (11-1) \times (1 + (1+11)^{1+1}) \\
&:= ((2/2+2) \times 22^2) - 2 \\
&:= 3 + (((3+3) \times 3^{3+3}) - 33)/3 \\
&:= 44 + (4 \times (4+4) \times 44 - (4+4)/4) \\
&:= 5 \times (((5 \times 55+5) + 5) + 5) \\
&:= 6 + (((6+6)/6) + 6 \times 6)^{(6+6)/6} \\
&:= 7 + ((7-7/7+7) \times 777/7) \\
&:= (8+8)/8 + (8 \times 8 \times (8+8+8) - 88) \\
&:= 9/9 + (9 \times 9 \times (9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1451 &:= 11 \times 11 \times (1+11) - 1 \\
&:= ((2/2+2) \times 22^2) - 2/2 \\
&:= (((3+3) \times (3^{3+3} - 3)) - 3)/3 \\
&:= 44 + (4 \times (4+4) \times 44 - 4/4) \\
&:= 5/5 + (5 \times (((5 \times 55+5) + 5) + 5)) \\
&:= ((66 \times (66+66)) - 6)/6 \\
&:= 7 + ((7 \times 7 - 77/7)^{(7+7)/7}) \\
&:= 8 + (888/8 \times (88+8+8)/8) \\
&:= (9+9)/9 + (9 \times 9 \times (9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1452 &:= 11 \times 11 \times (1+11) \\
&:= (2/2+2) \times 22^2 \\
&:= 33 \times (33/3+33) \\
&:= 44 + 4 \times (4+4) \times 44 \\
&:= (5+5)/5 + (5 \times (((5 \times 55+5) + 5) + 5)) \\
&:= 66 \times ((66+66)/6) \\
&:= (77+7)/7 \times (((7+7)/7)^7 - 7) \\
&:= 88 \times (8+8) + (88/((8+8)/8)) \\
&:= 9 \times 9 \times (9+9) + (((9+9+9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1453 &:= 1 + 11 \times 11 \times (1 + 11) \\
&:= 2/2 + ((2/2 + 2) \times 22^2) \\
&:= (((3 + 3) \times (3^{3+3} - 3)) + 3)/3 \\
&:= 44 + (4 \times (4 + 4) \times 44 + 4/4) \\
&:= ((5/5 + 5) \times ((5 - (5 + 5)/5)^5)) - 5 \\
&:= ((66 \times (66 + 66)) + 6)/6 \\
&:= 7 \times 7 \times 7 + (7777 - 7)/7 \\
&:= 8 \times 8 + (88 \times (8 + 8) - (88/8 + 8)) \\
&:= 9 \times 9 \times (9 + 9) + ((9 - 99)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1454 &:= 1 + 1 + 11 \times 11 \times (1 + 11) \\
&:= 2 + ((2/2 + 2) \times 22^2) \\
&:= (((3 + 3) \times 3^{3+3} - 3)/3) - 3 \\
&:= 44 + (4 \times (4 + 4) \times 44 + (4 + 4)/4) \\
&:= 55 + (5 \times (5 \times 55 + 5) - 5/5) \\
&:= ((6 + 6)/6) \times ((66 \times 66 + 6)/6) \\
&:= 7 \times 7 \times 7 + 7777/7 \\
&:= ((8/8 + 8 + 8) \times (88 - ((8 + 8)/8))) - 8 \\
&:= ((9 + 9)/9) \times (9 \times 9 \times 9 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1455 &:= 1 + 1 + 1 + 11 \times 11 \times (1 + 11) \\
&:= (2/2 + 2) \times (22^2 + 2/2) \\
&:= 3^{3+3} + (3^{3+3} - 3) \\
&:= 4^4 + (4 \times (44 + 4^4) - 4/4) \\
&:= 55 + 5 \times (5 \times 55 + 5) \\
&:= 6 + (((6/6 + 6 + 6) \times 666/6) + 6) \\
&:= 7 \times 7 \times 7 + (7777 + 7)/7 \\
&:= (8 - 8/8 + 8) \times ((8/8 + 88) + 8) \\
&:= 9 \times 9 \times (9 + 9) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1456 &:= (1 + 1 + 11) \times (1 + 111) \\
&:= 2 + (((2/2 + 2) \times 22^2) + 2) \\
&:= (3 - 3/3) \times (3^{3+3} - 3/3) \\
&:= 4^4 + 4 \times (44 + 4^4) \\
&:= (5 \times 5 + 5/5) \times (55 + 5/5) \\
&:= (6/6 + 6 + 6) \times (666 + 6)/6 \\
&:= (7 + 7) \times (777/7 - 7) \\
&:= 8 + (8 \times 8 \times (8 + 8 + 8) - 88) \\
&:= 9 \times 9 \times (9 + 9) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1457 &:= 1 + (1 + 1 + 11) \times (1 + 111) \\
&:= 2 + ((2/2 + 2) \times (22^2 + 2/2)) \\
&:= (((3 + 3) \times 3^{3+3} - 3)/3) \\
&:= 4/4 + (4 \times (44 + 4^4) + 4^4) \\
&:= 55 + (5 \times (5 \times 55 + 5) + ((5 + 5)/5)) \\
&:= 6 + (((66 \times (66 + 66)) - 6)/6) \\
&:= 7/7 + ((7 + 7) \times (777/7 - 7)) \\
&:= 8 + ((8 \times 8 \times (8 + 8 + 8) - 88) + 8/8) \\
&:= 9 \times 9 \times (9 + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1458 &:= (1 + 1) \times (11 - 1 - 1)^{1+1+1} \\
&:= 2 \times ((2/2 + 2)^{2+2+2}) \\
&:= 3 \times (3 \times (3 + 3) \times 3^3) \\
&:= (4 - 4/4)^4 \times ((4 + 4)/4 + 4 \times 4) \\
&:= (5/5 + 5) \times ((5 - (5 + 5)/5)^5) \\
&:= 666 + 66 \times (6 + 6) \\
&:= 7 + (((7 \times 7 - 77/7)^{(7+7)/7}) + 7) \\
&:= ((8 + 8)/8) \times ((8/8 + 8)^{88/8-8}) \\
&:= 9 \times 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1459 &:= 1 + (1 + 1) \times (11 - 1 - 1)^{1+1+1} \\
&:= 2/2 + (2 \times ((2/2 + 2)^{2+2+2})) \\
&:= (((3 + 3) \times 3^{3+3} + 3)/3) \\
&:= 4 + ((4 \times (44 + 4^4) - 4/4) + 4^4) \\
&:= 5 + ((5 \times (5 \times 55 + 5) - 5/5) + 55) \\
&:= 6 + (((66 \times (66 + 66)) + 6)/6) \\
&:= ((7 + 7) \times (7 \times (7 + 7) + 7)) - 77/7 \\
&:= 8 \times (8 + 8) + ((88/8)^{88/8-8}) \\
&:= 9/9 + 9 \times 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1460 &:= (1 + 1) \times (1 + (11 - 1 - 1)^{1+1+1}) \\
&:= 2 + (2 \times ((2/2 + 2)^{2+2+2})) \\
&:= 3 + (((3 + 3) \times 3^{3+3} - 3)/3) \\
&:= 4 + (4 \times (44 + 4^4) + 4^4) \\
&:= 5 + (5 \times (5 \times 55 + 5) + 55) \\
&:= 6 + (((6 + 6)/6) \times ((66 \times 66 + 6)/6)) \\
&:= 7 + ((7777 - 7)/7 + 7 \times 7 \times 7) \\
&:= 8 + ((88/(8 + 8)/8) + 88 \times (8 + 8)) \\
&:= (9 + 9)/9 + 9 \times 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1461 &:= 11 \times (1 + 11 \times (1 + 11)) - 1 - 1 \\
&:= (2/2 + 2) \times ((22^2 + 2/2) + 2) \\
&:= 3 + (3^{3+3} + 3^{3+3}) \\
&:= 4 + ((4 \times (44 + 4^4) + 4^4) + 4/4) \\
&:= 5 + ((5 \times 5 + 5/5) \times (55 + 5/5)) \\
&:= 66 + (((6 \times 6/(6 + 6))^6) + 666) \\
&:= 7 + (7777/7 + 7 \times 7 \times 7) \\
&:= 8 \times 8 + (88 \times (8 + 8) - (88/8)) \\
&:= 9 \times 9 \times (9 + 9) + ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1462 &:= 11 \times (1 + 11 \times (1 + 11)) - 1 \\
&:= 2 \times (((2/2 + 2)^{2+2+2}) + 2) \\
&:= 3 + (((3 + 3) \times 3^{3+3} + 3)/3) \\
&:= 4 + ((4 - 4/4)^4 \times ((4 + 4)/4 + 4 \times 4)) \\
&:= 55 + (5 \times 5 \times 55 + ((5 + 5)/5)^5) \\
&:= 6 + ((6/6 + 6 + 6) \times (666 + 6)/6) \\
&:= 777 + ((7 \times 7 \times (7 + 7)) - 7/7) \\
&:= (8/8 + 8 + 8) \times (88 - ((8 + 8)/8)) \\
&:= ((9 + 9)/9) \times (9 \times 9 \times 9 + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1463 &:= 11 \times (1 + 11 \times (1 + 11)) \\
&:= 22/2 + ((2/2 + 2) \times 22^2) \\
&:= (((3 + 3) \times (3^{3+3} + 3)) - 3)/3 \\
&:= 444 + (4 \times 4^4 - (4/4 + 4)) \\
&:= 5 + ((5/5 + 5) \times ((5 - (5 + 5)/5)^5)) \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 - (6/6 + 6)) \\
&:= 77 \times ((77 + 7)/7 + 7) \\
&:= 8 \times 8 + (88 \times (8 + 8) - (8/8 + 8)) \\
&:= 9 \times 9 \times (9 + 9) + ((9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1464 &:= (1 + 11) \times (1 + 11^{1+1}) \\
&:= (2/2 + 2) \times (22^2 + 2 + 2) \\
&:= (3 + 3) \times ((3^{3+3} + 3)/3) \\
&:= 444 + (4 \times 4^4 - 4) \\
&:= (5 \times 5 - 5/5) \times ((55 + 5/5) + 5) \\
&:= 6 + (66 \times (6 + 6) + 666) \\
&:= 7/7 + ((7 \times 7 \times (7 + 7)) + 777) \\
&:= 8 \times 8 + (88 \times (8 + 8) - 8) \\
&:= 9 + (9 \times 9 \times (9 + 9) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1465 &:= 1 + (1 + 11) \times (1 + 11^{1+1}) \\
&:= 2 + (((2/2 + 2) \times 22^2) + 22/2) \\
&:= (((3 + 3) \times (3^{3+3} + 3)) + 3)/3 \\
&:= 4/4 + ((4 \times 4^4 - 4) + 444) \\
&:= (5 \times ((5 \times (55 + 5)) - 5)) - 5 - 5 \\
&:= (6 \times (6 \times (6 \times 6 + 6) - 6)) - 66/6 \\
&:= 7 \times 7 \times 7 + ((7777 + 77)/7) \\
&:= 8/8 + ((88 \times (8 + 8) - 8) + 8 \times 8) \\
&:= 9 + (9 \times 9 \times (9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1466 &:= 11 + (1 + 1 + 11) \times (1 + 111) - 1 \\
&:= 22 + ((2 + 2 + 2)^2 + 2)^2 \\
&:= 3 + (((3 + 3) \times (3^{3+3} + 3)) - 3)/3 \\
&:= 444 + (4 \times 4^4 - (4 + 4)/4) \\
&:= 5 + (((5 \times 5 + 5/5) \times (55 + 5/5)) + 5) \\
&:= ((6 + 6)/6) \times (((66 \times 66 + 6)/6) + 6) \\
&:= 7 + (((7 + 7) \times (7 \times (7 + 7) + 7)) - (77/7)) \\
&:= 8 \times 8 + ((88 \times (8 + 8) - 8) + ((8 + 8)/8)) \\
&:= 9 + (9 \times 9 \times (9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1467 &:= 11 + (1 + 1 + 11) \times (1 + 111) \\
&:= 22 + (((2 + 2 + 2)^2 + 2)^2 + 2/2) \\
&:= 3 \times ((3 \times (3 + 3) \times 3^3) + 3) \\
&:= 444 + (4 \times 4^4 - 4/4) \\
&:= ((5 + 5)/5 \times (555 + 5^5)/5) - 5 \\
&:= 6 + (((6 \times 6/(6 + 6))^6) + 666) + 66) \\
&:= 77/7 + ((7 + 7) \times (777/7 - 7)) \\
&:= (8/8 + 8) \times ((88/8 + 88) + 8 \times 8) \\
&:= 9 + 9 \times 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1468 &:= (1+1+11) \times (1+1+111) - 1 \\
&:= 2 + (((2+2+2)^2 + 2)^2 + 22) \\
&:= 3 + (((3+3) \times (3^{3+3} + 3)) + 3)/3 \\
&:= 444 + 4 \times 4^4 \\
&:= (5 \times (5 \times (55+5))) - ((5+5)/5)^5 \\
&:= (6 \times (6 \times (6 \times 6+6) - 6)) - ((6+6)/6+6) \\
&:= ((7+7) \times (7 \times (7+7) + 7)) - (7+7)/7 \\
&:= 8 \times 8 + (88 \times (8+8) - (8/(8+8)/8)) \\
&:= 9 + (9 \times 9 \times (9+9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1469 &:= (1+1+11) \times (1+1+111) \\
&:= (22/2+2) \times (222/2+2) \\
&:= (((3+3) \times 3^{3+3}) + 33)/3 \\
&:= 4/4 + (444 + 4 \times 4^4) \\
&:= (5 \times ((5 \times (55+5)) - 5)) - (5/5+5) \\
&:= (6 \times (6 \times (6 \times 6+6) - 6)) - 6/6 - 6 \\
&:= ((7+7) \times (7 \times (7+7) + 7)) - 7/7 \\
&:= 8 + ((88 \times (8+8) - (88/8)) + 8 \times 8) \\
&:= 99/9 + 9 \times 9 \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1470 &:= 1 + (1+1+11) \times (1+1+111) \\
&:= (2/2+2) \times ((22^2+2+2)+2) \\
&:= 3 + (3 \times ((3 \times (3+3) \times 3^3) + 3)) \\
&:= 444 + ((4+4)/4 + 4 \times 4^4) \\
&:= (5 \times ((5 \times (55+5)) - 5)) - 5 \\
&:= (6/6+6) \times (6 \times 6 \times 6 - 6) \\
&:= (7+7) \times (7 \times (7+7) + 7) \\
&:= 8 \times 8 + (88 \times (8+8) - ((8+8)/8)) \\
&:= 9 \times 9 \times (9+9) + (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1471 &:= 1+1+(1+1+11) \times (1+1+111) \\
&:= 2 + ((22/2+2) \times (222/2+2)) \\
&:= (((3+3) \times ((3^{3+3} + 3) + 3)) + 3)/3 \\
&:= 4 + ((4 \times 4^4 - 4/4) + 444) \\
&:= 5/5 + ((5 \times ((5 \times (55+5)) - 5)) - 5) \\
&:= 6/6 + ((6/6+6) \times (6 \times 6 \times 6 - 6)) \\
&:= 7/7 + ((7+7) \times (7 \times (7+7) + 7)) \\
&:= 8 \times 8 + (88 \times (8+8) - 8/8) \\
&:= 9 \times 9 \times (9+9) + ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1472 &:= 11 \times (1+1+11 \times (1+11)) - 1 - 1 \\
&:= 2 \times (2^{2+2} \times ((2 \times 22) + 2)) \\
&:= 3 + (((3+3) \times 3^{3+3}) + 33)/3 \\
&:= 4 + (444 + 4 \times 4^4) \\
&:= (5+5)/5 \times (555 + 5^5)/5 \\
&:= ((6+6)/6)^6 \times ((66/6+6) + 6) \\
&:= ((7+7)/7) + ((7+7) \times (7 \times (7+7) + 7)) \\
&:= 8 \times ((88+88) + 8) \\
&:= 9 + (((9 \times 9+9)/(9+9)) + 9 \times 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1473 &:= 11 \times (1+1+11 \times (1+11)) - 1 \\
&:= 22 + (((2/2+2) \times 22^2) - 2/2) \\
&:= ((3+3) \times (3 \times 3 \times 3^3 + 3)) - 3 \\
&:= 4 + ((444 + 4 \times 4^4) + 4/4) \\
&:= (5 \times ((5 \times (55+5)) - 5)) - (5+5)/5 \\
&:= 66 + (666/6 + 6 \times 6 \times 6 \times 6) \\
&:= ((7+7+7)/7) + ((7+7) \times (7 \times (7+7) + 7)) \\
&:= 8/8 + (88 \times (8+8) + 8 \times 8) \\
&:= 9 + ((9 \times 9 \times (9+9) - ((9+9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1474 &:= 11 \times (1+1+11 \times (1+11)) \\
&:= 22 + ((2/2+2) \times 22^2) \\
&:= (33 \times 33 + 3333)/3 \\
&:= 4 + ((444 + 4 \times 4^4) + (4+4)/4) \\
&:= (5 \times ((5 \times (55+5)) - 5)) - 5/5 \\
&:= (66 + 6/6) \times ((66+66)/6) \\
&:= 77/7 + ((7 \times 7 \times (7+7)) + 777) \\
&:= 8 \times 8 + (88 \times (8+8) + ((8+8)/8)) \\
&:= 9 + ((9 \times 9 \times (9+9) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1475 &:= 1 + 11 \times (1+1+11 \times (1+11)) \\
&:= 22 + (((2/2+2) \times 22^2) + 2/2) \\
&:= (((33/3)^3) + ((3+3) \times (3^3 - 3))) \\
&:= (4 \times ((4/4+4)^4 - 4^4)) - 4/4 \\
&:= 5 \times ((5 \times (55+5)) - 5) \\
&:= (6 \times (6 \times (6 \times 6+6) - 6)) - 6/6 \\
&:= 7 + (((7+7) \times (7 \times (7+7) + 7)) - ((7+7)/7)) \\
&:= 8 \times 8 + ((88 \times (8+8) - 8) + (88/8)) \\
&:= 9 + ((9 \times 9 \times (9+9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1476 &:= (1+11) \times (1+(1+11^{1+1})) \\
&:= 2 + (((2/2+2) \times 22^2) + 22) \\
&:= (3+3) \times (3 \times 3 \times 3^3 + 3) \\
&:= 4 \times ((4/4+4)^4 - 4^4) \\
&:= 5/5 + (5 \times ((5 \times (55+5)) - 5)) \\
&:= 6 \times (6 \times (6 \times 6+6) - 6) \\
&:= 7 + (((7+7) \times (7 \times (7+7) + 7)) - 7/7) \\
&:= 8 \times 8 + (88 \times (8+8) + (8/(8+8)/8)) \\
&:= 9 + (9 \times 9 \times (9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1477 &:= 1 + (1+11) \times (1+1+11^{1+1}) \\
&:= 22 + ((2/2+2) \times (22^2 + 2/2)) \\
&:= 3/3 + ((3+3) \times (3 \times 3 \times 3^3 + 3)) \\
&:= 4/4 + (4 \times ((4/4+4)^4 - 4^4)) \\
&:= (5+5)/5 + (5 \times ((5 \times (55+5)) - 5)) \\
&:= 6/6 + (6 \times (6 \times (6 \times 6+6) - 6)) \\
&:= 7 + ((7+7) \times (7 \times (7+7) + 7)) \\
&:= 88 + (88 \times (8+8) - (88/8+8)) \\
&:= 9 + ((9 \times 9 \times (9+9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1478 &:= 11 + (1+1+11) \times (1+1+111) - 1 - 1 \\
&:= (2 \times (2^{2 \times (2+2)} + 22^2)) - 2 \\
&:= 3 + (((3+3) \times (3^3 - 3)) + ((33/3)^3)) \\
&:= 4^4 + (((44 \times 444/4) + 4)/4) \\
&:= 5 + ((5 \times ((5 \times (55+5)) - 5)) - ((5+5)/5)) \\
&:= (6+6)/6 + (6 \times (6 \times (6 \times 6+6) - 6)) \\
&:= 7 + (((7+7) \times (7 \times (7+7) + 7)) + 7/7) \\
&:= 8 + ((88 \times (8+8) - ((8+8)/8)) + 8 \times 8) \\
&:= 9 + (9 \times 9 \times (9+9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1479 &:= 11 + (1+1+11) \times (1+1+111) - 1 \\
&:= (2 \times (22-2))^2 - (22/2)^2 \\
&:= 3 + ((3+3) \times (3 \times 3 \times 3^3 + 3)) \\
&:= 444 + (44/4 + 4 \times 4^4) \\
&:= 5 + ((5 \times ((5 \times (55+5)) - 5)) - 5/5) \\
&:= 6 \times 6 + ((6/6+6+6) \times 666/6) \\
&:= 7 + (((7+7) \times (7 \times (7+7) + 7)) + ((7+7)/7)) \\
&:= (8/8+8+8) \times (88-8/8) \\
&:= 9 + (9 \times 9 \times (9+9) + ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1480 &:= 11 + (1+1+11) \times (1+1+111) \\
&:= 2 \times (2^{2 \times (2+2)} + 22^2) \\
&:= (3-3/3) \times (3^{3+3} + 33/3) \\
&:= 4 + (4 \times ((4/4+4)^4 - 4^4)) \\
&:= 5 + (5 \times ((5 \times (55+5)) - 5)) \\
&:= 6 + ((66+6/6) \times ((66+66)/6)) \\
&:= (7/7+7) \times ((7+7) \times (7+7) - (77/7)) \\
&:= 8 + (88 \times (8+8) + 8 \times 8) \\
&:= ((9+9)/9) \times (9 \times 9 \times 9 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1481 &:= ((1+1+11) \times (1+1+1+111)) - 1 \\
&:= 2 + ((2 \times (22-2))^2 - (22/2)^2) \\
&:= 3^3 + (((3+3) \times 3^{3+3}) - 3)/3 - 3 \\
&:= (4444 - 4/4)/(4-4/4) \\
&:= 5 + ((5 \times ((5 \times (55+5)) - 5)) + 5/5) \\
&:= 6 + ((6 \times (6 \times (6 \times 6+6) - 6)) - 6/6) \\
&:= 77/7 + ((7+7) \times (7 \times (7+7) + 7)) \\
&:= 8 + ((88 \times (8+8) + 8/8) + 8 \times 8) \\
&:= 9 \times 9 \times (9+9) + ((99+99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1482 &:= (1+1+11) \times (1+1+1+111) \\
&:= 2 + (2 \times (2^{2 \times (2+2)} + 22^2)) \\
&:= (3+3) \times (((3^{3+3} + 3)/3) + 3) \\
&:= 444 + (4 \times (4^4 + 4) - (4+4)/4) \\
&:= (5 \times 5 + 5/5) \times ((5+5)/5 + 55) \\
&:= 6 + (6 \times (6 \times (6 \times 6+6) - 6)) \\
&:= (7/7+77) \times ((77+7)/7+7) \\
&:= 8 + ((88 \times (8+8) + ((8+8)/8)) + 8 \times 8) \\
&:= ((9+9)/9) \times (((99+9)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1483 &:= 1 + ((1 + 1 + 11) \times (1 + 1 + 1 + 111)) \\
&:= ((2/2 + 2) \times (22/2 + 22^2)) - 2 \\
&:= 3 + ((3 - 3/3) \times (3^{3+3} + 33/3)) \\
&:= 444 + (4 \times (4^4 + 4) - 4/4) \\
&:= 5 \times 5 + ((5/5 + 5) \times ((5 - (5 + 5)/5)^5)) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 + 6) - 6) + 6/6) \\
&:= 777/7 + (7 \times (7 + 7) \times (7 + 7)) \\
&:= 8 \times 8 + (88 \times (8 + 8) + 88/8) \\
&:= 9 + (((9 \times 9 \times (9 + 9) - (9 + 9)/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1484 &:= 11 \times (1 + 1 + 1 + 11 \times (1 + 11)) - 1 \\
&:= 2 \times ((2^{2 \times (2+2)} + 22^2) + 2) \\
&:= 3^3 + (((3 + 3) \times 3^{3+3}) - 3)/3 \\
&:= 444 + 4 \times (4^4 + 4) \\
&:= (5 \times (5 \times (55 + 5))) - (55/5 + 5) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 + 6) - 6) + (6 + 6)/6) \\
&:= 7 + (((7 + 7) \times (7 \times (7 + 7) + 7) + 7) \\
&:= 8 \times 8 + (((88 + 8)/8) + 88 \times (8 + 8)) \\
&:= (9 \times (99 + 9)) + (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1485 &:= 11 \times (1 + 1 + 1 + 11 \times (1 + 11)) \\
&:= (2/2 + 2) \times (22/2 + 22^2) \\
&:= 3 \times (3 \times ((3 + 3) \times 3^3 + 3)) \\
&:= 4/4 + (4 \times (4^4 + 4) + 444) \\
&:= 55 \times ((5 + 5)/5 + 5 \times 5) \\
&:= 6 + (((6/6 + 6 + 6) \times 666/6) + 6 \times 6) \\
&:= 77/7 \times (((7 + 7)/7)^7 + 7) \\
&:= 88 + (88 \times (8 + 8) - (88/8)) \\
&:= 9 + ((9 \times 9 \times (9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1486 &:= 1 + 11 \times (1 + 1 + 1 + 11 \times (1 + 11)) \\
&:= ((22 + 2) \times (2^{2+2+2} - 2)) - 2 \\
&:= 3^3 + (((3 + 3) \times 3^{3+3}) + 3)/3 \\
&:= 444 + (4 \times (4^4 + 4) + (4 + 4)/4) \\
&:= 5 \times 5 \times 55 + 555/5 \\
&:= ((66 - 6)/6) + (6 \times (6 \times (6 \times 6 + 6) - 6)) \\
&:= ((77 \times (((7 + 7)/7)^7 + 7)) + 7)/7 \\
&:= 88 + ((8 - 88)/8 + 88 \times (8 + 8)) \\
&:= 9 + (((9 \times 9 \times (9 + 9) + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1487 &:= 11 + (1 + 11) \times (1 + 1 + 11^{1+1}) \\
&:= 2 + ((2/2 + 2) \times (22/2 + 22^2)) \\
&:= 3 + (((3 + 3) \times 3^{3+3}) - 3)/3 + 3^3 \\
&:= (44 \times (44 + 4)) - (4/4 + 4)^4 \\
&:= 5 \times 5 \times 55 + (555 + 5)/5 \\
&:= 66/6 + (6 \times (6 \times (6 \times 6 + 6) - 6)) \\
&:= 77 + (((7 + 7 + 7)/7)^7 - 777) \\
&:= 8 + ((8/8 + 8 + 8) \times (88 - 8/8)) \\
&:= 9 + ((9 \times 9 \times (9 + 9) + (99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1488 &:= (1 + 11) \times (1 + 1 + 1 + 11^{1+1}) \\
&:= (22 + 2) \times (2^{2+2+2} - 2) \\
&:= 3 + (3 \times (3 \times ((3 + 3) \times 3^3 + 3))) \\
&:= 4 + (4 \times (4^4 + 4) + 444) \\
&:= (5/5 + 5) \times (((5 - (5 + 5)/5)^5) + 5) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 + 6) - 6) + 6) \\
&:= 7 + (((7 + 7) \times (7 \times (7 + 7) + 7) + (77/7)) \\
&:= 88 + (88 \times (8 + 8) - 8) \\
&:= 999/9 + 9 \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1489 &:= 1 + (1 + 11) \times (1 + 1 + 1 + 11^{1+1}) \\
&:= (2 \times (22 - 2))^2 - 222/2 \\
&:= 3 + ((3 \times (3 \times ((3 + 3) \times 3^3 + 3))) + 3/3) \\
&:= (4 - 4/4)^4 + 4 \times (4 + 4) \times 44 \\
&:= (5 \times (5 \times (55 + 5))) - 55/5 \\
&:= 6 + (((6 \times (6 \times (6 \times 6 + 6) - 6) + 6/6) + 6) \\
&:= (77 \times (7 + 7 + 7)) - ((7 + 7)/7)^7 \\
&:= 8/8 + ((88 \times (8 + 8) - 8) + 88) \\
&:= 9 + (((99 + 99)/9) + 9 \times 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1490 &:= 1 + 1 + (1 + 11) \times (1 + 1 + 1 + 11^{1+1}) \\
&:= 2 + ((22 + 2) \times (2^{2+2+2} - 2)) \\
&:= 33 + (((3 + 3) \times 3^{3+3}) - 3)/3 \\
&:= (4/4 + 4) \times ((4^4 - (4 + 4)/4) + 44) \\
&:= (5 \times (5 \times (55 + 5))) - 5 - 5 \\
&:= 6 \times 6 \times (6 \times 6 + 6) - ((66 + 66)/6) \\
&:= 7 + ((7 \times (7 + 7) \times (7 + 7)) + 777/7) \\
&:= 88 + ((88 \times (8 + 8) - 8) + ((8 + 8)/8)) \\
&:= 9 + (((99 + 99 + 9)/9) + 9 \times 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1491 &:= (1 + 1)^{11} - 1 - (1 + 1111)/(1 + 1) \\
&:= 2 + ((2 \times (22 - 2))^2 - 222/2) \\
&:= 33 + (3^{3+3} + 3^{3+3}) \\
&:= 44 \times 44 - (444 + 4/4) \\
&:= 5 + (5 \times 5 \times 55 + 555/5) \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 - (6 \times 6/(6 + 6))) \\
&:= (7 + 7 + 7) \times ((7/7 - 7) + 77) \\
&:= 8 + ((88 \times (8 + 8) + 88/8) + 8 \times 8) \\
&:= 9 \times 9 \times (9 + 9) + (99/(9 + 9 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1492 &:= (1 + 1)^{11} - (1 + 1111)/(1 + 1) \\
&:= 2 \times ((2 \times 22^2) - 222) \\
&:= 33 + (((3 + 3) \times 3^{3+3}) + 3)/3 \\
&:= 44 \times 44 - 444 \\
&:= 5 + ((555 + 5)/5 + 5 \times 5 \times 55) \\
&:= ((6/6 + 6) \times (6 \times 6 \times 6 - (6 + 6)/6)) - 6 \\
&:= 7 + (77/7 \times (((7 + 7)/7)^7 + 7)) \\
&:= 88 + (88 \times (8 + 8) - (8/(8 + 8)/8)) \\
&:= ((9 + 9)/9) \times (((9 \times 9 \times 9 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1493 &:= (1 + 1)^{11} - (1111 - 1)/(1 + 1) \\
&:= 2/2 + (2 \times ((2 \times 22^2) - 222)) \\
&:= (3 + 3) \times 3^3 + ((33/3)^3) \\
&:= 4/4 + (44 \times 44 - 444) \\
&:= (5 \times (5 \times (55 + 5))) - ((5 + 5)/5 + 5) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 + 6) - 6) + (66/6)) \\
&:= 7 + (((77 \times (((7 + 7)/7)^7 + 7)) + 7)/7) \\
&:= 8 + ((88 \times (8 + 8) - (88/8)) + 88) \\
&:= 9 + ((9 \times (99 + 9)) + (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1494 &:= 1 + (1 + 1)^{11} - (1111 - 1)/(1 + 1) \\
&:= 2 + (2 \times ((2 \times 22^2) - 222)) \\
&:= (3 + 3) \times ((3 + 3)^3 + 33) \\
&:= (4 + 4)/4 + (44 \times 44 - 444) \\
&:= (5 \times (5 \times (55 + 5))) - (5/5 + 5) \\
&:= (6 \times 6 \times (66 - 6)) - 666 \\
&:= (77/7 + 7) \times (77 - 7/7 + 7) \\
&:= 88 + (88 \times (8 + 8) - ((8 + 8)/8)) \\
&:= (9 + 9) \times (((9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1495 &:= (1 + 1 + 11) \times (1 + 1 + 1 + 1 + 111) \\
&:= ((2 \times 22)^2) - ((22 - 2/2)^2) \\
&:= 3/3 + ((3 + 3) \times ((3 + 3)^3 + 33)) \\
&:= (4/4 + 4) \times ((44 - 4/4) + 4^4) \\
&:= (5 \times (5 \times (55 + 5))) - 5 \\
&:= (66 - 6/6) \times ((66/6 + 6) + 6) \\
&:= 7 + (((7 + 7) \times (7 \times (7 + 7) + 7) + (77/7)) + 7) \\
&:= 88 + (88 \times (8 + 8) - 8/8) \\
&:= 9/9 + ((9 + 9) \times (((9 + 9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1496 &:= 11 \times (1 + 1 + 1 + 1 + 11 \times (1 + 11)) \\
&:= 2 \times (22 \times ((2 \times 2^{2+2}) + 2)) \\
&:= 3 + ((3 + 3) \times 3^3 + ((33/3)^3)) \\
&:= 4 + (44 \times 44 - 444) \\
&:= 5/5 + ((5 \times (5 \times (55 + 5))) - 5) \\
&:= 6 \times 66 + ((6666 - 66)/6) \\
&:= 7 + ((77 \times (7 + 7 + 7)) - ((7 + 7)/7)^7) \\
&:= 88 + 88 \times (8 + 8) \\
&:= ((9 - 9/9) + 9) \times (99 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1497 &:= 1 + 11 \times (1 + 1 + 1 + 1 + 11 \times (1 + 11)) \\
&:= (2 \times 22^2) + ((22 + 2/2)^2) \\
&:= 3 + ((3 + 3) \times ((3 + 3)^3 + 33)) \\
&:= 4 + ((44 \times 44 - 444) + 4/4) \\
&:= (5 + 5)/5 + ((5 \times (5 \times (55 + 5))) - 5) \\
&:= 6 + ((6/6 + 6) \times (6 \times 6 \times 6 - (6 \times 6/(6 + 6)))) \\
&:= 77 + ((7 \times ((7 + 7) \times (7 + 7) + 7)) - 7/7) \\
&:= 8/8 + (88 \times (8 + 8) + 88) \\
&:= 9 + (9 \times (9 \times (9 + 9) - 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1498 &:= (1+1)^{11} - (1111-11)/(1+1) \\
&:= 2 + (2 \times (22 \times ((2 \times 2^{2+2}) + 2))) \\
&:= ((3^3 \times 333) - 3)/(3+3) \\
&:= 4^4 + ((4+4)/4 \times ((4/4+4)^4 - 4)) \\
&:= (5 \times (5 \times (55+5))) - (5+5)/5 \\
&:= (6/6+6) \times (6 \times 6 \times 6 - (6+6)/6) \\
&:= 77 + (7 \times ((7+7) \times (7+7) + 7)) \\
&:= 88 + (88 \times (8+8) + ((8+8)/8)) \\
&:= 999 + (((9 \times 999) - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1499 &:= 11 + (1+11) \times (1+1+1+11^{1+1}) \\
&:= ((2 \times (22-2) - 2/2^2) - 22) \\
&:= ((3^3 \times 333) + 3)/(3+3) \\
&:= ((4/4+4) \times (44+4^4)) - 4/4 \\
&:= (5 \times (5 \times (55+5))) - 5/5 \\
&:= 6 \times 6 \times (6 \times 6 + 6) - (6/6+6+6) \\
&:= 7 + ((77/7 \times (((7+7)/7)^7 + 7)) + 7) \\
&:= 88 + ((88 \times (8+8) - 8) + (88/8)) \\
&:= 999 + (((9 \times 999) + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1500 &:= (1+1+1) \times (11-1)^{1+1+1}/(1+1) \\
&:= 2 \times ((22 \times ((2 \times 2^{2+2}) + 2)) + 2) \\
&:= (3 \times 3 + 3) \times ((3-3/3+3)^3) \\
&:= (4/4+4) \times (44+4^4) \\
&:= 5 \times (5 \times (55+5)) \\
&:= 6 \times 6 \times (6 \times 6 + 6) - 6 - 6 \\
&:= ((7+7)/7)^7 + (7 \times (7+7) \times (7+7)) \\
&:= 88 + (88 \times (8+8) + (8/((8+8)/8))) \\
&:= 999 + (((9+9)/9)^9) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1501 &:= 1 + (1+1+1) \times ((11-1)^{1+1+1}/(1+1)) \\
&:= 2 + (((2 \times (22-2) - 2/2^2) - 22) \\
&:= 3 + (((3^3 \times 333) - 3)/(3+3)) \\
&:= 4/4 + ((4/4+4) \times (44+4^4)) \\
&:= 5/5 + (5 \times (5 \times (55+5))) \\
&:= 6 \times 6 \times (6 \times 6 + 6) - 66/6 \\
&:= (((7+7+7)/7)^7) - (7 \times 7 \times (7+7)) \\
&:= (88/8+8) \times (88 - (8/8+8)) \\
&:= (9/9+9+9) \times (9 \times 9 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1502 &:= (1+1+1) \times ((1+1)^{11-1-1} - 11) - 1 \\
&:= 2 \times (((2/2+2)^{2+2+2}) + 22) \\
&:= 3 + (((3^3 \times 333) + 3)/(3+3)) \\
&:= 4^4 + ((4+4)/4 \times (4/4+4)^4 - 4) \\
&:= (5+5)/5 + (5 \times (5 \times (55+5))) \\
&:= ((6-66)/6) + 6 \times 6 \times (6 \times 6 + 6) \\
&:= 7 \times (7 \times 7 + 7) + (7777-7)/7 \\
&:= 8 + ((88 \times (8+8) - ((8+8)/8)) + 88) \\
&:= 999 + (((9+9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1503 &:= (1+1+1) \times ((1+1)^{11-1-1} - 11) \\
&:= (2/2+2)^2 \times (((22/2+2)^2) - 2) \\
&:= 3 \times (((3+3) \times (3 \times 3^3 + 3)) - 3) \\
&:= (4 \times (444-4)) - (4/4+4^4) \\
&:= 5 + ((5 \times (5 \times (55+5))) - ((5+5)/5)) \\
&:= (((6-66)+6)/6) + 6 \times 6 \times (6 \times 6 + 6) \\
&:= 7 \times (7 \times 7 + 7) + 7777/7 \\
&:= 8 + ((88 \times (8+8) - 8/8) + 88) \\
&:= 9 + ((9+9) \times (((9+9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1504 &:= 1 + (1+1+1) \times ((1+1)^{11-1-1} - 11) \\
&:= 2 \times (2 \times ((22-2)^2 - (22+2))) \\
&:= ((3^3 \times 333) + 33)/(3+3) \\
&:= (4+4) \times (444-4^4) \\
&:= 5 + ((5 \times (5 \times (55+5))) - 5/5) \\
&:= 6 \times 6 \times (6 \times 6 + 6) - ((6+6)/6+6) \\
&:= (7/7+7) \times (777/7+77) \\
&:= 8 + (88 \times (8+8) + 88) \\
&:= 9 + (((9+9) \times (((9+9)/9) + 9 \times 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1505 &:= (1+11)^{1+1+1} - 1 - (1+1) \times 111 \\
&:= 22^2 + (((2^{22/2} - 2)/2) - 2) \\
&:= ((3/3+3) + 3) \times (((3+3)^3 - 3/3)) \\
&:= 4/4 + ((4+4) \times (444-4^4)) \\
&:= 5 + (5 \times (5 \times (55+5))) \\
&:= (6/6+6) \times (6 \times 6 \times 6 - 6/6) \\
&:= 7 \times (7 \times 7 \times 7 - ((7+7)/7)^7) \\
&:= 8 + ((88 \times (8+8) + 88) + 8/8) \\
&:= 9 + (((9-9/9) + 9) \times (99 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1506 &:= (1+11)^{1+1+1} - (1+1) \times 111 \\
&:= 22^2 + ((2^{2 \times (2+2)+2}) - 2) \\
&:= 3 + (3 \times (((3+3) \times (3 \times 3^3 + 3)) - 3)) \\
&:= 4^4 + (4+4)/4 \times (4/4+4)^4 \\
&:= 5 + ((5 \times (5 \times (55+5))) + 5/5) \\
&:= 6 \times 6 \times (6 \times 6 + 6) - 6 \\
&:= (77 \times (7+7+7)) - 777/7 \\
&:= 8 + ((88 \times (8+8) + ((8+8)/8)) + 88) \\
&:= 9 + ((9 \times (9 \times (9+9) - 9) + 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1507 &:= 11 \times (111 + ((1+1) \times (1+1+11))) \\
&:= 22^2 + ((2^{22/2} - 2)/2) \\
&:= 3 + (((3^3 \times 333) + 33)/(3+3)) \\
&:= 4 \times 44 + ((44/4)^{4-4/4}) \\
&:= 5 + ((5 \times (5 \times (55+5))) + ((5+5)/5)) \\
&:= 6/6 + (6 \times 6 \times (6 \times 6 + 6) - 6) \\
&:= 7 + ((7 \times (7+7) \times (7+7)) + ((7+7)/7)^7) \\
&:= 88 + (88 \times (8+8) + 88/8) \\
&:= 9 \times 9 \times (9+9) + ((9 \times 99 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1508 &:= (1+1)^{11-1} + (11+11)^{1+1} \\
&:= 22^2 + (2^{2 \times (2+2)+2}) \\
&:= 3 + (((3/3+3) + 3) \times ((3+3)^3 - 3/3)) \\
&:= 4 + ((4+4) \times (444-4^4)) \\
&:= ((5^5 + 5/5)/(5+5)/5) - 55 \\
&:= (6+6)/6 + (6 \times 6 \times (6 \times 6 + 6) - 6) \\
&:= 7 + (((7+7+7)/7)^7) - (7 \times 7 \times (7+7)) \\
&:= 88 + (((88+8)/8) + 88 \times (8+8)) \\
&:= 9 \times 9 \times (9+9) + ((9 \times 99 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1509 &:= 1 + (1+1)^{11-1} + (11+11)^{1+1} \\
&:= 22^2 + ((2^{22/2} + 2)/2) \\
&:= 3 \times (((3-3/3)^{3 \times 3}) - 3 \times 3) \\
&:= 4 \times 4^4 + ((44 \times 44 + 4)/4) \\
&:= 5 + (((5 \times (5 \times (55+5))) - 5/5) + 5) \\
&:= 6 \times 6 \times (6 \times 6 + 6) - 6 \times 6/(6+6) \\
&:= (((7+7)/7)^{77/7}) - 7 \times 77 \\
&:= 8 + ((88/8+8) \times (88 - (8/8+8))) \\
&:= ((9+9+9)/9) \times (((9+9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1510 &:= ((1+1+1) \times (1+1+11))^{1+1} - 11 \\
&:= 2 + ((2^{2 \times (2+2)+2}) + 22^2) \\
&:= 3/3 + (3 \times (((3-3/3)^{3 \times 3}) - 3 \times 3)) \\
&:= 4 + ((4+4)/4 \times (4/4+4)^4 + 4^4) \\
&:= 5 + ((5 \times (5 \times (55+5))) + 5) \\
&:= 6 \times 6 \times (6 \times 6 + 6) - (6+6)/6 \\
&:= 7 + (7777/7 + 7 \times (7 \times 7 + 7)) \\
&:= 88 \times (8+8) + ((888-8)/8-8) \\
&:= 999 + (((9+9)/9)^9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1511 &:= 1111 + ((1+1) \times (11-1))^{1+1} \\
&:= (22-2)^2 + 2222/2 \\
&:= 3 \times 333 + ((3-3/3)^{3 \times 3}) \\
&:= ((4^4 - 4) \times ((4+4)/4+4)) - 4/4 \\
&:= 55/5 + (5 \times (5 \times (55+5))) \\
&:= 6 \times 6 \times (6 \times 6 + 6) - 6/6 \\
&:= ((77+7) \times (77/7+7)) - 7/7 \\
&:= 888/8 + (88 \times (8+8) - 8) \\
&:= 999 + (((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1512 &:= (11-1-1) \times ((1+1+11)^{1+1} - 1) \\
&:= 2 \times (2 \times ((22-2)^2 - 22)) \\
&:= 3 \times ((3+3) \times (3 \times 3^3 + 3)) \\
&:= (4^4 - 4) \times ((4+4)/4+4) \\
&:= ((55+5)/5) + (5 \times (5 \times (55+5))) \\
&:= 6 \times 6 \times (6 \times 6 + 6) \\
&:= (77+7) \times (77/7+7) \\
&:= (8+8+8) \times (8 \times 8 - 8/8) \\
&:= (9+9) \times (((9+9+9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1513 &:= (1 + ((111 - 1)/(1 + 1))^{1+1})/(1 + 1) \\
&:= 2 + 2222/2 + (22 - 2)^2 \\
&:= 3/3 + (3 \times ((3 + 3) \times (3 \times 3^3 + 3))) \\
&:= 4/4 + ((4^4 - 4) \times ((4 + 4)/4 + 4)) \\
&:= (55 \times 55 + 5/5)/(5 + 5)/5 \\
&:= 6/6 + 6 \times 6 \times (6 \times 6 + 6) \\
&:= 7/7 + ((77 + 7) \times (77/7 + 7)) \\
&:= (8/8 + 8 + 8) \times (8/8 + 88) \\
&:= ((9 - 9/9) + 9) \times ((9 \times 9 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1514 &:= 1 + (1 + ((111 - 1)/(1 + 1))^{1+1})/(1 + 1) \\
&:= 2 + 2 \times 2 \times ((22 - 2)^2 - 22) \\
&:= (3 + 3)^3 + (((33/3)^3) - 33) \\
&:= 4^4 + ((4 + 4)/4 \times ((4/4 + 4)^4 + 4)) \\
&:= (5 \times ((5 \times (55 + 5)) + 5)) - 55/5 \\
&:= (6 + 6)/6 + 6 \times 6 \times (6 \times 6 + 6) \\
&:= ((7 + 7)/7) + ((77 + 7) \times (77/7 + 7)) \\
&:= 8/8 + ((8/8 + 8 + 8) \times (8/8 + 88)) \\
&:= 9 \times 9 \times (9 + 9) + ((999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1515 &:= (1 + 1 + 1 + 1 + 11) \times (1 + (11 - 1)^{1+1}) \\
&:= (2/2 + 2) \times (22^2 - 2/2 + 22) \\
&:= 3 + (3 \times ((3 + 3) \times (3 \times 3^3 + 3))) \\
&:= 4 \times 444 - ((4/4 + 4^4) + 4) \\
&:= 5 + (((5 \times (5 \times (55 + 5))) + 5) + 5) \\
&:= (6 \times 6/(6 + 6)) + 6 \times 6 \times (6 \times 6 + 6) \\
&:= (7/7 + 7 + 7) \times (7777/77) \\
&:= 8 + ((88 \times (8 + 8) + 88/8) + 88) \\
&:= 9 \times 9 \times (9 + 9) + (((9 + 9)/9)^9 + 9/9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1516 &:= 1 + ((1 + 1 + 1 + 1 + 11) \times (1 + (11 - 1)^{1+1})) \\
&:= 2 \times ((2 \times ((22 - 2)^2 - 22)) + 2) \\
&:= 3 + ((3 \times ((3 + 3) \times (3 \times 3^3 + 3))) + 3/3) \\
&:= 4 \times 444 - (4^4 + 4) \\
&:= 5 + ((5 \times (5 \times (55 + 5))) + (55/5)) \\
&:= 6 + (6 \times 6 \times (6 \times 6 + 6) - ((6 + 6)/6)) \\
&:= 7 + (((7 + 7)/7)^{77/7} - 7 \times 77) \\
&:= 8 \times 8 \times (8 + 8 + 8) - ((88 + 8)/8 + 8) \\
&:= 9 + (((9 \times 99 - 9)/(9 + 9)) + 9 \times 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1517 &:= (11 \times (111 + (1 + 1 + 1)^{1+1+1})) - 1 \\
&:= ((2 \times (22 - 2) - 2/2)^2) - 2 - 2 \\
&:= 3 + (((33/3)^3) - 33) + (3 + 3)^3 \\
&:= 4/4 + (4 \times 444 - (4^4 + 4)) \\
&:= 5 + ((5 \times (5 \times (55 + 5))) + ((55 + 5)/5)) \\
&:= 6 + (6 \times 6 \times (6 \times 6 + 6) - 6/6) \\
&:= (7 \times (7 \times (7 \times 7 - 7) - 77)) - (7 + 7)/7 \\
&:= 8 \times 8 \times (8 + 8 + 8) - (88/8 + 8) \\
&:= (9 \times (9 \times (9 + 9) + 9)) - ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1518 &:= 11 \times (111 + (1 + 1 + 1)^{1+1+1}) \\
&:= 222 + (2 + 2 + 2)^{2+2} \\
&:= 3 \times (((3 - 3/3)^{3 \times 3}) - (3 + 3)) \\
&:= ((4 + 4)/4 + 4) \times ((4/4 - 4) + 4^4) \\
&:= 5 + ((55 \times 55 + 5/5)/(5 + 5)/5) \\
&:= 6 + 6 \times 6 \times (6 \times 6 + 6) \\
&:= (7 \times (7 \times (7 \times 7 - 7) - 77)) - 7/7 \\
&:= 88 \times (8 + 8) + (888 - 8)/8 \\
&:= 9 + (((9 + 9 + 9)/9) \times (((9 + 9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1519 &:= (1 + 1)^{11} - (1 + 11 + 11)^{1+1} \\
&:= ((2 \times (22 - 2) - 2/2)^2) - 2 \\
&:= ((3/3 + 3) + 3) \times ((3 + 3)^3 + 3/3) \\
&:= 4 \times 444 - (4/4 + 4^4) \\
&:= (5 \times ((5 \times (55 + 5)) + 5)) - (5/5 + 5) \\
&:= 6 + (6 \times 6 \times (6 \times 6 + 6) + 6/6) \\
&:= 7 \times (7 \times (7 \times 7 - 7) - 77) \\
&:= 888/8 + 88 \times (8 + 8) \\
&:= (9 \times (9 \times (9 + 9) + 9)) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1520 &:= ((1 + 1 + 1) \times (1 + 1 + 11))^{1+1} - 1 \\
&:= 2 + ((2 + 2 + 2)^{2+2} + 222) \\
&:= (3 + 3)^3 + (((33/3)^3) - 3^3) \\
&:= 4 \times 444 - 4^4 \\
&:= (5 \times ((5 \times (55 + 5)) + 5)) - 5 \\
&:= 6 + (6 \times 6 \times (6 \times 6 + 6) + ((6 + 6)/6)) \\
&:= 7/7 + (7 \times (7 \times (7 \times 7 - 7) - 77)) \\
&:= (8 + 8) \times (88 - 8/8 + 8) \\
&:= 9 + (((9 + 9)/9)^9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1521 &:= ((1 + 1 + 1) \times (1 + 1 + 11))^{1+1} \\
&:= (2 \times (22 - 2) - 2/2)^2 \\
&:= (33 + 3 + 3)^{3-3/3} \\
&:= 4/4 + (4 \times 444 - 4^4) \\
&:= 5/5 + ((5 \times ((5 \times (55 + 5)) + 5)) - 5) \\
&:= 66 \times (6 + 6) + ((6 \times 6/(6 + 6))^6) \\
&:= (((7 - 77)/7) + 7 \times 7)^{(7+7)/7} \\
&:= 8 + ((8/8 + 8 + 8) \times (8/8 + 88)) \\
&:= (9 \times (99 + 9 \times 9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1522 &:= 1 + ((1 + 1 + 1) \times (1 + 1 + 11))^{1+1} \\
&:= 2/2 + ((2 \times (22 - 2) - 2/2)^2) \\
&:= 3/3 + ((33 + 3 + 3)^{3-3/3}) \\
&:= (4 + 4)/4 + (4 \times 444 - 4^4) \\
&:= (5 + 5)/5 + ((5 \times ((5 \times (55 + 5)) + 5)) - 5) \\
&:= ((66 - 6)/6) + 6 \times 6 \times (6 \times 6 + 6) \\
&:= ((77 + 7)/7 \times ((7 + 7)/7)^7) - (7 + 7) \\
&:= (8 + 8)/8 + ((8 + 8) \times (88 - 8/8 + 8)) \\
&:= 9/9 + ((9 \times (99 + 9 \times 9)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1523 &:= 1 + 1 + ((1 + 1 + 1) \times (1 + 1 + 11))^{1+1} \\
&:= 2 + ((2 \times (22 - 2) - 2/2)^2) \\
&:= ((33/3)^3) + (3 \times ((3/3 + 3)^3)) \\
&:= 4 + (4 \times 444 - (4/4 + 4^4)) \\
&:= (5 \times ((5 \times (55 + 5)) + 5)) - (5 + 5)/5 \\
&:= 66/6 + 6 \times 6 \times (6 \times 6 + 6) \\
&:= 77/7 + ((77 + 7) \times (77/7 + 7)) \\
&:= 88/8 + ((8 + 8 + 8) \times (8 \times 8 - 8/8)) \\
&:= (9 + 9)/9 + ((9 \times (99 + 9 \times 9)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1524 &:= 1 + 1 + 1 + ((1 + 1 + 1) \times (1 + 1 + 11))^{1+1} \\
&:= (2 + 2 + 2) \times (2^{2 \times (2+2)} - 2) \\
&:= 3 + ((33 + 3 + 3)^{3-3/3}) \\
&:= 4 + (4 \times 444 - 4^4) \\
&:= (5 \times ((5 \times (55 + 5)) + 5)) - 5/5 \\
&:= 6 + (6 \times 6 \times (6 \times 6 + 6) + 6) \\
&:= ((7 + 7)/7) \times (777 - (7/7 + 7 + 7)) \\
&:= ((88 + 8)/8) \times (8 \times (8 + 8) - 8/8) \\
&:= 9 \times 9 + (999/9 \times ((99 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1525 &:= (1 + 1 + 1) \times (1 + 1)^{11-1-1} - 11 \\
&:= 2 + (((2 \times (22 - 2) - 2/2)^2) + 2) \\
&:= (3 \times ((3 - 3/3)^{3 \times 3})) - 33/3 \\
&:= 4 + 4 \times 444 - 4^4 + 4/4 \\
&:= 5 \times ((5 \times (55 + 5)) + 5) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 + 6) + 6/6) + 6) \\
&:= (((7 + 7) \times (777 - (7 + 7))) - 7)/7 \\
&:= 8 \times 8 \times (8 + 8 + 8) - 88/8 \\
&:= 9 \times 9 + (((99/9 + 9 + 9) + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1526 &:= (1 + (1 + 1 + 11)) \times (111 - 1 - 1) \\
&:= 2 + ((2 + 2 + 2) \times (2^{2 \times (2+2)} - 2)) \\
&:= 33 \times (3 + 3) + (((33/3)^3) - 3) \\
&:= (((4 + 4)/4 + 4) \times (4^4 - 4/4)) - 4 \\
&:= 5/5 + (5 \times ((5 \times (55 + 5)) + 5)) \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 + (6 + 6)/6) \\
&:= 7 + (7 \times (7 \times (7 \times 7 - 7) - 77)) \\
&:= (8 - 88)/8 + 8 \times 8 \times (8 + 8 + 8) \\
&:= (9 + 9) \times 99 - (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1527 &:= 1 + (1 + 1 + 1 + 11) \times (111 - 1 - 1) \\
&:= 2 + (((2 \times (22 - 2) - 2/2)^2) + 2) + 2 \\
&:= 3 \times (((3 - 3/3)^{3 \times 3}) - 3) \\
&:= 4 + ((4 \times 444 - (4/4 + 4^4)) + 4) \\
&:= (5 + 5)/5 + (5 \times ((5 \times (55 + 5)) + 5)) \\
&:= 6 + (((6 \times 6/(6 + 6))^6) + 66 \times (6 + 6)) \\
&:= (((7 + 7) \times (777 - (7 + 7))) + 7)/7 \\
&:= 8 \times 8 \times (8 + 8 + 8) - (8/8 + 8) \\
&:= (9 \times (9 \times (9 + 9) + 9)) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1528 &:= 1 + (1 + (1 + 1 + 1 + 11) \times (111 - 1 - 1)) \\
&:= 2 \times (2 \times ((2^{2+2} \times (22 + 2)) - 2)) \\
&:= 3/3 + (3 \times (((3 - 3/3)^{3 \times 3}) - 3)) \\
&:= 4 + ((4 \times 444 - 4^4) + 4) \\
&:= 5 + ((5 \times ((5 \times (55 + 5)) + 5)) - ((5 + 5)/5)) \\
&:= 6 + (6 \times 6 \times (6 \times 6 + 6) + ((66 - 6)/6)) \\
&:= 7 + (((7 - 77)/7) + 7 \times 7)^{(7+7)/7} \\
&:= 8 \times 8 \times (8 + 8 + 8) - 8 \\
&:= (9 \times (9 \times (9 + 9) + 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1529 &:= 11 \times (((11 - 1) \times (1 + (1 + 1 + 11)))) - 1) \\
&:= 2 \times (2 + 2) + ((2 \times (22 - 2) - 2/2)^2) \\
&:= 33 \times (3 + 3) + ((33/3)^3) \\
&:= 4 + (((4 \times 444 - 4^4) + 4/4) + 4) \\
&:= 5 + ((5 \times ((5 \times (55 + 5)) + 5)) - 5/5) \\
&:= 6 + (6 \times 6 \times (6 \times 6 + 6) + (66/6)) \\
&:= ((77 + 7)/7 \times ((7 + 7)/7)^7) - 7 \\
&:= 8/8 + (8 \times 8 \times (8 + 8 + 8) - 8) \\
&:= (9 \times (9 \times (9 + 9) + 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1530 &:= (11 - 1) \times ((11 \times (1 + (1 + 1 + 11)))) - 1) \\
&:= (2/2 + 2) \times ((2^{(2/2+2)^2}) - 2) \\
&:= 3 + (3 \times (((3 - 3/3)^{3 \times 3}) - 3)) \\
&:= ((4 + 4)/4 + 4) \times (4^4 - 4/4) \\
&:= 5 + (5 \times ((5 \times (55 + 5)) + 5)) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 + 6) + 6) + 6) \\
&:= (77/7 + 7) \times (7/7 + 77 + 7) \\
&:= (8 + 8)/8 + (8 \times 8 \times (8 + 8 + 8) - 8) \\
&:= (9 \times (9 \times (9 + 9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1531 &:= 1 + ((11 - 1) \times ((11 \times (1 + (1 + 1 + 11)))) - 1) \\
&:= 2 + (((2 \times (22 - 2) - 2/2)^2) + 2 \times (2 + 2)) \\
&:= 3 + ((3 \times (((3 - 3/3)^{3 \times 3}) - 3)) + 3/3) \\
&:= 4^4 + (4/4 + 4) \times (4^4 - 4/4) \\
&:= 5 + ((5 \times ((5 \times (55 + 5)) + 5)) + 5/5) \\
&:= 6 + (((6 \times 6 \times (6 \times 6 + 6) + 6/6) + 6) + 6) \\
&:= 77 + (7777/7 + 7 \times 7 \times 7) \\
&:= 88/8 + ((8 + 8) \times (88 - 8/8 + 8)) \\
&:= 9/9 + ((9 \times (9 \times (9 + 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1532 &:= 11 + ((1 + 1 + 1) \times (1 + 1 + 11))^{1+1} \\
&:= 2 \times ((2 \times (2^{2+2} \times (22 + 2))) - 2) \\
&:= 3 + (33 \times (3 + 3) + ((33/3)^3)) \\
&:= (4 \times (4 + 4) \times (44 + 4)) - 4 \\
&:= ((5 + 5)/5)^5 + (5 \times (5 \times (55 + 5))) \\
&:= 6 + ((6/6 + 6) \times (6 \times 6 \times 6 + (6 + 6)/6)) \\
&:= ((7 + 7)/7) \times (777 - (77/7)) \\
&:= 8 \times 8 \times (8 + 8 + 8) - (8/((8 + 8)/8)) \\
&:= (9 + 9)/9 + ((9 \times (9 \times (9 + 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1533 &:= (1 + 1 + 1) \times ((1 + 1)^{11-1-1} - 1) \\
&:= (2/2 + 2) \times ((2^{(2/2+2)^2}) - 2/2) \\
&:= (3 \times ((3 - 3/3)^{3 \times 3})) - 3 \\
&:= 4/4 + ((4 \times (4 + 4) \times (44 + 4)) - 4) \\
&:= ((5/5 + 5)^5 - 555/5)/5 \\
&:= (6/6 + 6) \times ((6 \times 6/(6 + 6)) + 6 \times 6 \times 6) \\
&:= (77 \times (7 + 7 + 7)) - (77 + 7) \\
&:= 8 + (8 \times 8 \times (8 + 8 + 8) - (88/8)) \\
&:= ((9 + 9 + 9)/9) + ((9 \times (9 \times (9 + 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1534 &:= 1 + ((1 + 1 + 1) \times ((1 + 1)^{11-1-1} - 1)) \\
&:= ((2 + 2 + 2) \times 2^{2 \times (2+2)}) - 2 \\
&:= 3/3 + ((3 \times ((3 - 3/3)^{3 \times 3}) - 3) \\
&:= 4 + (((4 + 4)/4 + 4) \times (4^4 - 4/4)) \\
&:= (5 \times 5 + 5/5) \times (55 - 5/5 + 5) \\
&:= (6/6 + 6 + 6) \times ((666 + 6)/6 + 6) \\
&:= (7 - 7/7 + 7) \times (777/7 + 7) \\
&:= 8 \times 8 \times (8 + 8 + 8) - (8 + 8)/8 \\
&:= ((9 - 99)/(9 + 9)) + (9 \times (9 \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1535 &:= ((1 + 1 + 1) \times (1 + 1)^{11-1-1}) - 1 \\
&:= ((2 + 2 + 2) \times 2^{2 \times (2+2)}) - 2/2 \\
&:= (3 \times ((3 - 3/3)^{3 \times 3})) - 3/3 \\
&:= (4 \times (4 + 4) \times (44 + 4)) - 4/4 \\
&:= 5 \times (5^5 - 55)/(5 + 5) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 + 6) + (66/6)) + 6) \\
&:= (((77 + 7) \times ((7 + 7)/7)^7) - 7)/7 \\
&:= 8 \times 8 \times (8 + 8 + 8) - 8/8 \\
&:= ((9 - 9 \times 9)/(9 + 9)) + (9 \times (9 \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1536 &:= (1 + 1 + 1) \times (1 + 1)^{11-1-1} \\
&:= (2 + 2 + 2) \times 2^{2 \times (2+2)} \\
&:= 3 \times ((3 - 3/3)^{3 \times 3}) \\
&:= 4 \times (4 + 4) \times (44 + 4) \\
&:= 5/5 + (5 \times (5^5 - 55)/(5 + 5)) \\
&:= 6 \times (((6 + 6)/6)^{6+(6+6)/6}) \\
&:= (77 + 7)/7 \times ((7 + 7)/7)^7 \\
&:= 8 \times 8 \times (8 + 8 + 8) \\
&:= ((9 + 9 + 9)/9) \times (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1537 &:= 1 + ((1 + 1 + 1) \times (1 + 1)^{11-1-1}) \\
&:= 2/2 + ((2 + 2 + 2) \times 2^{2 \times (2+2)}) \\
&:= 3/3 + (3 \times ((3 - 3/3)^{3 \times 3})) \\
&:= 4/4 + (4 \times (4 + 4) \times (44 + 4)) \\
&:= ((5^5 - 5/5)/((5 + 5)/5)) - 5 \times 5 \\
&:= 6 \times 6 \times (6 \times 6 + 6 + 6) - 66/6 \\
&:= (((77 + 7) \times ((7 + 7)/7)^7) + 7)/7 \\
&:= 8/8 + 8 \times 8 \times (8 + 8 + 8) \\
&:= (9 \times (9 \times (9 + 9) + 9)) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1538 &:= 1 + (1 + ((1 + 1 + 1) \times (1 + 1)^{11-1-1})) \\
&:= 2 + ((2 + 2 + 2) \times 2^{2 \times (2+2)}) \\
&:= 3 + ((3 \times ((3 - 3/3)^{3 \times 3})) - 3/3) \\
&:= (4 + 4)/4 + (4 \times (4 + 4) \times (44 + 4)) \\
&:= ((5^5 + 5/5)/((5 + 5)/5)) - 5 \times 5 \\
&:= ((6 - 66)/6) + 6 \times 6 \times (6 \times 6 + 6 + 6) \\
&:= ((7 + 7)/7) \times (777 - (7/7 + 7)) \\
&:= (8 + 8)/8 + 8 \times 8 \times (8 + 8 + 8) \\
&:= (9 \times (9 \times (9 + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1539 &:= (1 + 1 + 1) \times (1 + (1 + 1)^{11-1-1}) \\
&:= 2 + (((2 + 2 + 2) \times 2^{2 \times (2+2)}) + 2/2) \\
&:= 3 + (3 \times ((3 - 3/3)^{3 \times 3})) \\
&:= 4 + ((4 \times (4 + 4) \times (44 + 4)) - 4/4) \\
&:= (55 \times (5 \times 5 + 5)) - 555/5 \\
&:= 6 + ((6/6 + 6) \times ((6 \times 6/(6 + 6)) + 6 \times 6 \times 6)) \\
&:= (((7 + 7) \times (777 - 7)) - 7)/7 \\
&:= 88/8 + (8 \times 8 \times (8 + 8 + 8) - 8) \\
&:= 9 \times (9 \times (9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1540 &:= (111 - 1) \times (1 + (1 + 1 + 11)) \\
&:= 22 \times ((2 \times (22 + 2)) + 22) \\
&:= 3 + ((3 \times ((3 - 3/3)^{3 \times 3})) + 3/3) \\
&:= 4 + (4 \times (4 + 4) \times (44 + 4)) \\
&:= 5 \times ((5^5 + 5)/(5 + 5) - 5) \\
&:= (6/6 + 6) \times ((6 \times 6 \times 6 - (6 + 6)/6) + 6) \\
&:= 77 \times ((7 - 7/7 + 7) + 7) \\
&:= (8/((8 + 8)/8)) + 8 \times 8 \times (8 + 8 + 8) \\
&:= 9/9 + (9 \times (9 \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1541 &:= 1 + ((111 - 1) \times (1 + (1 + 1 + 11))) \\
&:= ((2 \times 22 + 2/2)^2) - 22^2 \\
&:= (3 + 3)^3 + (((33/3)^3) - (3 + 3)) \\
&:= 4 + ((4 \times (4 + 4) \times (44 + 4)) + 4/4) \\
&:= 5/5 + (5 \times ((5^5 + 5)/(5 + 5) - 5)) \\
&:= (66 + 6/6) \times ((66/6 + 6) + 6) \\
&:= (((7 + 7) \times (777 - 7)) + 7)/7 \\
&:= 8 + ((8 \times 8 \times (8 + 8 + 8) - (88/8)) + 8) \\
&:= (9 + 9)/9 + (9 \times (9 \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1542 &:= 1 + (1 + ((111 - 1) \times (1 + (1 + 1 + 11)))) \\
&:= (2 \times 22 - 2)^2 - 222 \\
&:= 3 + ((3 \times ((3 - 3/3)^{3 \times 3})) + 3) \\
&:= ((4 + 4)/4 + 4) \times (4/4 + 4^4) \\
&:= 5 + (((5^5 - 5/5)/((5 + 5)/5)) - 5 \times 5) \\
&:= 6 \times 6 \times (6 \times 6 + 6 + 6) - 6 \\
&:= ((7 + 7)/7) \times ((777 - 7) + 7/7) \\
&:= 8 + (8 \times 8 \times (8 + 8 + 8) - ((8 + 8)/8)) \\
&:= ((9 + 9 + 9)/9) + (9 \times (9 \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1543 &:= (111 \times (1 + (1 + 1 + 11))) - 11 \\
&:= 22 + ((2 \times (22 - 2) - 2/2)^2) \\
&:= (((3 \times (3 + 3)) + 3)^3 - 3)/(3 + 3) \\
&:= 4 + (((4 \times (4 + 4) \times (44 + 4)) - 4/4) + 4) \\
&:= 5 + (((5^5 + 5/5)/(5 + 5)/5) - 5 \times 5) \\
&:= 6/6 + (6 \times 6 \times (6 \times 6 + 6 + 6) - 6) \\
&:= (((7 + 7) \times 777) - 77)/7 \\
&:= 8 + (8 \times 8 \times (8 + 8 + 8) - 8/8) \\
&:= 999 + (((99 \times 99) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1544 &:= 1 + ((111 \times (1 + (1 + 1 + 11))) - 11) \\
&:= 2 \times 22^2 + ((22 + 2)^2) \\
&:= (3 + 3)^3 + (((33/3)^3) - 3) \\
&:= 4 + ((4 \times (4 + 4) \times (44 + 4)) + 4) \\
&:= ((5/5 + 5)^5 - (55 + 5/5))/5 \\
&:= (6 + 6)/6 + 6 \times (6 \times (6 \times 6 + 6) + 6) - 6 \\
&:= (((7 + 7) \times 777) - 77) + 7/7 \\
&:= 8 + 8 \times 8 \times (8 + 8 + 8) \\
&:= 999 + (((99 \times 99) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1545 &:= 1 + (1 + ((111 \times (1 + (1 + 1 + 11))) - 11)) \\
&:= 2 + (((2 \times (22 - 2) - 2/2)^2) + 22) \\
&:= 3 \times (((3 - 3/3)^{3 \times 3}) + 3) \\
&:= 4 + (((4 \times (4 + 4) \times (44 + 4)) + 4/4) + 4) \\
&:= 5 + (5 \times ((5^5 + 5)/(5 + 5) - 5)) \\
&:= 6 \times 6 \times (6 \times 6 + 6) + (66 \times 6/(6 + 6)) \\
&:= (((7 + 7)/7) \times (777 - 7/7)) - 7 \\
&:= 8 + (8 \times 8 \times (8 + 8 + 8) + 8/8) \\
&:= 9 + (((9 + 9 + 9)/9) \times (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1546 &:= ((1 + 1 + 11) \times (11^{1+1} - (1 + 1))) - 1 \\
&:= 2 + (2 \times 22^2 + ((22 + 2)^2)) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3 - 3)/(3 + 3) \\
&:= 4 + (((4 + 4)/4 + 4) \times (4/4 + 4^4)) \\
&:= 5^5 - ((5 - 5/5)^5 + 555) \\
&:= 6 \times (6 \times (6 \times 6 + 6) + 6) - (6 + 6)/6 \\
&:= (((7 + 7) \times 777) - 7)/7 - 7 \\
&:= 8 + (8 \times 8 \times (8 + 8 + 8) + (8 + 8)/8) \\
&:= 9 + ((9 \times (9 \times (9 + 9) + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1547 &:= (1 + 1 + 11) \times (11^{1+1} - 1 - 1) \\
&:= (22/2 + 2) \times ((22/2)^2 - 2) \\
&:= (3 + 3)^3 + ((33/3)^3) \\
&:= 44/4 + (4 \times (4 + 4) \times (44 + 4)) \\
&:= ((5^5 - 5/5)/(5 + 5)/5) - (5 + 5 + 5) \\
&:= 6 \times (6 \times (6 \times 6 + 6) + 6) - 6/6 \\
&:= 777 + (777 - 7) \\
&:= 88/8 + 8 \times 8 \times (8 + 8 + 8) \\
&:= 9 + ((9 \times (9 \times (9 + 9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1548 &:= 1 + ((1 + 1 + 11) \times (11^{1+1} - (1 + 1))) \\
&:= (2 + 2 + 2) \times (2^{2 \times (2+2)} + 2) \\
&:= 3 + (3 \times (((3 - 3/3)^{3 \times 3}) + 3)) \\
&:= 4^4 + (((4 + 4)/4 + 4)^4 - 4) \\
&:= (((5/5 + 5)^5 - (55/5))/5) - 5 \\
&:= 6 \times (6 \times (6 \times 6 + 6) + 6) \\
&:= (((7 + 7) \times 777) + 7)/7 - 7 \\
&:= ((88 + 8)/8) + 8 \times 8 \times (8 + 8 + 8) \\
&:= 9 + (9 \times (9 \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1549 &:= ((1 + 1 + 11) \times (11^{1+1} - 1)) - 11 \\
&:= 2 + ((22/2 + 2) \times ((22/2)^2 - 2)) \\
&:= (((3 \times (3 + 3)) + 3)^3 + 33)/(3 + 3) \\
&:= 4/4 + (((4 + 4)/4 + 4)^4 - 4) + 4^4 \\
&:= (5 \times (5^5 - 5)/(5 + 5)) - 55/5 \\
&:= 6/6 + 6 \times (6 \times (6 \times 6 + 6) + 6) \\
&:= (((7 + 7)/7) \times (777 + 7/7)) - 7 \\
&:= 8 \times 8 \times (8 + 8 + 8) + (88 + 8 + 8)/8 \\
&:= 9 + ((9 \times (9 \times (9 + 9) + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1550 &:= (11 - 1) \times (11 + (1 + 11)^{1+1}) \\
&:= 2 + ((2 + 2 + 2) \times (2^{2 \times (2+2)} + 2)) \\
&:= 3 + (((33/3)^3) + (3 + 3)^3) \\
&:= 4 + (((4 + 4)/4 + 4) \times (4/4 + 4^4)) + 4 \\
&:= 5 \times (((5 \times (55 + 5)) + 5) + 5) \\
&:= (6 + 6)/6 + 6 \times (6 \times (6 \times 6 + 6) + 6) \\
&:= 7 + (((7 + 7) \times 777) - 77)/7 \\
&:= 8 + ((8 \times 8 \times (8 + 8 + 8) - ((8 + 8)/8)) + 8) \\
&:= 99/9 + (9 \times (9 \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1551 &:= 11 \times ((1 + 11)^{1+1} - (1 + 1 + 1)) \\
&:= 222 + ((22/2)^{2/2+2} - 2) \\
&:= 33 \times (33/3 + 33 + 3) \\
&:= 4^4 + (((4 + 4)/4 + 4)^4 - 4/4) \\
&:= 5/5 + (5 \times (((5 \times (55 + 5)) + 5) + 5)) \\
&:= 66/6 \times ((666/6 - 6) + 6 \times 6) \\
&:= (((7 + 7) \times (777 - 7)) + 77)/7 \\
&:= 8 + ((8 \times 8 \times (8 + 8 + 8) - 8/8) + 8) \\
&:= ((99 + 9)/9) + (9 \times (9 \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1552 &:= (111 \times (1 + (1 + 1 + 11))) - 1 - 1 \\
&:= 2 \times (2 \times (2 \times ((2^{2+2} - 2)^2) - 2)) \\
&:= 3 + ((3 \times (3 + 3) + 3)^3 + 33)/(3 + 3) \\
&:= 4 \times ((4 + 4) \times (44 + 4) + 4) \\
&:= ((5^5 - 5/5)/(5 + 5)/5) - 5 - 5 \\
&:= 6 + 6 \times (6 \times (6 \times 6 + 6) + 6) - (6 + 6)/6 \\
&:= ((7 + 7)/7) \times (777 - 7/7) \\
&:= 8 + (8 \times 8 \times (8 + 8 + 8) + 8) \\
&:= (9 \times (9 \times (9 + 9) + 9)) + ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1553 &:= (111 \times (1 + (1 + 1 + 11))) - 1 \\
&:= 222 + (22/2)^{2/2+2} \\
&:= 3 + (33/3)^3 + (3 + 3)^3 + 3 \\
&:= 4/4 + (((4 + 4)/4 + 4)^4 + 4^4) \\
&:= ((5/5 + 5)^5 - (55/5))/5 \\
&:= 6 + 6 \times (6 \times (6 \times 6 + 6) + 6) - 6/6 \\
&:= (((7 + 7) \times 777) - 7)/7 \\
&:= 8 + ((8 \times 8 \times (8 + 8 + 8) + 8/8) + 8) \\
&:= 9 + (((99 \times 99) + 9)/(9 + 9)) + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1554 &:= 111 \times (1 + (1 + 1 + 11)) \\
&:= 222 \times ((2/2 + 2 + 2) + 2) \\
&:= 3 \times (((3 - 3/3)^{3 \times 3}) + 3) + 3 \\
&:= 444 + (4444 - 4)/4 \\
&:= ((5/5 + 5)^5 - (5/5 + 5))/5 \\
&:= 6 + 6 \times (6 \times (6 \times 6 + 6) + 6) \\
&:= (7 + 7) \times 777/7 \\
&:= 888/8 \times ((8 - (8 + 8)/8) + 8) \\
&:= 9 + (((9 + 9 + 9)/9) \times (((9 + 9)/9)^9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1555 &:= 1 + (111 \times (1 + (1 + 1 + 11))) \\
&:= 2 \times 222 + 2222/2 \\
&:= ((333 \times (33/3 + 3)) + 3)/3 \\
&:= 444 + 4444/4 \\
&:= 55 + (5 \times (5 \times (55 + 5))) \\
&:= 6 + 6 \times (6 \times (6 \times 6 + 6) + 6) + 6/6 \\
&:= (((7 + 7) \times 777) + 7)/7 \\
&:= 8 + (8 \times 8 \times (8 + 8 + 8) + (88/8)) \\
&:= 99 + (9 \times 9 \times (9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1556 &:= 1 + (1 + (111 \times (1 + (1 + 1 + 11)))) \\
&:= 2 \times ((2 \times (22 - 2))^2 - 22) \\
&:= 3 \times 3 + (((33/3)^3) + (3 + 3)^3) \\
&:= 4 + (((4 + 4)/4 + 4)^4 + 4^4) \\
&:= (((5/5 + 5)^5 - 5/5) + 5)/5 \\
&:= 6 + 6 \times (6 \times (6 \times 6 + 6) + 6) + (6 + 6)/6 \\
&:= ((7 + 7)/7) \times (777 + 7/7) \\
&:= 8 + (8 \times 8 \times (8 + 8 + 8) + ((88 + 8)/8)) \\
&:= 99 + (9 \times 9 \times (9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1557 &:= 1 + (1 + (1 + (111 \times (1 + (1 + 1 + 11)))))) \\
&:= 2 + 2222/2 + 2 \times 222 \\
&:= 3 \times ((3 \times (3 + 3) \times 3^3) + 33) \\
&:= 4 + (((4 + 4)/4 + 4)^4 + 4^4) + 4/4 \\
&:= (5^5 - (55/5))/(5 + 5)/5 \\
&:= 6 + 6 \times (6 \times (6 \times 6 + 6) + 6) + 6 \times 6/(6 + 6) \\
&:= (((7 + 7) \times 777) + 7) + 7/7 \\
&:= (88/8 - 8) \times ((8 \times 8 \times 8 - 8/8) + 8) \\
&:= 99 + 9 \times 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1558 &:= ((1+1+11) \times (11^{1+1} - 1)) - 1 - 1 \\
&:= 2 + 2 \times (2 \times (22 - 2)^2 - 22) \\
&:= 3 + (((333 \times (33/3 + 3)) + 3)/3) \\
&:= 4 + ((4444 - 4)/4 + 444) \\
&:= ((5^5 + 5/5)/(5+5)/5) - 5 \\
&:= 6 \times (6 \times (6 \times 6 + 6) + 6) + (66 - 6)/6 \\
&:= ((7+7)/7) \times (((7+7)/7) + 777) \\
&:= ((8+8)/8) \times (8 \times (88+8) + (88/8)) \\
&:= 9/9 + (9 \times 9 \times (9+9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1559 &:= ((1+1+11) \times (11^{1+1} - 1)) - 1 \\
&:= (2 \times (222 + 2)) + 2222/2 \\
&:= 3 + (((33/3)^3) + (3+3)^3) + 3 \times 3 \\
&:= 4 + (4444/4 + 444) \\
&:= (5 \times (5^5 - 5)/(5+5)) - 5/5 \\
&:= 6 \times (6 \times (6 \times 6 + 6) + 6) + 66/6 \\
&:= 7 + (((7+7)/7) \times (777 - 7/7)) \\
&:= 8 \times (8 \times 8 - 8) + 8888/8 \\
&:= 9 + ((9 \times (9 \times (9+9) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1560 &:= (1+1+11) \times (11^{1+1} - 1) \\
&:= 2 \times (2 \times (22 - 2)^2 - 22 + 2) \\
&:= (3^3 - 3/3) \times (3^3 + 33) \\
&:= (4^4 + 4) \times ((4+4)/4 + 4) \\
&:= 5 \times (5^5 - 5)/(5+5) \\
&:= 6 + 6 \times (6 \times (6 \times 6 + 6) + 6) + 6 \\
&:= 7 + (((7+7) \times 777) - 7)/7 \\
&:= (8+8+8) \times (8/8 + 8 \times 8) \\
&:= 9 \times 9 \times (9+9) + (999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1561 &:= 1 + ((1+1+11) \times (11^{1+1} - 1)) \\
&:= 2^{22/2} - ((22^2 + 2/2) + 2) \\
&:= 3/3 + ((3^3 - 3/3) \times (3^3 + 33)) \\
&:= 4/4 + ((4^4 + 4) \times ((4+4)/4 + 4)) \\
&:= 5/5 + (5 \times (5^5 - 5)/(5+5)) \\
&:= (6/6 + 6) \times (6 \times 6 \times 6 + 6/6 + 6) \\
&:= 7 + (777 + 777) \\
&:= 8/8 + ((8+8+8) \times (8/8 + 8 \times 8)) \\
&:= 9 \times 9 \times (9+9) + (((999+9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1562 &:= 11 \times ((1+11)^{1+1} - (1+1)) \\
&:= 2^{22/2} - (22^2 + 2) \\
&:= 3^3 + ((3 \times ((3-3/3)^{3 \times 3})) - 3/3) \\
&:= 4 \times 44 + (44 \times (4^4 - 4)/(4+4)) \\
&:= (5^5 - 5/5)/((5+5)/5) \\
&:= 66/6 \times ((6+6) \times (6+6) - ((6+6)/6)) \\
&:= 7 + (((7+7) \times 777) + 7)/7 \\
&:= 8 + (888/8 \times ((8 - (8+8)/8) + 8)) \\
&:= 99/9 \times (9 \times (9+9) - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1563 &:= 1 + (11 \times ((1+11)^{1+1} - (1+1))) \\
&:= 2^{22/2} - (22^2 + 2/2) \\
&:= 3 \times (((3-3/3)^{3 \times 3}) + 3 \times 3) \\
&:= 4 + ((4444/4 + 444) + 4) \\
&:= (5^5 + 5/5)/((5+5)/5) \\
&:= ((66 \times (66+66)) + 666)/6 \\
&:= 7 + (((7+7)/7) \times (777 + 7/7)) \\
&:= 8 + ((8 \times 8 \times (8+8+8) + (88/8)) + 8) \\
&:= ((9+9+9)/9) \times (((9+9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1564 &:= (1+1)^{11} - ((11+11)^{1+1}) \\
&:= 2^{22/2} - 22^2 \\
&:= 3^3 + ((3 \times ((3-3/3)^{3 \times 3})) + 3/3) \\
&:= 4 + ((4^4 + 4) \times ((4+4)/4 + 4)) \\
&:= (5 \times (5^5 + 5)/(5+5)) - 5/5 \\
&:= (6 - ((6+6)/6)) \times ((6 \times 66 - 6) + 6/6) \\
&:= (((7+7) \times 777) - 7) + 77/7 \\
&:= (8/8 + 8 + 8) \times ((8/((8+8)/8)) + 88) \\
&:= ((9-9/9) + 9) \times ((99/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1565 &:= 11 + (111 \times (1 + (1+1+11))) \\
&:= 2/2 + (2^{22/2} - 22^2) \\
&:= ((33/3)^3) + (3 \times (3 \times 3^3 - 3)) \\
&:= 4 + (((4^4 + 4) \times ((4+4)/4 + 4)) + 4/4) \\
&:= 5 \times (5^5 + 5)/(5+5) \\
&:= 6 + 6 \times (6 \times (6 \times 6 + 6) + 6) + 66/6 \\
&:= (((7+7) \times 777) + 77)/7 \\
&:= ((88/8 + 8) \times (88 - 8/8)) - 88 \\
&:= 9 + (9 \times 9 \times (9+9) - 9/9) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1566 &:= 1 + (11 + (111 \times (1 + (1+1+11)))) \\
&:= 2 + (2^{22/2} - 22^2) \\
&:= 3 \times ((3+3) \times (3 \times 3^3 + 3+3)) \\
&:= ((4+4)/4 + 4) \times ((4/4 + 4^4) + 4) \\
&:= 5/5 + (5 \times (5^5 + 5)/(5+5)) \\
&:= 6 + 6 \times (6 \times (6 \times 6 + 6) + 6) + 6 + 6 \\
&:= ((7+7)/7) \times ((777 - 7/7) + 7) \\
&:= (8/8 - 88) \times ((8 - 88)/8 - 8) \\
&:= 9 + (9 \times 9 \times (9+9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1567 &:= ((1+111) \times (1 + (1+1+11))) - 1 \\
&:= (2 \times ((22+2+2+2)^2)) - 2/2 \\
&:= 3/3 + (3 \times ((3+3) \times (3 \times 3^3 + 3+3))) \\
&:= ((4+4) \times ((4 \times (44+4)) + 4)) - 4/4 \\
&:= 5 + ((5^5 - 5/5)/((5+5)/5)) \\
&:= 6 + ((6/6 + 6) \times (6 \times 6 \times 6 + 6/6 + 6)) \\
&:= (((7+7) \times (777 + 7)) - 7)/7 \\
&:= 8 + (8888/8 + 8 \times (8 \times 8 - 8)) \\
&:= 9 + (9 \times 9 \times (9+9) + 99) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1568 &:= (1+111) \times (1 + (1+1+11)) \\
&:= 2 \times ((22+2+2+2)^2) \\
&:= (33/3 + 3) \times ((333+3)/3) \\
&:= (4+4) \times ((4 \times (44+4)) + 4) \\
&:= 5 + ((5^5 + 5/5)/((5+5)/5)) \\
&:= (6/6 + 6) \times ((6 \times 6 \times 6 + (6+6)/6) + 6) \\
&:= 7 \times (7 \times (7+7+7) + 77) \\
&:= 8 + ((8+8+8) \times (8/8 + 8 \times 8)) \\
&:= 99 + (9 \times 9 \times (9+9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1569 &:= 1 + ((1+111) \times (1 + (1+1+11))) \\
&:= 2/2 + (2 \times ((22+2+2+2)^2)) \\
&:= 33 + (3 \times ((3-3/3)^{3 \times 3})) \\
&:= 4/4 + ((4+4) \times ((4 \times (44+4)) + 4)) \\
&:= 5 + ((5 \times (5^5 + 5)/(5+5)) - 5/5) \\
&:= 6 + (((66 \times (66+66)) + 666)/6) \\
&:= (((7+7) \times (777 + 7)) + 7)/7 \\
&:= 8 + (((8+8+8) \times (8/8 + 8 \times 8)) + 8/8) \\
&:= 9 \times 9 \times (9+9) + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1570 &:= 1 + (1 + ((1+111) \times (1 + (1+1+11)))) \\
&:= 2 + (2 \times ((22+2+2+2)^2)) \\
&:= 3^3 + ((3 \times (3+3) + 3)^3 - 3)/(3+3) \\
&:= 4 + (((4+4)/4 + 4) \times ((4/4 + 4^4) + 4)) \\
&:= 5 + (5 \times (5^5 + 5)/(5+5)) \\
&:= ((6+6)/6) \times (66 \times (6+6) - (6/6 + 6)) \\
&:= ((7+7)/7) \times ((777 + 7/7) + 7) \\
&:= 8 + ((888/8 \times ((8 - (8+8)/8) + 8)) + 8) \\
&:= 9 \times 9 \times (9+9) + ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1571 &:= (11 \times (11 \times (1+1+11))) - 1 - 1 \\
&:= ((22/2 + 2) \times (22/2)^2) - 2 \\
&:= 3 \times 3 \times 3^3 + (33/3)^3 - 3 \\
&:= 4 + (((4+4) \times ((4 \times (44+4)) + 4)) - 4/4) \\
&:= 5 + ((5 \times (5^5 + 5)/(5+5)) + 5/5) \\
&:= (((6+6) \times (66 \times (6+6) - 6)) - 6)/6 \\
&:= 7 + (((7+7) \times 777) - 7) + 77/7 \\
&:= 88/8 + ((8+8+8) \times (8/8 + 8 \times 8)) \\
&:= 9 \times 9 \times (9+9) + ((999+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1572 &:= (1+11) \times ((11 \times (1+11)) - 1) \\
&:= 2 \times (((22+2+2+2)^2) + 2) \\
&:= 3 + ((3 \times ((3-3/3)^{3 \times 3})) + 33) \\
&:= 4 + ((4+4) \times ((4 \times (44+4)) + 4)) \\
&:= 5 + (((5^5 - 5/5)/((5+5)/5)) + 5) \\
&:= 66 + (6 \times 6 \times (6 \times 6 + 6) - 6) \\
&:= 7 + (((7+7) \times 777) + 77)/7 \\
&:= (((8 \times 8 - 8)^{(8+8)/8}) + 8)/(8+8)/8 \\
&:= 9 + (((9+9+9)/9) \times (((9+9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1573 &:= 11 \times (11 \times (1 + 1 + 11)) \\
&:= (22/2 + 2) \times (22/2)^2 \\
&:= ((33/3)^3) + ((3^{3+3} - 3)/3) \\
&:= (44 \times (4 \times (4 + 4) + 4)) - 44/4 \\
&:= 5 + (((5^5 + 5/5)/(5 + 5)/5) + 5) \\
&:= 66/6 \times ((6 + 6) \times (6 + 6) - 6/6) \\
&:= (7 - 7/7 + 7) \times (((7 + 7)/7)^7 - 7) \\
&:= 888 + (8 \times 88 - (88/8 + 8)) \\
&:= 9 + (((9 - 9/9) + 9) \times ((99/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1574 &:= 1 + (11 \times (11 \times (1 + 1 + 11))) \\
&:= 2 + (2 \times (((22 + 2 + 2 + 2)^2) + 2)) \\
&:= 3 \times 3 \times 3^3 + ((33/3)^3) \\
&:= 44 + (((4 + 4)/4 + 4) \times (4^4 - 4/4)) \\
&:= 555 + ((5 - 5/5)^5 - 5) \\
&:= ((6 + 6)/6) \times ((66 \times (6 + 6) - 6) + 6/6) \\
&:= 7 + (((7 + 7) \times (777 + 7)) - 7)/7) \\
&:= 8 + ((8/8 - 88) \times ((8 - 88)/8 - 8)) \\
&:= 9 + (((9 \times 9 \times (9 + 9) - 9/9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1575 &:= 1 + (1 + (11 \times (11 \times (1 + 1 + 11)))) \\
&:= 2 + ((22/2 + 2) \times (22/2)^2) \\
&:= 3 \times (((3 + 3) \times (3 \times 3^3 + 3 + 3)) + 3) \\
&:= ((4/4 + 4) + 4) \times (4 \times 44 - 4/4) \\
&:= 5 \times ((5 \times 5 + 5^5)/(5 + 5)) \\
&:= (6 \times 6 - 6/6) \times (666/6 - 66) \\
&:= 7 + (7 \times (7 \times (7 + 7 + 7) + 77)) \\
&:= (8/8 + 8) \times (888/8 + 8 \times 8) \\
&:= 9 + ((9 \times 9 \times (9 + 9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1576 &:= 1 + (1 + (1 + (11 \times (11 \times (1 + 1 + 11)))))) \\
&:= (2 \times (22 - 2))^2 - (22 + 2) \\
&:= 3 + (((3^{3+3} - 3)/3) + ((33/3)^3)) \\
&:= (44 \times (4 \times (4 + 4) + 4)) - 4 - 4 \\
&:= 5/5 + (5 \times ((5 \times 5 + 5^5)/(5 + 5))) \\
&:= ((6 + 6)/6)^6 + 6 \times 6 \times (6 \times 6 + 6) \\
&:= 7 + (((7 + 7) \times (777 + 7)) + 7)/7) \\
&:= 888 + (8 \times 88 - (8 + 8)) \\
&:= (9 - 9/9) \times ((99 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1577 &:= 1 + (1 + (1 + (1 + (11 \times (11 \times (1 + 1 + 11)))))) \\
&:= (2 \times (22 - 2))^2 - (22 + 2/2) \\
&:= 3 + (3 \times 3 \times 3^3 + ((33/3)^3)) \\
&:= 4 + ((44 \times (4 \times (4 + 4) + 4)) - 44/4) \\
&:= 5 + (((5^5 - 5/5)/(5 + 5)/5) + 5) + 5) \\
&:= 66 + (6 \times 6 \times (6 \times 6 + 6) - 6/6) \\
&:= 7 + (((7 + 7)/7) \times ((777 + 7/7) + 7)) \\
&:= 8/8 + ((888 - (8 + 8)) + 8 \times 88) \\
&:= (9/9 + 9 + 9) \times (((9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1578 &:= 11 + (((1 + 111) \times (1 + (1 + 1 + 11)))) - 1) \\
&:= (2 \times (22 - 2))^2 - 22 \\
&:= 33 + (3 \times (((3 - 3/3)^{3 \times 3} + 3)) \\
&:= ((4 + 4)/4 + 4) \times (((4^4 - 4/4) + 4) + 4) \\
&:= 555 + ((5 - 5/5)^5 - 5/5) \\
&:= 66 + 6 \times 6 \times (6 \times 6 + 6) \\
&:= (7 - 7/7) \times (((7 + 7)/7)^{7+7/7} + 7) \\
&:= 888 + (((8 + 8)/8) - (8 + 8)) + 8 \times 88) \\
&:= 9 + (9 \times 9 \times (9 + 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1579 &:= 11 + ((1 + 111) \times (1 + (1 + 1 + 11))) \\
&:= 2/2 + ((2 \times (22 - 2))^2 - 22) \\
&:= (((3 + 3) \times ((33 \times (3^3 - 3)) - 3)) + 3)/3) \\
&:= (44 \times (4 \times (4 + 4) + 4)) - (4/4 + 4) \\
&:= 555 + (5 - 5/5)^5 \\
&:= 66 + (6 \times 6 \times (6 \times 6 + 6) + 6/6) \\
&:= (((7 + 7) \times (777 + 7)) + 77)/7) \\
&:= 8 + (((8 + 8 + 8) \times (8/8 + 8 \times 8)) + (88/8)) \\
&:= 9 + (((999 + 9)/9) + 9 \times 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1580 &:= (11 - 1) \times ((1 + 1 + 11)^{1+1} - 11) \\
&:= 2 + ((2 \times (22 - 2))^2 - 22) \\
&:= 33 + (((33/3)^3) + (3 + 3)^3) \\
&:= (44 \times (4 \times (4 + 4) + 4)) - 4 \\
&:= 5 + (5 \times ((5 \times 5 + 5^5)/(5 + 5))) \\
&:= (6 - ((6 + 6)/6)) \times (6 \times 66 - 6/6) \\
&:= 7 + ((7 - 7/7 + 7) \times (((7 + 7)/7)^7 - 7)) \\
&:= 888 + (8 \times 88 - ((88 + 8)/8)) \\
&:= (99/9 + 9) \times (9 \times 9 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1581 &:= (11 \times (1 + 11)^{1+1}) - 1 - 1 - 1 \\
&:= (2/2 + 2) \times (((22 + 2/2)^2) - 2) \\
&:= (33 \times (3 \times 3^3 - 33)) - 3 \\
&:= 4/4 + ((44 \times (4 \times (4 + 4) + 4)) - 4) \\
&:= 5 + ((5 \times ((5 \times 5 + 5^5)/(5 + 5))) + 5/5) \\
&:= (66 \times ((6 + 6 + 6) + 6)) - 6 \times 6/(6 + 6) \\
&:= (((7 + 7) \times (777 + 7 + 7)) - 7)/7) \\
&:= 888 + (8 \times 88 - (88/8)) \\
&:= ((9 - 9/9) + 9) \times (((99 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1582 &:= (11 \times (1 + 11)^{1+1}) - 1 - 1 \\
&:= (2 \times (22 \times (2 + 2 + 2)^2)) - 2 \\
&:= 3/3 + ((33 \times (3 \times 3^3 - 33)) - 3) \\
&:= (44 \times (4 \times (4 + 4) + 4)) - (4 + 4)/4) \\
&:= 5 \times 5 + ((5^5 - (55/5))/(5 + 5)/5) \\
&:= ((6 + 6)/6) \times (66 \times (6 + 6) - 6/6) \\
&:= 7 \times (((7 + 7)/7)^7 + 7 \times (7 + 7)) \\
&:= 888 + ((8 - 88)/8 + 8 \times 88) \\
&:= ((9 + 9)/9) \times (9 \times 99 - (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1583 &:= (11 \times (1 + 11)^{1+1}) - 1 \\
&:= (2 \times (22 \times (2 + 2 + 2)^2)) - 2/2 \\
&:= ((33/3)^3) + (3 \times (3 \times 3^3 + 3)) \\
&:= (44 \times (4 \times (4 + 4) + 4)) - 4/4 \\
&:= 5 + (((5 - 5/5)^5 - 5/5) + 555) \\
&:= (66 \times ((6 + 6 + 6) + 6)) - 6/6 \\
&:= (((7 + 7) \times (777 + 7 + 7)) + 7)/7) \\
&:= 888 + (8 \times 88 - (8/8 + 8)) \\
&:= ((9 + 9) \times (99 - (99/9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1584 &:= 11 \times (1 + 11)^{1+1} \\
&:= 2 \times (22 \times (2 + 2 + 2)^2) \\
&:= 33 \times (3 \times 3^3 - 33) \\
&:= 44 \times (4 \times (4 + 4) + 4) \\
&:= 5 + ((5 - 5/5)^5 + 555) \\
&:= 66 \times ((6 + 6 + 6) + 6) \\
&:= (77/7 + 7) \times (77/7 + 77) \\
&:= 88 \times (((8 + 8)/8) + 8) + 8) \\
&:= (9 + 9) \times (99 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1585 &:= 1 + (11 \times (1 + 11)^{1+1}) \\
&:= 2/2 + (2 \times (22 \times (2 + 2 + 2)^2)) \\
&:= 3/3 + (33 \times (3 \times 3^3 - 33)) \\
&:= 4/4 + (44 \times (4 \times (4 + 4) + 4)) \\
&:= 5 \times ((5^5 - 5)/(5 + 5) + 5) \\
&:= 6/6 + (66 \times ((6 + 6 + 6) + 6)) \\
&:= 7 \times 7 + ((77 + 7)/7 \times ((7 + 7)/7)^7) \\
&:= 8/8 + ((888 - 8) + 8 \times 88) \\
&:= 9/9 + ((9 + 9) \times (99 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1586 &:= 1 + (1 + (11 \times (1 + 11)^{1+1})) \\
&:= 2 + (2 \times (22 \times (2 + 2 + 2)^2)) \\
&:= (3^3 - 3/3) \times (((3/3 + 3)^3) - 3) \\
&:= (4 + 4)/4 + (44 \times (4 \times (4 + 4) + 4)) \\
&:= 5/5 + (5 \times ((5^5 - 5)/(5 + 5) + 5)) \\
&:= (6 + 6)/6 + (66 \times ((6 + 6 + 6) + 6)) \\
&:= (7 \times 7 \times 77) - (((7 + 7 + 7)/7)^7) \\
&:= 888 + (((8 + 8)/8) - 8) + 8 \times 88) \\
&:= 9 + ((9/9 + 9 + 9) \times (((9 + 9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1587 &:= 1 + (1 + (1 + (11 \times (1 + 11)^{1+1}))) \\
&:= (2/2 + 2) \times ((22 + 2/2)^2) \\
&:= 3 + (33 \times (3 \times 3^3 - 33)) \\
&:= 4^4 + ((44/4)^{4-4/4}) \\
&:= 5 \times 5 + ((5^5 - 5/5)/(5 + 5)/5) \\
&:= 666/6 + (6 \times (6 \times (6 \times 6 + 6) - 6)) \\
&:= (7 \times (7 \times (7 \times 7 - (7 + 7)))) - ((7 + 7)/7)^7) \\
&:= 888 + ((88/8 - (8 + 8)) + 8 \times 88) \\
&:= 9 + ((9 \times 9 \times (9 + 9) + 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1588 &:= 1 + (1 + (1 + (1 + (11 \times (1 + 11)^{1+1}))) \\
&:= 2 \times ((22 \times (2 + 2 + 2)^2) + 2) \\
&:= 3 + ((33 \times (3 \times 3^3 - 33)) + 3/3) \\
&:= 4 + (44 \times (4 \times (4 + 4) + 4)) \\
&:= 5 \times 5 + ((5^5 + 5/5)/(5 + 5)/5) \\
&:= (6 - ((6 + 6)/6)) \times (6 \times 66 + 6/6) \\
&:= 7 + (((7 + 7) \times (777 + 7 + 7)) - 7)/7) \\
&:= 888 + (8 \times 88 - (8/(8 + 8)/8)) \\
&:= 9 + (((999 + 9)/9) + 9 \times 9 \times (9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1589 &:= (((1 + 1) \times ((1 + 1) \times (11 - 1)))^{1+1}) - 11 \\
&:= (2 \times (22 - 2))^2 - 22/2 \\
&:= 3 + ((3^3 - 3/3) \times (((3/3 + 3)^3) - 3)) \\
&:= 4 + ((44 \times (4 \times (4 + 4) + 4)) + 4/4) \\
&:= 5 + (((5 - 5/5)^5 + 555) + 5) \\
&:= 6 + ((66 \times ((6 + 6 + 6) + 6)) - 6/6) \\
&:= ((7 + 7 + 7) \times (77 - 7/7)) - 7 \\
&:= 8 \times (8 \times (8 + 8 + 8) + 8) - 88/8 \\
&:= 9 + ((99/9 + 9) \times (9 \times 9 - (9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1590 &:= (1 + 1 + 1) \times (1 + (1 + 11 + 11)^{1+1}) \\
&:= (2 \times (2 \times ((22 - 2)^2 - 2))) - 2 \\
&:= 3 + ((33 \times (3 \times 3^3 - 33)) + 3) \\
&:= 4 + ((44 \times (4 \times (4 + 4) + 4)) + (4 + 4)/4) \\
&:= 5 \times (5^5 + 5)/(5 + 5) + 5) \\
&:= 6 + (66 \times ((6 + 6 + 6) + 6)) \\
&:= 7 + (((7 + 7) \times (777 + 7 + 7)) + 7)/7) \\
&:= 888 + (8 \times 88 - ((8 + 8)/8)) \\
&:= (9/9 + 9) \times (9 \times (9 + 9) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1591 &:= 1 + ((1 + 1 + 1) \times (1 + (1 + 11 + 11)^{1+1})) \\
&:= 2 + ((2 \times (22 - 2))^2 - 22/2) \\
&:= (((3 + 3) \times ((33 \times (3^3 - 3) + 3)) + 3)/3) \\
&:= 4 + (((44/4)^{4-4/4}) + 4^4) \\
&:= 5/5 + (5 \times ((5^5 + 5)/(5 + 5) + 5)) \\
&:= 6 + ((66 \times ((6 + 6 + 6) + 6)) + 6/6) \\
&:= 7 + ((77/7 + 7) \times (77/7 + 77)) \\
&:= 888 + (8 \times 88 - 8/8) \\
&:= ((99/9 + 9) \times (9 \times 9 - 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1592 &:= (11 \times (1 + (1 + 11)^{1+1})) - 1 - 1 - 1 \\
&:= 2 \times (2 \times ((22 - 2)^2 - 2)) \\
&:= ((33/3)^3) + (3 \times (3 \times 3^3 + 3 + 3)) \\
&:= 4 + ((44 \times (4 \times (4 + 4) + 4)) + 4) \\
&:= 5 + (((5^5 - 5/5)/(5 + 5)/5) + 5 \times 5) \\
&:= 6 + ((66 \times ((6 + 6 + 6) + 6)) + ((6 + 6)/6)) \\
&:= 7 \times 7 + (((7 + 7) \times 777) - 77)/7) \\
&:= 888 + 8 \times 88 \\
&:= 9 \times 9 + (((9 + 9)/9)^9) + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1593 &:= (11 \times (1 + (1 + 11)^{1+1})) - 1 - 1 \\
&:= 2/2 + (2 \times (2 \times ((22 - 2)^2 - 2))) \\
&:= 3 \times (33 \times (3 + 3) + 333) \\
&:= ((4/4 + 4) + 4) \times (4 \times 44 + 4/4) \\
&:= 5 + (((5^5 + 5/5)/(5 + 5)/5) + 5 \times 5) \\
&:= (6 \times (6 + 6) \times (6 + 6)) + ((6 \times 6)/(6 + 6))^6) \\
&:= 7 + ((7 \times 7 \times 77) - (((7 + 7 + 7)/7)^7)) \\
&:= 8/8 + (888 + 8 \times 88) \\
&:= 9 + ((9 + 9) \times (99 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1594 &:= (11 \times (1 + (1 + 11)^{1+1})) - 1 \\
&:= 2 + (2 \times (2 \times ((22 - 2)^2 - 2))) \\
&:= 3/3 + (3 \times (33 \times (3 + 3) + 333)) \\
&:= (44 - 4)/4 + (44 \times (4 \times (4 + 4) + 4)) \\
&:= 5^5/5 + ((5 - 5/5)^5 - 55) \\
&:= 6 + ((6 - ((6 + 6)/6)) \times (6 \times 66 + 6/6)) \\
&:= 7 \times (77 - 7) + (7777/7 - 7) \\
&:= 888 + ((8 + 8)/8 + 8 \times 88) \\
&:= 9 + (((9 + 9) \times (99 - (99/9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1595 &:= 11 \times (1 + (1 + 11)^{1+1}) \\
&:= 22^2 + 2222/2 \\
&:= 33/3 + (33 \times (3 \times 3^3 - 33)) \\
&:= 44/4 + (44 \times (4 \times (4 + 4) + 4)) \\
&:= 55 \times (5 \times 5 - 5/5 + 5) \\
&:= 66/6 + (66 \times ((6 + 6 + 6) + 6)) \\
&:= ((7 + 7 + 7) \times (77 - 7/7)) - 7/7) \\
&:= 888 + ((8 \times 88 - 8) + (88/8)) \\
&:= 99/9 + ((9 + 9) \times (99 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1596 &:= 1 + (11 \times (1 + (1 + 11)^{1+1})) \\
&:= 2 \times ((2 \times (22 - 2))^2 - 2) \\
&:= 3 + (3 \times (33 \times (3 + 3) + 333)) \\
&:= (4 \times (444 - 44)) - 4 \\
&:= 5/5 + (55 \times (5 \times 5 - 5/5 + 5)) \\
&:= 6 + ((66 \times ((6 + 6 + 6) + 6)) + 6) \\
&:= (7 + 7 + 7) \times (77 - 7/7) \\
&:= 888 + ((8/(8 + 8)/8) + 8 \times 88) \\
&:= (9/9 + 9 + 9) \times (((9 + 9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1597 &:= 1 + (1 + (11 \times (1 + (1 + 11)^{1+1}))) \\
&:= (2 \times (22 - 2))^2 - 2/2 - 2 \\
&:= (3 \times (3 + 3) \times 3^3) + 3333/3 \\
&:= 4/4 + ((4 \times (444 - 44)) - 4) \\
&:= (5 + 5)/5 + (55 \times (5 \times 5 - 5/5 + 5)) \\
&:= (((6 + 6) \times (66 \times (6 + 6) + 6)) + 6)/6) \\
&:= 7/7 + ((7 + 7 + 7) \times (77 - 7/7)) \\
&:= 8 + (8 \times (8 \times (8 + 8 + 8) + 8) - (88/8)) \\
&:= ((9 + 9) \times (9 + 9 + 9)) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1598 &:= 1 + (1 + (1 + (11 \times (1 + (1 + 11)^{1+1}))) \\
&:= (2 \times (22 - 2))^2 - 2 \\
&:= 33 \times 33 + (((3 - 3/3)^{3 \times 3}) - 3) \\
&:= (4 \times (444 - 44)) - (4 + 4)/4 \\
&:= (5 \times ((5 + 5) \times ((5 + 5)/5)^5)) - (5 + 5)/5 \\
&:= ((6 + 6)/6) \times ((66 \times (6 + 6) + 6/6) + 6) \\
&:= ((7 + 7)/7) + ((7 + 7 + 7) \times (77 - 7/7)) \\
&:= 8 \times (8 \times (8 + 8 + 8) + 8) - (8 + 8)/8 \\
&:= ((9 + 9)/9) \times (9 \times (9 \times 9 + 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1599 &:= (1 + 1 + 11) \times (1 + (1 + 11)^{1+1}) \\
&:= (2 \times (22 - 2))^2 - 2/2 \\
&:= ((3 + 3) \times ((3 \times (3 \times (3^3 + 3))) - 3)) - 3 \\
&:= (4 \times (444 - 44)) - 4/4 \\
&:= (5 \times ((5 + 5) \times ((5 + 5)/5)^5)) - 5/5 \\
&:= (6/6 + 6 + 6) \times ((666/6 + 6) + 6) \\
&:= (77 \times (7 + 7 + 7)) - (77/7 + 7) \\
&:= 8 \times (8 \times (8 + 8 + 8) + 8) - 8/8 \\
&:= (9 \times (99 + 9 \times 9)) - (((99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1600 &:= ((1 + 1) \times ((1 + 1) \times (11 - 1)))^{1+1} \\
&:= (2 \times (22 - 2))^2 \\
&:= ((3/3 + 3)^3) \times ((3/3 - 3) + 3^3) \\
&:= 4 \times (444 - 44) \\
&:= 5 \times ((5 + 5) \times ((5 + 5)/5)^5) \\
&:= ((6 + 6)/6)^6 \times (6 \times 6 - 66/6) \\
&:= (7 \times 7 - ((7 + 7)/7 + 7))^{(7+7)/7} \\
&:= 8 \times (8 \times (8 + 8 + 8) + 8) \\
&:= (99/9 + 9) \times (9 \times 9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1601 &:= 1 + (((1 + 1) \times ((1 + 1) \times (11 - 1)))^{1+1}) \\
&:= 2/2 + (2 \times (22 - 2))^2 \\
&:= 33 \times 33 + ((3 - 3/3)^{3 \times 3}) \\
&:= 4/4 + (4 \times (444 - 44)) \\
&:= 5/5 + (5 \times ((5 + 5) \times ((5 + 5)/5)^5)) \\
&:= 6 + ((66 \times ((6 + 6 + 6) + 6)) + (66/6)) \\
&:= 7 \times (77 - 7) + 7777/7) \\
&:= 8/8 + 8 \times (8 \times (8 + 8 + 8) + 8) \\
&:= (((9 + 9)/9)^9) + (99 \times (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1602 &:= 1 + (1 + (((1 + 1) \times ((1 + 1) \times (11 - 1)))^{1+1})) \\
&:= 2 + (2 \times (22 - 2))^2 \\
&:= (3 + 3) \times ((3 \times (3 \times (3^3 + 3))) - 3) \\
&:= (4 + 4)/4 + (4 \times (444 - 44)) \\
&:= (5 + 5)/5 + (5 \times ((5 + 5) \times ((5 + 5)/5)^5)) \\
&:= 6 + (((66 \times ((6 + 6 + 6) + 6)) + 6) + 6) \\
&:= 7 \times 7 + (((7 + 7) \times 777) - 77)/7) \\
&:= (8 + 8)/8 + 8 \times (8 \times (8 + 8 + 8) + 8) \\
&:= (9 + 9) \times ((9 \times 9 - 9/9) + 9)
\end{aligned}$$

- ▶ **1603** := $1 + (1 + (1 + ((1 + 1) \times ((1 + 1) \times (11 - 1))))^{1+1}))$
:= $2 + ((2 \times (22 - 2))^2 + 2/2)$
:= $(3 \times 3 + 3)^3 - ((3 - 3/3 + 3)^3)$
:= $4 + ((4 \times (444 - 44)) - 4/4)$
:= $5 + ((5 \times ((5 + 5) \times ((5 + 5)/5)^5)) - ((5 + 5)/5))$
:= $6 + (((6 + 6) \times (66 \times (6 + 6) + 6)) + 6)/6$
:= $(77 \times (7 + 7 + 7)) - (7 + 7)$
:= $888 + (88/8 + 8 \times 88)$
:= $9/9 + ((9 + 9) \times ((9 \times 9 - 9/9) + 9))$
- ▶ **1604** := $(1 + 1)^{11} - ((1 + 1) \times (1 + 1) \times 111)$
:= $2 + ((2 \times (22 - 2))^2 + 2)$
:= $3 + ((3 \times (3 \times (3^3 + 3))) + ((33/3)^3))$
:= $4 + (4 \times (444 - 44))$
:= $5 \times 5 + ((5 - 5/5)^5 + 555)$
:= $(6 - ((6 + 6)/6)) \times ((6 \times 66 - 6/6) + 6)$
:= $7/7 + ((77 \times (7 + 7 + 7)) - (7 + 7))$
:= $888 + (((88 + 8)/8) + 8 \times 88)$
:= $(9 + 9)/9 + ((9 + 9) \times ((9 \times 9 - 9/9) + 9))$
- ▶ **1605** := $(11 \times (1 + (1 + (1 + 11)^{1+1}))) - 1$
:= $2 + (((2 \times (22 - 2))^2 + 2/2) + 2)$
:= $3333 - (3 \times 3 + 3)^3$
:= $4 + ((4 \times (444 - 44)) + 4/4)$
:= $5 + (5 \times ((5 + 5) \times ((5 + 5)/5)^5))$
:= $6 + ((6/6 + 6 + 6) \times ((666/6 + 6) + 6))$
:= $(77 \times (7 + 7 + 7)) - (77 + 7)/7$
:= $(8 - 8/8 + 8) \times ((88/8 + 88) + 8)$
:= $9 + ((9/9 + 9 + 9) \times (((9 + 9 + 9)/9) + 9 \times 9))$
- ▶ **1606** := $11 \times (1 + (1 + (1 + 11)^{1+1}))$
:= $2 + (((2 \times (22 - 2))^2 + 2) + 2)$
:= $3 + ((3 \times 3 + 3)^3 - ((3 - 3/3 + 3)^3))$
:= $4 + ((4 \times (444 - 44)) + (4 + 4)/4)$
:= $5 + ((5 \times ((5 + 5) \times ((5 + 5)/5)^5)) + 5/5)$
:= $6 + (((6 + 6)/6)^6 \times (6 \times 6 - 66/6))$
:= $(77 \times (7 + 7 + 7)) - 77/7$
:= $8 + (8 \times (8 \times (8 + 8 + 8) + 8) - ((8 + 8)/8))$
:= $((9/9 - 9) + 9 \times 9) \times ((99 + 99)/9)$
- ▶ **1607** := $1 + (11 \times (1 + (1 + (1 + 11)^{1+1})))$
:= $2^{22/2} - ((22 - 2/2)^2)$
:= $33 + (3 \times 3 \times 3^3 + ((33/3)^3))$
:= $4 + (((4 \times (444 - 44)) - 4/4) + 4)$
:= $5 + ((5 \times ((5 + 5) \times ((5 + 5)/5)^5)) + ((5 + 5)/5))$
:= $((6 - ((6 + 6)/6)) \times (6 \times 66 + 6)) - 6/6$
:= $((7 - 77)/7) + (77 \times (7 + 7 + 7))$
:= $8 + (8 \times (8 \times (8 + 8 + 8) + 8) - 8/8)$
:= $(9 \times (99 + 9 \times 9)) - ((99 + 9 + 9)/9)$
- ▶ **1608** := $(1 + 11) \times (1 + (1 + (11 \times (1 + 11))))$
:= $2 \times (2 \times ((22 - 2)^2 + 2))$
:= $(3^3 - 3) \times (((3/3 + 3)^3) + 3)$
:= $4 + ((4 \times (444 - 44)) + 4)$
:= $55 + (((5/5 + 5)^5 - (55/5))/5)$
:= $(6 - ((6 + 6)/6)) \times (6 \times 66 + 6)$
:= $(77 \times (7 + 7 + 7)) - ((7 + 7)/7 + 7)$
:= $8 + 8 \times (8 \times (8 + 8 + 8) + 8)$
:= $(9 \times (99 + 9 \times 9)) - (99 + 9)/9$
- ▶ **1609** := $1 + ((1 + 11) \times (1 + (1 + (11 \times (1 + 11))))))$
:= $2/2 + (2 \times (2 \times ((22 - 2)^2 + 2)))$
:= $(3^3 \times (3^3 + 33)) - 33/3$
:= $4 + (((4 \times (444 - 44)) + 4/4) + 4)$
:= $5 + (((5 - 5/5)^5 + 555) + 5 \times 5)$
:= $6/6 + ((6 - ((6 + 6)/6)) \times (6 \times 66 + 6))$
:= $(77 \times (7 + 7 + 7)) - (7/7 + 7)$
:= $8 + (8 \times (8 \times (8 + 8 + 8) + 8) + 8/8)$
:= $(9 \times (99 + 9 \times 9)) - 99/9$
- ▶ **1610** := $1 + (1 + ((1 + 11) \times (1 + (1 + (11 \times (1 + 11))))))$
:= $2 + (2 \times (2 \times ((22 - 2)^2 + 2)))$
:= $((3 \times (3 + 3))^3 - 3)/3 - 333$
:= $(4/4 + 4) \times (((4^4 + 4 + 4)/4) + 4^4)$
:= $5 \times (((5^5 - 5)/(5 + 5) + 5) + 5)$
:= $(6 \times 6 - 6/6) \times (((66 - 6)/6) + 6 \times 6)$
:= $(77 \times (7 + 7 + 7)) - 7$
:= $8 + (8 \times (8 \times (8 + 8 + 8) + 8) + ((8 + 8)/8))$
:= $(9/9 + 9) \times (9 \times (9 + 9) - 9/9)$
- ▶ **1611** := $11 + (((1 + 1) \times ((1 + 1) \times (11 - 1))))^{1+1}$
:= $22/2 + (2 \times (22 - 2))^2$
:= $3 \times ((3 \times (3 \times (3^3 + 33))) - 3)$
:= $44/4 + (4 \times (444 - 44))$
:= $555/5 + (5 \times (5 \times (55 + 5)))$
:= $(6 \times (6 \times 66 - 6)) - ((6 \times 6)/(6 + 6))^6$
:= $7/7 + ((77 \times (7 + 7 + 7)) - 7)$
:= $88/8 + 8 \times (8 \times (8 + 8 + 8) + 8)$
:= $(9 \times (99 + 9 \times 9)) - 9$
- ▶ **1612** := $(1 + 1 + 11) \times (1 + (1 + (1 + 11)^{1+1}))$
:= $2 \times (2 \times ((22 - 2)^2 + 2) + 2)$
:= $((3 \times (3 + 3))^3 + 3)/3 - 333$
:= $(4 \times ((444 - 44) + 4)) - 4$
:= $55 + ((5^5 - (55/5))/(5 + 5)/5)$
:= $((6 + 6)/6)^6 + 6 \times (6 \times (6 \times 6 + 6) + 6)$
:= $((7 + 7)/7) + ((77 \times (7 + 7 + 7)) - 7)$
:= $8 \times 8 \times 8 + ((8888 - 88)/8)$
:= $9/9 + ((9 \times (99 + 9 \times 9)) - 9)$
- ▶ **1613** := $1 + ((1 + 1 + 11) \times (1 + (1 + (1 + 11)^{1+1})))$
:= $2 + ((2 \times (22 - 2))^2 + 22/2)$
:= $3 + (((3 \times (3 + 3))^3 - 3)/3 - 333)$
:= $4/4 + ((4 \times ((444 - 44) + 4)) - 4)$
:= $55 + (((5^5 + 5/5)/(5 + 5)/5) - 5)$
:= $66 + 6 \times (6 \times (6 \times 6 + 6) + 6) - 6/6$
:= $7 + ((77 \times (7 + 7 + 7)) - (77/7))$
:= $88 + (8 \times 8 \times (8 + 8 + 8) - (88/8))$
:= $(9 + 9)/9 + ((9 \times (99 + 9 \times 9)) - 9)$
- ▶ **1614** := $((1 + 11)^{1+1+1}) - (1 + 1 + 1 + 111)$
:= $2 + (2 \times (2 \times ((22 - 2)^2 + 2) + 2))$
:= $(3^3 \times (3^3 + 33)) - (3 + 3)$
:= $(4 \times ((444 - 44) + 4)) - (4 + 4)/4$
:= $(5/5 + 5) \times (5 \times 55 - (5/5 + 5))$
:= $66 + 6 \times (6 \times (6 \times 6 + 6) + 6)$
:= $((7 + 7 + 7)/7) \times (7 \times 77 - 7/7)$
:= $8 \times 8 \times 8 + ((8888 - 8)/8 - 8)$
:= $((9 + 9)/9)^9 + (9999/9 - 9)$
- ▶ **1615** := $((1 + 11)^{1+1+1}) - (1 + 1 + 111)$
:= $2 + (((2 \times (22 - 2))^2 + 22/2) + 2)$
:= $3 + (((3 \times (3 + 3))^3 + 3)/3 - 333)$
:= $(4 \times ((444 - 44) + 4)) - 4/4$
:= $5 \times (((5^5 + 5)/(5 + 5) + 5) + 5)$
:= $66 + 6 \times (6 \times (6 \times 6 + 6) + 6) + 6/6$
:= $(77 \times (7 + 7 + 7)) - (7 + 7)/7$
:= $8 \times 8 \times 8 + (8888/8 - 8)$
:= $((9 - 99)/(9 + 9)) + (9 \times (99 + 9 \times 9))$
- ▶ **1616** := $((1 + 11)^{1+1+1}) - (1 + 111)$
:= $2 \times (2 \times ((22 - 2)^2 + 2) + 2)$
:= $(3 \times 3 + 3)^3 - ((333 + 3)/3)$
:= $4 \times ((444 - 44) + 4)$
:= $5 + ((5 \times (5 \times (55 + 5))) + 555/5)$
:= $((6 + 6)/6)^{66/6} - (6 \times (66 + 6))$
:= $(77 \times (7 + 7 + 7)) - 7/7$
:= $8 + (8 \times (8 \times (8 + 8 + 8) + 8) + 8)$
:= $((9 + 9)/9) \times (9 \times (9 \times 9 + 9) - ((9 + 9)/9))$
- ▶ **1617** := $((1 + 11)^{1+1+1}) - 111$
:= $22 + ((2222/2) + 22^2)$
:= $(3^3 \times (3^3 + 33)) - 3$
:= $4/4 + (4 \times ((444 - 44) + 4))$
:= $55 + ((5^5 - 5/5)/(5 + 5)/5)$
:= $66/6 \times (666/6 + 6 \times 6)$
:= $77 \times (7 + 7 + 7)$
:= $8 + ((8 \times (8 \times (8 + 8 + 8) + 8) + 8/8) + 8)$
:= $(9 \times (99 + 9 \times 9)) - (9 + 9 + 9)/9$

$$\begin{aligned}
\blacktriangleright 1618 &:= 1 + (((1+11)^{1+1+1}) - 111) \\
&:= 2 + ((2 \times (22 - 2))^2 + 2^{2+2}) \\
&:= 3/3 + ((3^3 \times (3^3 + 33)) - 3) \\
&:= (4 + 4)/4 + (4 \times ((444 - 44) + 4)) \\
&:= 55 + ((5^5 + 5/5)/(5 + 5)/5) \\
&:= 6 \times (666 - 6 \times 66) - (6 + 6)/6 \\
&:= 7/7 + (77 \times (7 + 7 + 7)) \\
&:= 8 + ((8 \times (8 \times (8 + 8 + 8) + 8) + ((8 + 8)/8)) + 8) \\
&:= (9 \times (99 + 9 \times 9)) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1619 &:= 1 + (1 + (((1+11)^{1+1+1}) - 111)) \\
&:= 22 + ((2 \times (22 - 2))^2 - (2/2 + 2)) \\
&:= (3^3 \times (3^3 + 33)) - 3/3 \\
&:= ((4 \times 4 + 4) \times (4 - 4/4)^4) - 4/4 \\
&:= (5 \times (5 \times (55 + 5 + 5))) - (5/5 + 5) \\
&:= 6 \times (666 - 6 \times 66) - 6/6 \\
&:= ((7 + 7)/7) + (77 \times (7 + 7 + 7)) \\
&:= 8 + (8 \times (8 \times (8 + 8 + 8) + 8) + (88/8)) \\
&:= (9 \times (99 + 9 \times 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1620 &:= (1 + 1) \times ((11 - 1) \times (11 - 1 - 1)^{1+1}) \\
&:= 22 + ((2 \times (22 - 2))^2 - 2) \\
&:= 3^3 \times (3^3 + 33) \\
&:= (4 \times 4 + 4) \times (4 - 4/4)^4 \\
&:= (5/5 + 5) \times (5 \times 55 - 5) \\
&:= 6 \times (666 - 6 \times 66) \\
&:= ((7 + 7 + 7)/7) + (77 \times (7 + 7 + 7)) \\
&:= ((88 + 8)/8) \times ((8 \times (8 + 8) - 8/8) + 8) \\
&:= 9 \times (99 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1621 &:= 1 + ((1 + 1) \times ((11 - 1) \times (11 - 1 - 1)^{1+1})) \\
&:= 22 + ((2 \times (22 - 2))^2 - 2/2) \\
&:= 3/3 + (3^3 \times (3^3 + 33)) \\
&:= 4/4 + ((4 \times 4 + 4) \times (4 - 4/4)^4) \\
&:= 5/5 + ((5/5 + 5) \times (5 \times 55 - 5)) \\
&:= 6/6 + 6 \times (666 - 6 \times 66) \\
&:= 77/7 + ((77 \times (7 + 7 + 7)) - 7) \\
&:= 8 \times 8 \times 8 + ((8888 - (8 + 8))/8) \\
&:= 9/9 + (9 \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1622 &:= 1111 + ((1 + 1)^{11-1-1} - 1) \\
&:= 22 + (2 \times (22 - 2))^2 \\
&:= 3 + ((3^3 \times (3^3 + 33)) - 3/3) \\
&:= 4^4 + ((4444 - 4)/4 + 4^4) \\
&:= 5 + (((5^5 - 5/5)/(5 + 5)/5) + 55) \\
&:= (6 + 6)/6 + 6 \times (666 - 6 \times 66) \\
&:= 7 + ((77 \times (7 + 7 + 7)) - ((7 + 7)/7)) \\
&:= 8 \times 8 \times 8 + (8888 - 8)/8 \\
&:= (9 + 9)/9 + (9 \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1623 &:= 1111 + (1 + 1)^{11-1-1} \\
&:= 22 + ((2 \times (22 - 2))^2 + 2/2) \\
&:= 3 + (3^3 \times (3^3 + 33)) \\
&:= 4^4 + (4444/4 + 4^4) \\
&:= (5 \times (5 \times (55 + 5 + 5))) - (5 + 5)/5 \\
&:= 666/6 + 6 \times 6 \times (6 \times 6 + 6) \\
&:= 7 + ((77 \times (7 + 7 + 7)) - 7/7) \\
&:= 8 \times 8 \times 8 + 8888/8 \\
&:= (((9 + 9)/9)^9) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1624 &:= 1 + (1111 + (1 + 1)^{11-1-1}) \\
&:= 2 + ((2 \times (22 - 2))^2 + 22) \\
&:= 3 + ((3^3 \times (3^3 + 33)) + 3/3) \\
&:= 4 + ((4 \times 4 + 4) \times (4 - 4/4)^4) \\
&:= (5 \times (5 \times (55 + 5 + 5))) - 5/5 \\
&:= 6 \times 6 \times (6 \times 6 + 6) + (666 + 6)/6 \\
&:= 7 + (77 \times (7 + 7 + 7)) \\
&:= 88 + 8 \times 8 \times (8 + 8 + 8) \\
&:= ((9 + 9)/9) \times (9 \times (9 \times 9 + 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1625 &:= 1 + (1 + (1111 + (1 + 1)^{11-1-1})) \\
&:= 2 + (((2 \times (22 - 2))^2 + 22) + 2/2) \\
&:= ((33/3)^3) + (3 \times 3 \times 33 - 3) \\
&:= 4 + (((4 \times 4 + 4) \times (4 - 4/4)^4) + 4/4) \\
&:= 5 \times (5 \times (55 + 5 + 5)) \\
&:= (6/6 - 66) \times ((66/6) - 6 \times 6) \\
&:= 7 + ((77 \times (7 + 7 + 7)) + 7/7) \\
&:= 8/8 + (8 \times 8 \times (8 + 8 + 8) + 88) \\
&:= (9 \times (99 + 9 \times 9)) + ((9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1626 &:= 1 + (1 + (1 + (1111 + (1 + 1)^{11-1-1}))) \\
&:= 2 + (((2 \times (22 - 2))^2 + 22) + 2) \\
&:= 3 + ((3^3 \times (3^3 + 33)) + 3) \\
&:= ((4 + 4)/4 + 4) \times ((44/4 + 4^4) + 4) \\
&:= 5/5 + (5 \times (5 \times (55 + 5 + 5))) \\
&:= 6 + 6 \times (666 - 6 \times 66) \\
&:= 7 + ((77 \times (7 + 7 + 7)) + ((7 + 7)/7)) \\
&:= 88 + (8 \times 8 \times (8 + 8 + 8) + ((8 + 8)/8)) \\
&:= 9 + ((9 \times (99 + 9 \times 9)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1627 &:= 11 + (((1+11)^{1+1+1}) - (1 + 111)) \\
&:= (((2 \times 22) - 2/2)^2) - 222 \\
&:= 3 + (((3^3 \times (3^3 + 33)) + 3/3) + 3) \\
&:= 4 + (((4444 - 4)/4 + 4^4) + 4^4) \\
&:= (5 + 5)/5 + (5 \times (5 \times (55 + 5 + 5))) \\
&:= 6 + (6 \times (666 - 6 \times 66) + 6/6) \\
&:= ((77 - 7)/7) + (77 \times (7 + 7 + 7)) \\
&:= ((88/8 + 8) \times (8/8 + 88)) - 8 \times 8 \\
&:= 9 + ((9 \times (99 + 9 \times 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1628 &:= 11 + (((1+11)^{1+1+1}) - 111) \\
&:= 22 \times (2 \times (2 + 2 + 2)^2 + 2) \\
&:= ((33/3)^3) + 3 \times 3 \times 33 \\
&:= 44 + (44 \times (4 \times (4 + 4) + 4)) \\
&:= 5 + ((5 \times (5 \times (55 + 5 + 5))) - ((5 + 5)/5)) \\
&:= 66/6 \times ((666 + 6)/6 + 6 \times 6) \\
&:= 77/7 + (77 \times (7 + 7 + 7)) \\
&:= 88/8 \times (888/(8 - (8 + 8)/8)) \\
&:= 9 + ((9 \times (99 + 9 \times 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1629 &:= 1 + (11 + (((1+11)^{1+1+1}) - 111)) \\
&:= 2 + (((2 \times 22) - 2/2)^2) - 222 \\
&:= (3 \times 3 + 3)^3 - 3 \times 33 \\
&:= 4 \times (4^4 - 4) + ((4/4 + 4)^4 - 4) \\
&:= 5 + ((5 \times (5 \times (55 + 5 + 5))) - 5/5) \\
&:= 6 + (6 \times 6 \times (6 \times 6 + 6) + 666/6) \\
&:= (77 + 7)/7 + (77 \times (7 + 7 + 7)) \\
&:= (8/8 + 8) \times (8 \times (8 + 8 + 8) - (88/8)) \\
&:= 9 + (9 \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1630 &:= (11 - 1) \times (1 + ((1 + 1) \times (11 - 1 - 1)^{1+1})) \\
&:= 2 + (22 \times (2 \times (2 + 2 + 2)^2 + 2)) \\
&:= 3/3 + ((3 \times 3 + 3)^3 - 3 \times 33) \\
&:= 4 + (((4 + 4)/4 + 4) \times ((44/4 + 4^4) + 4)) \\
&:= 5 + (5 \times (5 \times (55 + 5 + 5))) \\
&:= 6 + (6 \times 6 \times (6 \times 6 + 6) + (666 + 6)/6) \\
&:= 7 + (((77 \times (7 + 7 + 7)) - 7/7) + 7) \\
&:= 8 + ((8888 - 8)/8 + 8 \times 8 \times 8) \\
&:= 9 + ((9 \times (99 + 9 \times 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1631 &:= 1 + (11 - 1) \times (1 + (1 + 1) \times (11 - 1 - 1)^{1+1}) \\
&:= (((2 \times 22) + 2)^2) - (22^2 + 2/2) \\
&:= 3 + (((33/3)^3) + 3 \times 3 \times 33) \\
&:= 44 + (((44/4)^{4-4/4}) + 4^4) \\
&:= 5 + ((5 \times (5 \times (55 + 5 + 5))) + 5/5) \\
&:= 6 + ((6/6 - 66) \times ((66/6) - 6 \times 6)) \\
&:= 7 + ((77 \times (7 + 7 + 7)) + 7) \\
&:= 8 + (8888/8 + 8 \times 8 \times 8) \\
&:= 99/9 + (9 \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1632 &:= (1 + 1) \times ((1 + 1)^{11} - (11 \times (1 + 11))) \\
&:= (((2 \times 22) + 2)^2) - 22^2 \\
&:= 3 + ((3 \times 3 + 3)^3 - 3 \times 33) \\
&:= 4 \times (((444 - 44) + 4) + 4) \\
&:= ((5 + 5)/5)^5 \times ((5/5 - 5) + 55) \\
&:= 6 + (6 \times (666 - 6 \times 66) + 6) \\
&:= 7 + (((77 \times (7 + 7 + 7)) + 7/7) + 7) \\
&:= (88 + 8) \times (8/8 + 8 + 8) \\
&:= ((99 + 9)/9) + (9 \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1633 &:= (1+1+1+11)^{1+1+1} - 1111 \\
&:= 22 + ((2 \times (22-2))^2 + 22/2) \\
&:= ((3 \times (3 \times 33 \times 33)) - 3)/(3+3) \\
&:= 4 \times (4^4 - 4) + (4/4 + 4)^4 \\
&:= (5-5/5)^5 + (((5^5 - 55)/5) - 5) \\
&:= ((66/6 + 6) + 6) \times ((66 - 6/6) + 6) \\
&:= 7 + (((77 \times (7+7+7)) + ((7+7)/7)) + 7) \\
&:= 8/8 + ((88+8) \times (8/8 + 8+8)) \\
&:= (9 \times (99+9 \times 9)) + ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1634 &:= 11 + (1111 + (1+1)^{11-1-1}) \\
&:= 2 + (((2 \times 22) + 2)^2) - 22^2 \\
&:= ((3 \times (3 \times 33 \times 33)) + 3)/(3+3) \\
&:= 4/4 + (4 \times (4^4 - 4) + (4/4 + 4)^4) \\
&:= 55 + ((5-5/5)^5 + 555) \\
&:= (((6+6)/6) + 6 \times 6) \times ((6 \times 6 + 6/6) + 6) \\
&:= 7 + ((77 \times (7+7+7)) + ((77-7)/7)) \\
&:= (88/8 + 8) \times (88 - ((8+8)/8)) \\
&:= 9 + ((9 \times (99+9 \times 9)) + ((9 \times 9 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1635 &:= (111 - 1 - 1) \times (1+1+1+1+11) \\
&:= 22^2 + ((2 \times (22+2))^2) - 2/2 \\
&:= 3 \times (((3-3/3)^{3 \times 3}) + 33) \\
&:= (44/4 + 4) \times ((4^4 + 4)/4 + 44) \\
&:= 5 + ((5 \times (5 \times (55+5+5))) + 5) \\
&:= (6-6/6) \times (666/6 + 6 \times 6 \times 6) \\
&:= 7 + ((77 \times (7+7+7)) + (77/7)) \\
&:= 88 + (8 \times 8 \times (8+8+8) + (88/8)) \\
&:= 99 + (((9+9+9)/9) \times (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1636 &:= 1 + ((111 - 1 - 1) \times (1+1+1+1+11)) \\
&:= 22^2 + (2 \times ((22+2)^2)) \\
&:= 3 + (((3 \times (3 \times 33 \times 33)) - 3)/(3+3)) \\
&:= 44 \times 44 - (44 + 4^4) \\
&:= 55/5 + (5 \times (5 \times (55+5+5))) \\
&:= 6 \times 6 + (((6+6)/6)^6 \times (6 \times 6 - 66/6)) \\
&:= 7 + ((77 \times (7+7+7)) + (77+7)/7) \\
&:= 8 + (88/8 \times (888/(8 - (8+8)/8))) \\
&:= 9 + (((9 \times (99+9 \times 9)) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1637 &:= 1 + (1 + ((111 - 1 - 1) \times (1+1+1+1+11))) \\
&:= 2/2 + ((2 \times (22+2)^2) + 22^2) \\
&:= 333 + (((33/3)^3) - 3^3) \\
&:= 4 + (4 \times (4^4 - 4) + (4/4 + 4)^4) \\
&:= 5 + (((5+5)/5)^5 \times ((5/5 - 5) + 55)) \\
&:= 6 + (((6/6 - 66) \times ((66/6) - 6 \times 6)) + 6) \\
&:= ((7+7+7) \times (7/7 + 77)) - 7/7 \\
&:= ((8+8) \times (888/8 - 8)) - 88/8 \\
&:= 9 + (((9 \times (99+9 \times 9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1638 &:= ((1+1) \times 11^{1+1+1}) - (1+1)^{11-1} \\
&:= 2 + ((2 \times ((22+2)^2)) + 22^2) \\
&:= 3 \times (((3+3)^3) - 3) + 333 \\
&:= 4^4 + ((44 \times (4^4 - 4)/(4+4)) - 4) \\
&:= (5/5+5) \times (5 \times 55 - ((5+5)/5)) \\
&:= (6/6+6) \times ((6 \times 6 \times 6 + 6+6) + 6) \\
&:= (7+7+7) \times (7/7 + 77) \\
&:= (8/8 - 8 \times 8) \times ((8-88)/8 - (8+8)) \\
&:= 9 + ((9 \times (99+9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1639 &:= 11 \times (1 + (1 + (1 + (1 + (1 + (1 + 11)^{1+1})))))) \\
&:= (22 \times (22+2)) + 2222/2 \\
&:= 3/3 + ((3 \times 3 + 3)^3 + (3 \times (3-33))) \\
&:= (((4-4/4)^{4+4}) - (4/4 + 4))/4 \\
&:= (55 \times (5 \times 5 + 5)) - 55/5 \\
&:= 66/6 \times (((6+6) \times (6+6) - 6/6) + 6) \\
&:= 7/7 + ((7+7+7) \times (7/7 + 77)) \\
&:= 8 + ((8888/8 + 8 \times 8 \times 8) + 8) \\
&:= 9 + (((9 \times (99+9 \times 9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1640 &:= 1111 + (1+11+11)^{1+1} \\
&:= 2 \times (2 \times (22-2)^2 - 2 + 22) \\
&:= 3 + (((33/3)^3) - 3^3) + 333 \\
&:= (44-4) \times ((4/4-4) + 44) \\
&:= (55 \times (5 \times 5 + 5)) - 5 - 5 \\
&:= ((6+6)/6 + 6) \times (6 \times 6 \times 6 - (66/6)) \\
&:= (7/7 + 7) \times (((7+7)/7)^7 + 77) \\
&:= 8 + ((88+8) \times (8/8 + 8+8)) \\
&:= (99/9 + 9) \times (9/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1641 &:= 1 + (1111 + (1+11+11)^{1+1}) \\
&:= (2 \times 22 - 2)^2 - ((22/2)^2 + 2) \\
&:= 3 + ((3 \times 3 + 3)^3 + (3 \times (3-33))) \\
&:= 4 \times 4^4 + ((4/4 + 4)^4 - (4+4)) \\
&:= 5/5 + ((55 \times (5 \times 5 + 5)) - (5+5)) \\
&:= 6 \times 6 \times 66 - (((6 \times 6)/(6+6))^6) + 6 \\
&:= (((7+7+7)/7)^7) - (7 \times 77 + 7) \\
&:= 8 + (((88+8) \times (8/8 + 8+8)) + 8/8) \\
&:= 9 + ((9 \times (99+9 \times 9)) + ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1642 &:= 1 + (1 + (1111 + (1+11+11)^{1+1})) \\
&:= (2 \times 22) + ((2 \times (22-2))^2 - 2) \\
&:= 3 + (((3 \times 3 + 3)^3 + (3 \times (3-33))) + 3/3) \\
&:= 4^4 + (44 \times (4^4 - 4)/(4+4)) \\
&:= (5+5)/5 + ((55 \times (5 \times 5 + 5)) - (5+5)) \\
&:= 66 + (6 \times 6 \times (6 \times 6 + 6) + ((6+6)/6)^6) \\
&:= 7 + (((77 \times (7+7+7)) + (77/7)) + 7) \\
&:= 8 + ((88/8 + 8) \times (88 - ((8+8)/8))) \\
&:= ((9+9)/9) \times (9 \times (9 \times 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1643 &:= ((1+1)^{1+1+1}) - (11 \times (1 + (1+1) \times 111)) \\
&:= (2 \times 22 - 2)^2 - (22/2)^2 \\
&:= (3 \times 3 + 3)^3 - ((3 \times 3^3 + 3/3) + 3) \\
&:= (((4-4/4)^{4+4}) + 44/4)/4 \\
&:= (5-5/5)^5 + ((5^5 - 5)/5 - 5) \\
&:= (66 \times (6 \times 6 - 66/6)) - 6/6 - 6 \\
&:= 7 \times 77 + (7777/7 - 7) \\
&:= 88/8 + ((88+8) \times (8/8 + 8+8)) \\
&:= (9 \times (99+9 \times 9)) + ((99+99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1644 &:= (1+11) \times (111 + ((1+1) \times (1+1+11))) \\
&:= 2 \times (2 \times (22-2)^2 + 22) \\
&:= (3 \times 3 + 3)^3 - (3 \times 3^3 + 3) \\
&:= 44 + (4 \times (444 - 44)) \\
&:= 5^5/5 + ((5-5/5)^5 - 5) \\
&:= (66 \times (6 \times 6 - 66/6)) - 6 \\
&:= 7 + (((7+7+7) \times (7/7 + 77)) - 7/7) \\
&:= ((88+8)/8) \times ((8 \times (8+8) + 8/8) + 8) \\
&:= 9 + (((9+9+9)/9) \times (((9+9)/9)^9)) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1645 &:= 1 + ((1+11) \times (111 + ((1+1) \times (1+1+11)))) \\
&:= 2 + ((2 \times 22 - 2)^2 - (22/2)^2) \\
&:= 3/3 + ((3 \times 3 + 3)^3 - (3 \times 3^3 + 3)) \\
&:= 4 \times 4^4 + ((4/4 + 4)^4 - 4) \\
&:= (55 \times (5 \times 5 + 5)) - 5 \\
&:= (6 \times 6 - 6/6) \times (66/6 + 6 \times 6) \\
&:= 7 + ((7+7+7) \times (7/7 + 77)) \\
&:= ((88/8 + 8) \times (88 - 8/8)) - 8 \\
&:= 999 + (9 \times (9 \times 9 - 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1646 &:= 11 + ((111 - 1 - 1) \times (1+1+1+1+11)) \\
&:= 2222 - ((22+2)^2) \\
&:= (3 \times 3 + 3)^3 - (3 \times 3^3 + 3/3) \\
&:= 4 + ((44 \times (4^4 - 4)/(4+4)) + 4^4) \\
&:= 5/5 + ((55 \times (5 \times 5 + 5)) - 5) \\
&:= (((6+6)/6)^{66/6}) - (6 \times 66 + 6) \\
&:= 7 + (((7+7+7) \times (7/7 + 77)) + 7/7) \\
&:= ((8+8)/8) \times (888 - (8/8 + 8 \times 8)) \\
&:= 999 + (9 \times (9 \times 9 - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1647 &:= 111 + ((1+1+1) \times (1+1)^{11-1-1}) \\
&:= 2/2 + 2222 - (22+2)^2 \\
&:= 3 \times ((3+3)^3 + 333) \\
&:= (4 \times (444 - 4 \times (4+4))) - 4/4 \\
&:= (5+5)/5 + ((55 \times (5 \times 5 + 5)) - 5) \\
&:= 6 \times 6 \times 66 - ((6 \times 6)/(6+6))^6 \\
&:= 7 + (((7/7 + 7) \times (((7+7)/7)^7 + 77)) \\
&:= 888/8 + 8 \times 8 \times (8+8+8) \\
&:= 999 + 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1648 &:= (1+1)^{11} - ((1+1) \times (11-1))^{1+1} \\
&:= 2^{22/2} - (22-2)^2 \\
&:= 3/3 + (3 \times ((3+3)^3 + 333)) \\
&:= 4 \times (444 - 4 \times (4+4)) \\
&:= (5-5/5)^5 + (5^5 - 5)/5 \\
&:= ((6+6)/6)^6 + (66 \times ((6+6+6) + 6)) \\
&:= (((7+7+7)/7)^7) - 7 \times 77 \\
&:= (8+8) \times (888/8 - 8) \\
&:= 9/9 + (9 \times (9 \times 9 - 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1649 &:= ((111-1) \times (1+1+1+1+11)) - 1 \\
&:= 2/2 + (2^{22/2} - (22-2)^2) \\
&:= 3 + ((3 \times 3 + 3)^3 - (3 \times 3^3 + 3/3)) \\
&:= 4 \times 4^4 + (4/4 + 4)^4 \\
&:= 5^5/5 + (5-5/5)^5 \\
&:= (66 \times (6 \times 6 - 66/6)) - 6/6 \\
&:= 7 \times 77 + (7777 - 7)/7 \\
&:= 8/8 + ((8+8) \times (888/8 - 8)) \\
&:= 9 + ((99/9 + 9) \times (9/9 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1650 &:= (111-1) \times (1+1+1+1+11) \\
&:= 2 + (2^{22/2} - (22-2)^2) \\
&:= 3 + (3 \times ((3+3)^3 + 333)) \\
&:= 4/4 + ((4/4 + 4)^4 + 4 \times 4^4) \\
&:= 55 \times (5 \times 5 + 5) \\
&:= 66 \times (6 \times 6 - 66/6) \\
&:= 7 \times 77 + 7777/7 \\
&:= (8-8/8 + 8) \times (888-8)/8 \\
&:= 999/9 + (9 \times (9 \times (9+9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1651 &:= 1 + ((111-1) \times (1+1+1+1+11)) \\
&:= (22/2 + 2) \times ((2^{2 \times (2+2)} - 2)/2) \\
&:= 3 + ((3 \times ((3+3)^3 + 333)) + 3/3) \\
&:= 4 + ((4 \times (444 - 4 \times (4+4))) - 4/4) \\
&:= 5/5 + (55 \times (5 \times 5 + 5)) \\
&:= 6/6 + (66 \times (6 \times 6 - 66/6)) \\
&:= 7 \times 77 + (7777 + 7)/7 \\
&:= (88 + 8 + 8)/8 \times (8 \times (8+8) - 8/8) \\
&:= (9 \times (9 \times (9+9) + 9)) + ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1652 &:= 1 + (1 + ((111-1) \times (1+1+1+1+11))) \\
&:= 2 \times ((2 \times ((22-2)^2 + 2)) + 22) \\
&:= 33 + ((3^3 \times (3^3 + 33)) - 3/3) \\
&:= 4 + (4 \times (444 - 4 \times (4+4))) \\
&:= (5+5)/5 + (55 \times (5 \times 5 + 5)) \\
&:= (((6+6)/6)^{66/6}) - 6 \times 66 \\
&:= (7+7) \times (777/7 + 7) \\
&:= ((8+8) \times (88+8+8)) - (88+8)/8 \\
&:= ((99/9) \times (9 \times (9+9) - (99/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1653 &:= (1+1+1) \times (1 + ((1111-11)/(1+1))) \\
&:= (2 \times 22 - 2)^2 - 222/2 \\
&:= 33 + (3^3 \times (3^3 + 33)) \\
&:= 4 + ((4/4 + 4)^4 + 4 \times 4^4) \\
&:= 5 + ((5-5/5)^5 + (5^5 - 5)/5) \\
&:= 6 + (6 \times 6 \times 66 - ((6 \times 6)/(6+6))^{66}) \\
&:= 7/7 + ((7+7) \times (777/7 + 7)) \\
&:= (88/8 + 8) \times (88 - 8/8) \\
&:= (9/9 + 9 + 9) \times (99 - ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1654 &:= (1+1) \times ((1+1)^{11} - 11 \times 111) \\
&:= (((2 \times 22) + 2) \times (2+2+2)^2) - 2 \\
&:= 3/3 + ((3^3 \times (3^3 + 33)) + 33) \\
&:= 4 + (((4/4 + 4)^4 + 4 \times 4^4) + 4/4) \\
&:= 5 + ((5-5/5)^5 + 5^5/5) \\
&:= (6 \times (6 \times 6 \times 6 - 6 + 66)) - (6+6)/6 \\
&:= ((7+7)/7) + ((7+7) \times (777/7 + 7)) \\
&:= 8/8 + ((88/8 + 8) \times (88 - 8/8)) \\
&:= ((9+9)/9) \times ((9 \times 9 \times 9 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1655 &:= 1 + ((1+1) \times ((1+1)^{11} - 11 \times 111)) \\
&:= 2 + ((2 \times 22 - 2)^2 - 222/2) \\
&:= 333 + (((33/3)^3) - 3 \times 3) \\
&:= (4/4 + 4) \times (((44 + 4^4)/4) + 4^4) \\
&:= 5 + (55 \times (5 \times 5 + 5)) \\
&:= (6 \times (6 \times 6 \times 6 - 6 + 66)) - 6/6 \\
&:= 7 + (((7+7+7)/7)^7) - 7 \times 77 \\
&:= 888 + (8 \times (88 + 8) - 8/8) \\
&:= ((9+9) \times ((99/9) + 9 \times 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1656 &:= (1+1) \times (1 + ((1+1)^{11} - 11 \times 111)) \\
&:= ((2 \times 22) + 2) \times (2+2+2)^2 \\
&:= 3 \times (((3+3)^3 + 333) + 3) \\
&:= 4 + ((4 \times (444 - 4 \times (4+4))) + 4) \\
&:= 5 + ((55 \times (5 \times 5 + 5)) + 5/5) \\
&:= 6 \times (6 \times 6 \times 6 - 6 + 66) \\
&:= 7 + ((7777 - 7)/7 + 7 \times 77) \\
&:= 888 + 8 \times (88 + 8) \\
&:= (9+9) \times ((99/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1657 &:= ((1+1+1) \times ((1+1111)/(1+1))) - 11 \\
&:= 2/2 + (((2 \times 22) + 2) \times (2+2+2)^2) \\
&:= (3 \times 3 + 3)^3 + ((3 - (3+3)^3)/3) \\
&:= 4 + (((4/4 + 4)^4 + 4 \times 4^4) + 4) \\
&:= 5 + ((55 \times (5 \times 5 + 5)) + ((5+5)/5)) \\
&:= 6/6 + (6 \times (6 \times 6 \times 6 - 6 + 66)) \\
&:= 7 + (7777/7 + 7 \times 77) \\
&:= 8/8 + (8 \times (88 + 8) + 888) \\
&:= 9/9 + ((9+9) \times ((99/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1658 &:= ((1+1+111)^{1+1}) - 11111 \\
&:= 2 + (((2 \times 22) + 2) \times (2+2+2)^2) \\
&:= 333 + (((33/3)^3) - (3+3)) \\
&:= 4 + (((4/4 + 4)^4 + 4 \times 4^4) + 4/4 + 4) \\
&:= 5 + (((5-5/5)^5 + (5^5 - 5)/5) + 5) \\
&:= 6 + (((6+6)/6)^{66/6}) - 6 \times 66 \\
&:= ((7/7 + 7 + 7) \times 777/7) - 7 \\
&:= 8 + ((8-8/8 + 8) \times (888 - 8)/8) \\
&:= 9 + (((99/9 + 9) \times (9/9 + 9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1659 &:= (1+1+1) \times (((1111-1)/(1+1)) - (1+1)) \\
&:= ((2 \times (22-2) + 2/2)^2) - 22 \\
&:= 3 + ((3 \times (3-3^3)) + (3 \times 3 + 3)^3) \\
&:= 4^4 + (4 \times (4+4) \times 44 - (4/4 + 4)) \\
&:= 5 + (((5-5/5)^5 + 5^5/5) + 5) \\
&:= 666/6 + 6 \times 6 \times (6 \times 6 + 6 + 6) \\
&:= 7 + ((7+7) \times (777/7 + 7)) \\
&:= 88/8 + ((8+8) \times (888/8 - 8)) \\
&:= 9 + ((9 \times (9 \times (9+9) + 9)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1660 &:= (11-1) \times (1 + (11 \times (1+1+1+1+11))) \\
&:= (22-2) \times (((2/2 + 2)^{2+2}) + 2) \\
&:= (3 - 3/3 + 3) \times (333 - 3/3) \\
&:= 4^4 + (4 \times (4+4) \times 44 - 4) \\
&:= 5 + ((55 \times (5 \times 5 + 5)) + 5) \\
&:= (6 - 6/6) \times (6 \times 66 - ((6+6)/6)^6) \\
&:= 7 + (((7+7) \times (777/7 + 7)) + 7/7) \\
&:= ((8+8) \times (88 + 8 + 8)) - (8/((8+8)/8)) \\
&:= (99/9 + 9) \times (((9+9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1661 &:= (((1+1+1) \times 1111) - 11)/(1+1) \\
&:= 2 + (((2 \times (22-2) + 2/2)^2) - 22) \\
&:= 333 + (((33/3)^3) - 3) \\
&:= 4 \times (4^4 + 4) + ((4/4 + 4)^4 - 4) \\
&:= 55/5 + (55 \times (5 \times 5 + 5)) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 - 6 + 66)) - 6/6) \\
&:= 7 \times 77 + ((7777 + 77)/7) \\
&:= 8 + ((88/8 + 8) \times (88 - 8/8)) \\
&:= 99/9 \times (9 \times (9+9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1662 &:= (1+1+1) \times (((1111-1)/(1+1)) - 1) \\
&:= (2/2 + 2) \times (((22+2)^2) - 22) \\
&:= (3 \times 3 + 3)^3 - (33 + 33) \\
&:= 4^4 + (4 \times (4+4) \times 44 - (4+4)/4) \\
&:= (5/5 + 5) \times (5 \times 55 + ((5+5)/5)) \\
&:= 6 + (6 \times (6 \times 6 \times 6 - 6 + 66)) \\
&:= 7 + (((7+7+7)/7)^7) - 7 \times 77 + 7) \\
&:= ((8+8) \times (88 + 8 + 8)) - (8+8)/8 \\
&:= (9+9) \times 99 - (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1663 &:= (111 \times (1+1+1+1+11)) - 1 - 1 \\
&:= ((22+2+2) \times 2^{2+2+2}) - 2/2 \\
&:= 333 + (((33/3)^3) - 3/3) \\
&:= 4^4 + (4 \times (4+4) \times 44 - 4/4) \\
&:= (((5+5+5) \times 555) - (5+5))/5 \\
&:= 6 + ((6 \times (6 \times 6 \times 6 - 6 + 66)) + 6/6) \\
&:= 77/7 + ((7+7) \times (777/7+7)) \\
&:= ((8+8) \times (88+8+8)) - 8/8 \\
&:= (9+9) \times 99 + (((9-999)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1664 &:= (111 \times (1+1+1+1+11)) - 1 \\
&:= (22+2+2) \times 2^{2+2+2} \\
&:= 333 + ((33/3)^3) \\
&:= 4 \times (4 \times (44-4) + 4^4) \\
&:= (((5+5+5) \times 555) - 5)/5 \\
&:= (6/6+6+6) \times (((6+6)/6)^{6/6+6}) \\
&:= (7-7/7+7) \times ((7+7)/7)^7 \\
&:= (8+8) \times (88+8+8) \\
&:= 9 + ((9+9) \times ((99/9) + 9 \times 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1665 &:= 111 \times (1+1+1+1+11) \\
&:= 222/2 \times ((22/2+2) + 2) \\
&:= 333 \times (3-3/3+3) \\
&:= 4 \times (4^4+4) + (4/4+4)^4 \\
&:= (5+5+5) \times 555/5 \\
&:= (6-6/6) \times 666 \times 6/(6+6) \\
&:= (7/7+7+7) \times 777/7 \\
&:= 8/8 + ((8+8) \times (88+8+8)) \\
&:= 9 + ((9+9) \times ((99/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1666 &:= 1 + (111 \times (1+1+1+1+11)) \\
&:= 2 + ((22+2+2) \times 2^{2+2+2}) \\
&:= ((3 \times 3333) - 3)/(3+3) \\
&:= 4 \times 444 + ((4-444)/4) \\
&:= 555 + 5555/5 \\
&:= 6 + ((6-6/6) \times (6 \times 66 - ((6+6)/6)^6)) \\
&:= 7 \times (777 - 7 \times 77) \\
&:= (8+8)/8 + ((8+8) \times (88+8+8)) \\
&:= (99-9/9) \times ((9-9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1667 &:= (1 + ((1+1+1) \times 1111))/(1+1) \\
&:= 2 + (222/2 \times ((22/2+2) + 2)) \\
&:= 3 + (((33/3)^3) + 333) \\
&:= 4 + ((4 \times (4+4) \times 44 - 4/4) + 4^4) \\
&:= 555 + (5555+5)/5 \\
&:= 66/6 + (6 \times (6 \times 6 \times 6 - 6 + 66)) \\
&:= 7/7 + ((77 \times (7+7+7)) + 7 \times 7) \\
&:= 888 + (8 \times (88+8) + (88/8)) \\
&:= 9/9 + ((99-9/9) \times ((9-9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1668 &:= (1+1+1) \times ((1+1111)/(1+1)) \\
&:= 2 \times ((22 \times ((2+2+2)^2 + 2)) - 2) \\
&:= 3 + (333 \times (3-3/3+3)) \\
&:= 4 + (4 \times (4+4) \times 44 + 4^4) \\
&:= (5 - (5+5)/5) \times (555 + 5/5) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 - 6 + 66)) + 6) \\
&:= 7 \times 7 + ((77 \times (7+7+7)) + ((7+7)/7)) \\
&:= (8/((8+8)/8)) + ((8+8) \times (88+8+8)) \\
&:= 99 + (9 \times 9 \times (9+9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1669 &:= 1 + ((1+1+1) \times ((1+1111)/(1+1))) \\
&:= 2 + ((222/2 \times ((22/2+2) + 2)) + 2) \\
&:= 3 + (((3 \times 3333) - 3)/(3+3)) \\
&:= 4 + (4 \times (4^4+4) + (4/4+4)^4) \\
&:= 5 + (((5+5+5) \times 555) - 5)/5 \\
&:= (((6 \times 6 - 6/6) + 6)^{(6+6)/6}) - 6 - 6 \\
&:= 7 + (((((7+7+7)/7)^7) - 7 \times 77) + 7) + 7 \\
&:= 8 + (((88/8+8) \times (88-8/8)) + 8) \\
&:= 9 + ((99/9+9) \times ((9+9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1670 &:= (11-1) \times ((1+1+11)^{1+1} - (1+1)) \\
&:= (2 \times (22 \times ((2+2+2)^2 + 2))) - 2 \\
&:= 3 + (((33/3)^3) + 333) + 3 \\
&:= 4 + (((4-444)/4) + 4 \times 444) \\
&:= 5 + ((5+5+5) \times 555/5) \\
&:= 6 + ((6/6+6+6) \times (((6+6)/6)^{6/6+6})) \\
&:= 7 + (((7+7) \times (777/7+7)) + (77/7)) \\
&:= 88 \times (88/8+8) - (8+8)/8 \\
&:= (9+9) \times 99 - ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1671 &:= (1+1+1) \times (1 + ((1+1111)/(1+1))) \\
&:= (2 \times (22 \times ((2+2+2)^2 + 2))) - 2/2 \\
&:= 3 + ((333 \times (3-3/3+3)) + 3) \\
&:= 44 \times 44 - (((4/4+4^4) + 4) + 4) \\
&:= 5 + (5555/5 + 555) \\
&:= 6 + ((6-6/6) \times 666 \times 6/(6+6)) \\
&:= 7 + ((7-7/7+7) \times ((7+7)/7)^7) \\
&:= 88 \times (88/8+8) - 8/8 \\
&:= (9+9) \times 99 - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1672 &:= 11 \times ((11 \times (1 + (1+1+11))) - (1+1)) \\
&:= 2 \times (22 \times ((2+2+2)^2 + 2)) \\
&:= ((3 \times 3333) + 33)/(3+3) \\
&:= 44 \times (44 - ((4+4)/4 + 4)) \\
&:= 5 + ((5555+5)/5 + 555) \\
&:= 66/6 \times (6 \times 6 \times 6 - ((6+6)/6)^6) \\
&:= 7 + ((7/7+7+7) \times 777/7) \\
&:= 88 \times (88/8+8) \\
&:= 99/9 \times (9 \times (9+9) - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1673 &:= 1 + (11 \times ((11 \times (1 + (1+1+11))) - (1+1))) \\
&:= 2/2 + (2 \times (22 \times ((2+2+2)^2 + 2))) \\
&:= 3 \times 3 + (((33/3)^3) + 333) \\
&:= 4 + ((4 \times (4^4+4) + (4/4+4)^4) + 4) \\
&:= 5 + ((5 - (5+5)/5) \times (555 + 5/5)) \\
&:= (6 \times (6 \times 66 - 6)) - (666 + 6/6) \\
&:= 7 + ((77 \times (7+7+7)) + 7 \times 7) \\
&:= 8/8 + 88 \times (88/8+8) \\
&:= (9+9) \times 99 - (9/9+99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1674 &:= (1+1+1) \times (1 + (1 + ((1+1111)/(1+1)))) \\
&:= 2 + (2 \times (22 \times ((2+2+2)^2 + 2))) \\
&:= 3 \times (3 \times (((3+3)^3 - 33) + 3)) \\
&:= 44 \times 44 - (((4+4)/4 + 4^4) + 4) \\
&:= 5 \times 5 + ((5-5/5)^5 + 5^5/5) \\
&:= (6 \times (6 \times 66 - 6)) - 666 \\
&:= ((7 \times 7 - (7/7+7))^{(7+7)/7}) - 7 \\
&:= (8+8)/8 + 88 \times (88/8+8) \\
&:= (9+9) \times 99 - (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1675 &:= 11 + ((111 \times (1+1+1+1+11)) - 1) \\
&:= ((2 \times 22) + 2)^2 - ((22-2/2)^2) \\
&:= (3 \times 3^{3+3}) - ((3-3/3)^{3 \times 3}) \\
&:= 44 \times 44 - ((4/4+4^4) + 4) \\
&:= 5 \times ((5 \times 55 + 55) + 5) \\
&:= (66+6/6) \times (6 \times 6 - 66/6) \\
&:= (7 - ((7+7)/7)) \times (7 \times 7 \times 7 - (7/7+7)) \\
&:= 88/8 + ((8+8) \times (88+8+8)) \\
&:= 9 + ((99-9/9) \times ((9-9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1676 &:= 11 + (111 \times (1+1+1+1+11)) \\
&:= 2 \times (22 \times ((2+2+2)^2 + 2)) + 2 \\
&:= 3 + (((33/3)^3) + 333) + 3 \times 3 \\
&:= 44 \times 44 - (4^4 + 4) \\
&:= 5 \times 5 + ((55 \times (5 \times 5 + 5)) + 5/5) \\
&:= 6/6 + ((66+6/6) \times (6 \times 6 - 66/6)) \\
&:= (77/7 \times ((77-7/7) + 77)) - 7 \\
&:= ((88+8)/8) + ((8+8) \times (88+8+8)) \\
&:= (9+9)/9 + ((9+9) \times 99 - (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1677 &:= 1 + (11 + (111 \times (1+1+1+1+11))) \\
&:= ((2 \times (22-2) + 2/2)^2) - 2 - 2 \\
&:= 3 + (3 \times (3 \times (((3+3)^3 - 33) + 3))) \\
&:= 4/4 + (44 \times 44 - (4^4 + 4)) \\
&:= 5 \times 5 + ((55 \times (5 \times 5 + 5)) + ((5+5)/5)) \\
&:= 6 + (((6-6/6) \times 666 \times 6/(6+6)) + 6) \\
&:= 7 \times 7 + ((77 \times (7+7+7)) + (77/7)) \\
&:= (88+8+8)/8 \times (8 \times (8+8) + 8/8) \\
&:= 9 + ((9 \times 9 \times (9+9) + 999/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1678 &:= 11 + ((1 + ((1 + 1 + 1) \times 1111)) / (1 + 1)) \\
&:= (2 \times 22)^2 - (2^{2 \times (2+2)} + 2) \\
&:= 3 + 3 \times 3^{3+3} - (3 - 3/3)^{3 \times 3} \\
&:= 44 \times 44 - ((4 + 4) / 4 + 4^4) \\
&:= ((5/5 + 5) \times (5 \times 55 + 5)) - (5 + 5) / 5 \\
&:= 6 + ((66/6) \times (6 \times 6 \times 6 - ((6 + 6) / 6)^6)) \\
&:= 7 + (((7 - 7/7 + 7) \times ((7 + 7) / 7)^7) + 7) \\
&:= 8 + (88 \times (88/8 + 8) - ((8 + 8) / 8)) \\
&:= (9 \times (9 \times 9 - (9 + 9))) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1679 &:= ((11 - 1) \times (1 + 1 + 11)^{1+1}) - 11 \\
&:= (2 \times (22 - 2) + 2/2)^2 - 2 \\
&:= (3^3 - 3/3 - 3) \times (((3 + 3)^3 + 3) / 3) \\
&:= 44 \times 44 - (4/4 + 4^4) \\
&:= ((5/5 + 5) \times (5 \times 55 + 5)) - 5/5 \\
&:= ((66/6 + 6) + 6) \times (66 + 6/6 + 6) \\
&:= 7 + (((7/7 + 7 + 7) \times 777/7) + 7) \\
&:= 8 + (88 \times (88/8 + 8) - 8/8) \\
&:= 9 + ((9 + 9) \times 99 - ((999 + 9) / 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1680 &:= (11 - 1) \times ((1 + 1 + 11)^{1+1} - 1) \\
&:= 2 \times ((2 - 22) \times (2 - (2 \times 22))) \\
&:= (3^3 + 3/3) \times (3^3 + 33) \\
&:= 44 \times 44 - 4^4 \\
&:= (5/5 + 5) \times (5 \times 55 + 5) \\
&:= 6 \times (((6 + 6) / 6)^6 + 6 \times 6 \times 6) \\
&:= (77 + 7) \times ((7 - 7/7 + 7) + 7) \\
&:= 8 + 88 \times (88/8 + 8) \\
&:= 9 + ((9 + 9) \times 99 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1681 &:= (1 + ((1 + 1) \times ((1 + 1) \times (11 - 1))))^{1+1} \\
&:= (2 \times (22 - 2) + 2/2)^2 \\
&:= ((33/3 + 3^3) + 3)^{3-3/3} \\
&:= 4/4 + (44 \times 44 - 4^4) \\
&:= 5/5 + ((5/5 + 5) \times (5 \times 55 + 5)) \\
&:= ((6 \times 6 - 6/6) + 6)^{(6+6)/6} \\
&:= (7 \times 7 - (7/7 + 7))^{(7+7)/7} \\
&:= 8 + (88 \times (88/8 + 8) + 8/8) \\
&:= (9 + 9) \times 99 - ((9 + 9) / 9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1682 &:= 1 + ((1 + ((1 + 1) \times ((1 + 1) \times (11 - 1))))^{1+1}) \\
&:= (((2 + 2 + 2)^2 + 22)^2) / 2 \\
&:= (33 \times ((3^3 - 3) + 3^3)) - 3/3 \\
&:= (4 + 4) / 4 + (44 \times 44 - 4^4) \\
&:= ((5 + 5) / 5)^5 + (55 \times (5 \times 5 + 5)) \\
&:= 6/6 + (((6 \times 6 - 6/6) + 6)^{(6+6)/6}) \\
&:= 7/7 + ((7 \times 7 - (7/7 + 7))^{(7+7)/7}) \\
&:= 8 + (88 \times (88/8 + 8) + ((8 + 8) / 8)) \\
&:= (9 + 9) \times 99 - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1683 &:= 11 \times ((11 \times (1 + (1 + 1 + 11))) - 1) \\
&:= 2 + ((2 \times (22 - 2) + 2/2)^2) \\
&:= 33 \times ((3^3 - 3) + 3^3) \\
&:= 4 + (44 \times 44 - (4/4 + 4^4)) \\
&:= 5 \times 5 \times 55 + ((5^5 + 5) / (5 + 5) - 5) \\
&:= 66/6 \times (666/6 + 6 \times 6 + 6) \\
&:= 77/7 \times ((77 - 7/7) + 77) \\
&:= 88/8 + 88 \times (88/8 + 8) \\
&:= 99 \times ((9 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1684 &:= 1 + (11 \times ((11 \times (1 + (1 + 1 + 11))) - 1)) \\
&:= 2 + (((2 + 2 + 2)^2 + 22)^2) / 2 \\
&:= 3/3 + (33 \times ((3^3 - 3) + 3^3)) \\
&:= 4 + (44 \times 44 - 4^4) \\
&:= 5 + (((5/5 + 5) \times (5 \times 55 + 5)) - 5/5) \\
&:= (((6 + 6) / 6)^{6+6}) - (6 \times (6 \times 66 + 6)) \\
&:= 7 + (((77 \times (7 + 7 + 7)) + (77/7)) + 7 \times 7) \\
&:= ((88 + 8) / 8) + 88 \times (88/8 + 8) \\
&:= 9/9 + (99 \times ((9 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1685 &:= (1 + 1)^{11} - (11 \times (11 \times (1 + 1 + 1))) \\
&:= 2 + (((2 \times (22 - 2) + 2/2)^2) + 2) \\
&:= 3 + ((33 \times ((3^3 - 3) + 3^3)) - 3/3) \\
&:= 4 + ((44 \times 44 - 4^4) + 4/4) \\
&:= 5 + ((5/5 + 5) \times (5 \times 55 + 5)) \\
&:= (6 \times (6 \times 6 \times 6 + 66)) - 6/6 - 6 \\
&:= (7 - ((7 + 7) / 7)) \times ((7 \times 7 \times 7 - 7) + 7/7) \\
&:= 8 + ((88 + 8 + 8) / 8 \times (8 \times (8 + 8) + 8/8)) \\
&:= (9 + 9) / 9 + (99 \times ((9 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1686 &:= 1 + ((1 + 1)^{11} - (11 \times (11 \times (1 + 1 + 1)))) \\
&:= (2 \times (2 \times ((22 - 2)^2 + 22))) - 2 \\
&:= 3 + (33 \times ((3^3 - 3) + 3^3)) \\
&:= 4 + ((44 \times 44 - 4^4) + (4 + 4) / 4) \\
&:= (5/5 + 5) \times ((5 \times 55 + 5/5) + 5) \\
&:= (6 \times (6 \times 6 \times 6 + 66)) - 6 \\
&:= 77 + ((77 \times (7 + 7 + 7)) - (7/7 + 7)) \\
&:= 8 \times (8 \times 8 + 8) + (8888 - 8) / 8 \\
&:= (9 + 9) \times 99 + (((9 + 9 + 9) / 9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1687 &:= 1111 + (((1 + 1) \times (1 + 11))^{1+1}) \\
&:= ((22 + 2)^2) + 2222/2 \\
&:= ((3 \times (3 \times 3 + 3 + 3)^3) - 3) / (3 + 3) \\
&:= 4 + ((44 \times 44 - (4/4 + 4^4)) + 4) \\
&:= 5 \times 5 \times 55 + (5^5 - 5) / (5 + 5) \\
&:= 6 + (((6 \times 6 - 6/6) + 6)^{(6+6)/6}) \\
&:= 77 + ((77 \times (7 + 7 + 7)) - 7) \\
&:= 8 \times (8 \times 8 + 8) + 8888/8 \\
&:= 9 + ((9 \times (9 \times 9 - (9 + 9))) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1688 &:= ((11 - 1) \times (1 + 1 + 11)^{1+1}) - 1 - 1 \\
&:= 2 \times (2 \times ((22 - 2)^2 + 22)) \\
&:= ((3 \times (3 \times 3 + 3 + 3)^3) + 3) / (3 + 3) \\
&:= 4 + ((44 \times 44 - 4^4) + 4) \\
&:= 5 \times 5 \times 55 + (5^5 + 5) / (5 + 5) \\
&:= (6 + 6) / 6 + ((6 \times (6 \times 6 \times 6 + 66)) - 6) \\
&:= 7 + ((7 \times 7 - (7/7 + 7))^{(7+7)/7}) \\
&:= 8 + (88 \times (88/8 + 8) + 8) \\
&:= (9 - 9/9) \times (((999 + 9) / 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1689 &:= ((11 - 1) \times (1 + 1 + 11)^{1+1}) - 1 \\
&:= 2 + ((2222/2) + ((22 + 2)^2)) \\
&:= (3 \times 3 + 3)^3 - (33 + 3 + 3) \\
&:= 4 + (((44 \times 44 - 4^4) + 4/4) + 4) \\
&:= 5 \times 5 + (((5 + 5 + 5) \times 555) - 5) / 5 \\
&:= (6 - 6 \times 6) \times (6 - 66) - 666/6 \\
&:= (((7 + 7) / 7) \times ((77 \times 77 + 7) / 7)) - 7 \\
&:= 8 + ((88 \times (88/8 + 8) + 8/8) + 8) \\
&:= 9 + (((9 + 9) \times 99 - 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1690 &:= (11 - 1) \times (1 + 1 + 11)^{1+1} \\
&:= 2 + (2 \times (2 \times ((22 - 2)^2 + 22))) \\
&:= (3 \times 3 + 3)^3 - (33/3 + 3^3) \\
&:= 44 \times 44 + ((44 - 4) / 4 - 4^4) \\
&:= 5 \times ((5^5 + 5) / (5 + 5) + 5 \times 5) \\
&:= (6 \times (6 \times 6 \times 6 + 66)) - (6 + 6) / 6 \\
&:= 7 + (77/7 \times ((77 - 7/7) + 77)) \\
&:= (8/8 + 8 \times 8) \times (((8 + 8) / 8) + 8) + 8 \\
&:= (9 + 9) \times 99 - ((99/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1691 &:= 1 + ((11 - 1) \times (1 + 1 + 11)^{1+1}) \\
&:= 2222 - (((22 + 2/2)^2) + 2) \\
&:= 3^3 + (((33/3)^3) + 333) \\
&:= 44/4 + (44 \times 44 - 4^4) \\
&:= 5 + ((5/5 + 5) \times ((5 \times 55 + 5/5) + 5)) \\
&:= (6 \times (6 \times 6 \times 6 + 66)) - 6/6 \\
&:= 77 + (((7 + 7 + 7) / 7) \times (7 \times 77 - 7/7)) \\
&:= (88/8 + 8) \times (8/8 + 88) \\
&:= 9 + ((9 + 9) \times 99 - (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1692 &:= 1 + (1 + ((11 - 1) \times (1 + 1 + 11)^{1+1})) \\
&:= 2 \times ((2 \times ((22 - 2)^2 + 22)) + 2) \\
&:= (3 \times 3 + 3)^3 - (33 + 3) \\
&:= ((4 + 4) \times (4^4 - 44)) - 4 \\
&:= 5 + ((5^5 - 5) / (5 + 5) + 5 \times 5 \times 55) \\
&:= 6 \times (6 \times 6 \times 6 + 66) \\
&:= ((7 + 7) / 7) \times ((77 \times 77 - 7) / 7) \\
&:= 8/8 + ((88/8 + 8) \times (8/8 + 88)) \\
&:= 9 + (99 \times ((9 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1693 &:= (11 \times (11 \times (1 + (1 + 1 + 11)))) - 1 \\
&:= 2222 - ((22 + 2/2)^2) \\
&:= 3/3 + ((3 \times 3 + 3)^3 - (33 + 3)) \\
&:= 44 + ((4/4 + 4)^4 + 4 \times 4^4) \\
&:= 5 + ((5^5 + 5)/(5 + 5) + 5 \times 5 \times 55) \\
&:= 6/6 + (6 \times (6 \times 6 \times 6 + 66)) \\
&:= 77 + ((77 \times (7 + 7 + 7)) - 7/7) \\
&:= ((8 \times 8 - 8/8) \times (88/8 + 8 + 8)) - 8 \\
&:= 9 + ((99 \times ((9 - 9/9) + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1694 &:= 11 \times (11 \times (1 + (1 + 1 + 11))) \\
&:= (2^{2+2} - 2) \times (22/2)^2 \\
&:= (3 \times 3 + 3)^3 - 3/3 - 33 \\
&:= ((4 + 4) \times (4^4 - 44)) - (4 + 4)/4 \\
&:= 55 + ((55 \times (5 \times 5 + 5)) - (55/5)) \\
&:= (6 + 6)/6 + (6 \times (6 \times 6 \times 6 + 66)) \\
&:= 77 + (77 \times (7 + 7 + 7)) \\
&:= 88/8 \times (((8 + 8)/8 + 88) + 8 \times 8) \\
&:= 99/9 + (99 \times ((9 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1695 &:= 1 + (11 \times (11 \times (1 + (1 + 1 + 11)))) \\
&:= (2 \times 22)^2 + ((2 - 22^2)/2) \\
&:= (3 \times 3 + 3)^3 - 33 \\
&:= ((4 + 4)^4) - (((4 - 4/4) + 4)^4) \\
&:= 5^5 - (5 \times 5 \times 55 + 55) \\
&:= (6 - 6/6) \times (666 \times 6/(6 + 6) + 6) \\
&:= 7/7 + ((77 \times (7 + 7 + 7)) + 77) \\
&:= 8 + (8888/8 + 8 \times (8 \times 8 + 8)) \\
&:= (9 + 9) \times 99 + (((99 + 9/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1696 &:= 1 + (1 + (11 \times (11 \times (1 + (1 + 1 + 11)))))) \\
&:= 2 + ((2^{2+2} - 2) \times (22/2)^2) \\
&:= 3/3 + ((3 \times 3 + 3)^3 - 33) \\
&:= (4 + 4) \times (4^4 - 44) \\
&:= (55/5 + 5) \times (555/5 - 5) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 + 66)) - ((6 + 6)/6)) \\
&:= ((7 + 7)/7) \times ((77 \times 77 + 7)/7) \\
&:= 8 + ((88 \times (88/8 + 8) + 8) + 8) \\
&:= (9 - 9/9) \times (((999 + 9 + 9)/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1697 &:= 1 + (1 + (1 + (11 \times (11 \times (1 + (1 + 1 + 11)))))) \\
&:= 2 + (((2 - 22^2)/2) + (2 \times 22)^2) \\
&:= 3 + ((3 \times 3 + 3)^3 - (3/3 + 33)) \\
&:= 4/4 + ((4 + 4) \times (4^4 - 44)) \\
&:= 5 + (((5^5 - 5)/(5 + 5) + 5 \times 5 \times 55) + 5) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 + 66)) - 6/6) \\
&:= (7 \times (7 - 77)) + (((7 + 7 + 7)/7)^7) \\
&:= ((8 - 8/8)^{8 \times 8/(8+8)}) - 8 \times 88 \\
&:= 9 + ((9 - 9/9) \times (((999 + 9)/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1698 &:= (1 + 1 + 1) \times (11 + ((1111 - 1)/(1 + 1))) \\
&:= 2 + (((2^{2+2} - 2) \times (22/2)^2) + 2) \\
&:= 3 + ((3 \times 3 + 3)^3 - 33) \\
&:= (4 + 4)/4 + ((4 + 4) \times (4^4 - 44)) \\
&:= (5 - (5 + 5)/5) \times (555 + (55/5)) \\
&:= 6 + (6 \times (6 \times 6 \times 6 + 66)) \\
&:= (7 - 7/7) \times (7 \times (7 \times 7 - 7) - (77/7)) \\
&:= 8 + ((8/8 + 8 \times 8) \times (((8 + 8)/8) + 8) + 8) \\
&:= (9 + 9) \times 99 - (((9 + 9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1699 &:= ((11 - 1) \times (1 + (1 + 1 + 11)^{1+1})) - 1 \\
&:= ((22 - 2/2) \times ((2/2 + 2)^{2+2})) - 2 \\
&:= 3 + (((3 \times 3 + 3)^3 - 33) + 3/3) \\
&:= 4 + (((4 + 4)^4) - (((4 - 4/4) + 4)^4)) \\
&:= 55 + (((5 - 5/5)^5 - 5) + 5^5/5) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 + 66)) + 6/6) \\
&:= 7 \times (77 + 7) + 7777/7 \\
&:= 8 + ((88/8 + 8) \times (8/8 + 88)) \\
&:= (9 + 9) \times 99 - (((9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1700 &:= (11 - 1) \times (1 + (1 + 1 + 11)^{1+1}) \\
&:= (2 \times 22 - 2)^2 - 2^{2+2+2} \\
&:= (3 \times 3 + 3)^3 - (3^3 + 3/3) \\
&:= 4 + ((4 + 4) \times (4^4 - 44)) \\
&:= 5 \times (((5 \times 55 + 55) + 5) + 5) \\
&:= 6 + ((6 \times (6 \times 6 \times 6 + 66)) + ((6 + 6)/6)) \\
&:= 7 + (((77 \times (7 + 7 + 7)) - 7/7) + 77) \\
&:= (8/8 + 8 + 8) \times (((88 + 8)/8) + 88) \\
&:= ((9 - 9/9) + 9) \times (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1701 &:= 1 + ((11 - 1) \times (1 + (1 + 1 + 11)^{1+1})) \\
&:= (22 - 2/2) \times ((2/2 + 2)^{2+2}) \\
&:= (3 \times 3 + 3)^3 - 3^3 \\
&:= 4 + (((4 + 4) \times (4^4 - 44)) + 4/4) \\
&:= ((5 + 5)/5 + 5) \times ((5 - (5 + 5)/5)^5) \\
&:= (6/6 + 6) \times ((6 \times 6/(6 + 6))^{6-6/6}) \\
&:= 7 + ((77 \times (7 + 7 + 7)) + 77) \\
&:= (8 \times 8 - 8/8) \times (88/8 + 8 + 8) \\
&:= 9 \times ((99 + 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1702 &:= ((1 + 1 + 11) \times ((11 \times (1 + 11)) - 1)) - 1 \\
&:= 2 + ((2 \times 22 - 2)^2 - 2^{2+2+2}) \\
&:= 3/3 + ((3 \times 3 + 3)^3 - 3^3) \\
&:= 4 + (((4 + 4) \times (4^4 - 44)) + (4 + 4)/4) \\
&:= 55 + (((55 \times (5 \times 5 + 5)) - 5) + ((5 + 5)/5)) \\
&:= ((66 - 6)/6) + (6 \times (6 \times 6 \times 6 + 66)) \\
&:= 7 + (((77 \times (7 + 7 + 7)) + 77) + 7/7) \\
&:= ((88/8 + 8) \times ((8 + 8)/8 + 88)) - 8 \\
&:= 9/9 + (9 \times ((99 + 9 \times 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1703 &:= (1 + 1 + 11) \times ((11 \times (1 + 11)) - 1) \\
&:= 22 + ((2 \times (22 - 2) + 2/2)^2) \\
&:= 3 + ((3 \times 3 + 3)^3 - (3^3 + 3/3)) \\
&:= 4 + (((4 + 4)^4) - (((4 - 4/4) + 4)^4)) + 4) \\
&:= 55 + ((5 - 5/5)^5 + (5^5 - 5)/5) \\
&:= 66/6 + (6 \times (6 \times 6 \times 6 + 66)) \\
&:= 7 + (((7 + 7)/7) \times ((77 \times 77 + 7)/7)) \\
&:= 888 + (888/8 + 8 \times 88) \\
&:= (9 + 9)/9 + (9 \times ((99 + 9 \times 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1704 &:= (1 + 11) \times ((1 + 11)^{1+1} - (1 + 1)) \\
&:= 2 \times (2 \times ((2 \times (222 + 2)) - 22)) \\
&:= 3 + ((3 \times 3 + 3)^3 - 3^3) \\
&:= 4 + (((4 + 4) \times (4^4 - 44)) + 4) \\
&:= 55 + ((5 - 5/5)^5 + 5^5/5) \\
&:= 6 + 6 \times (6 \times 6 \times 6 + 66) + 6 \\
&:= (7 \times (7 \times (7 \times 7 - (7 + 7)))) - 77/7 \\
&:= (8 + 8 + 8) \times ((8 \times 8 - 8/8) + 8) \\
&:= (9 + 9) \times 99 + (((9 + 9 + 9)/9) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1705 &:= 11 \times (11 + (1 + 11)^{1+1}) \\
&:= 2 + (((2 \times (22 - 2) + 2/2)^2) + 22) \\
&:= 3 + (((3 \times 3 + 3)^3 - 3^3) + 3/3) \\
&:= 44/4 \times (444/4 + 44) \\
&:= 55 + (55 \times (5 \times 5 + 5)) \\
&:= 6 + 6 \times (6 \times 6 \times 6 + 66) + 6/6 + 6 \\
&:= 77/7 \times (7/7 + 77 + 77) \\
&:= 8/8 + ((8 + 8 + 8) \times ((8 \times 8 - 8/8) + 8)) \\
&:= 99/9 \times (((9 + 9)/9) - 9) + 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1706 &:= 1 + (11 \times (11 + (1 + 11)^{1+1})) \\
&:= (2 \times (2 \times (22^2 - 2))) - 222 \\
&:= 33/3 + ((3 \times 3 + 3)^3 - 33) \\
&:= (44 - 4)/4 + ((4 + 4) \times (4^4 - 44)) \\
&:= 55 + ((55 \times (5 \times 5 + 5)) + 5/5) \\
&:= 6 + 6 \times (6 \times 6 \times 6 + 66) + (6 + 6)/6 + 6 \\
&:= 7 + (7777/7 + 7 \times (77 + 7)) \\
&:= (8 + 8)/8 + ((8 + 8 + 8) \times ((8 \times 8 - 8/8) + 8)) \\
&:= 9 \times 9 \times 9 + (999 - ((99 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1707 &:= 1 + (1 + (11 \times (11 + (1 + 11)^{1+1}))) \\
&:= 2 + (((2 \times (22 - 2) + 2/2)^2) + 22) + 2) \\
&:= 3 + (((3 \times 3 + 3)^3 - 3^3) + 3) \\
&:= 44/4 + ((4 + 4) \times (4^4 - 44)) \\
&:= 55 + ((55 \times (5 \times 5 + 5)) + ((5 + 5)/5)) \\
&:= 6 + (6/6 + 6) \times (6 \times 6/(6 + 6))^{6-6/6} \\
&:= (7 \times (7 \times (7 \times 7 - (7 + 7)))) - (7/7 + 7) \\
&:= 8 + (((88/8 + 8) \times (8/8 + 88)) + 8) \\
&:= 9 + ((9 + 9) \times 99 - (((9 + 9 + 9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1708 &:= (1 + (1 + 1 + 11)) \times (1 + 11^{1+1}) \\
&:= 2 + ((2 \times (2 \times (22^2 - 2))) - 222) \\
&:= ((3/3 + 3) + 3) \times ((3^3 + 3)/3) \\
&:= (4 \times (444 - 4 \times 4)) - 4 \\
&:= 5 + (((5 - 5/5)^5 + (5^5 - 5)/5) + 55) \\
&:= 6 \times 6 \times 66 - (666 + (6 + 6)/6) \\
&:= (7 \times (7 \times (7 \times 7 - (7 + 7)))) - 7 \\
&:= 8 + ((8/8 + 8 + 8) \times (((88 + 8)/8) + 88)) \\
&:= 9 + ((9 + 9) \times 99 - (((9 + 9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1709 &:= 1 + (1 + 1 + 1 + 11) \times (1 + 11^{1+1}) \\
&:= 22^2 + (((22/2 + 22) + 2)^2) \\
&:= (3 \times 3 + 3)^3 - ((3 \times (3 + 3)) + 3/3) \\
&:= 4/4 + ((4 \times (444 - 4 \times 4)) - 4) \\
&:= 5 + (((5 - 5/5)^5 + 5^5/5) + 55) \\
&:= 6 \times 6 \times 66 - (666 + 6/6) \\
&:= 7/7 + ((7 \times (7 \times (7 \times 7 - (7 + 7)))) - 7) \\
&:= 8 + ((8 \times 8 - 8/8) \times (88/8 + 8 + 8)) \\
&:= 9 + (((9 - 9/9) + 9) \times (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1710 &:= (11 - 1) \times (1 + (1 + (1 + 1 + 11))^{1+1}) \\
&:= 2222 - (2^{(2/2+2)^2}) \\
&:= (3 \times 3 + 3)^3 - (3 \times (3 + 3)) \\
&:= 4 \times 444 - ((4^4 + 4 + 4)/4) \\
&:= 5 + ((55 \times (5 \times 5 + 5)) + 55) \\
&:= 6 \times 6 \times 66 - 666 \\
&:= (7 - ((7 + 7)/7)) \times (7 \times 7 \times 7 - 7/7) \\
&:= (88/8 + 8) \times ((8 + 8)/8 + 88) \\
&:= 9 + (9 \times ((99 + 9 \times 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1711 &:= 1 + ((11 - 1) \times (1 + (1 + (1 + 1 + 11))^{1+1})) \\
&:= 222/2 + (2 \times (22 - 2))^2 \\
&:= 3/3 + ((3 \times 3 + 3)^3 - (3 \times (3 + 3))) \\
&:= 4 \times 444 - (4^4 + 4)/4 \\
&:= (5555 + 5^5)/5 - 5 \times 5 \\
&:= 6/6 + (6 \times 6 \times 66 - 666) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 - (7 + 7)))) - (77/7)) \\
&:= 88 + (8888/8 + 8 \times 8 \times 8) \\
&:= 9 + ((9 \times ((99 + 9 \times 9) + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1712 &:= (1 + 1)^{11} - ((1 + 1 + 1) \times (1 + 111)) \\
&:= (2 \times 22)^2 - (222 + 2) \\
&:= 33/3 + ((3 \times 3 + 3)^3 - 3^3) \\
&:= 4 \times (444 - 4 \times 4) \\
&:= (55/5 + 5) \times ((555 + 5)/5 - 5) \\
&:= (6 + 6)/6 + (6 \times 6 \times 66 - 666) \\
&:= 7 + (77/7 \times (7/7 + 77 + 77)) \\
&:= (8 + 8) \times ((88/8 + 88) + 8) \\
&:= 99/9 + (9 \times ((99 + 9 \times 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1713 &:= 1 + ((1 + 1)^{11} - ((1 + 1 + 1) \times (1 + 111))) \\
&:= (2 \times 22)^2 - (222 + 2/2) \\
&:= 3 + ((3 \times 3 + 3)^3 - (3 \times (3 + 3))) \\
&:= 4/4 + (4 \times (444 - 4 \times 4)) \\
&:= (5 - (5 + 5)/5) \times ((5^5 + 5)/5 - 55) \\
&:= 66 + (6 \times 6 \times 66 - ((6 \times 6)/(6 + 6))^6) \\
&:= (7 \times (7 \times (7 \times 7 - (7 + 7)))) - (7 + 7)/7 \\
&:= 8/8 + ((888 - 8 \times 8) + 888) \\
&:= (9 + 9) \times 99 + (((99 + 9)/9) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1714 &:= (1 + 1)^{11} - (1 + (1 + 1 + 1) \times 111) \\
&:= (2 \times 22)^2 - 222 \\
&:= (3 \times 3 + 3)^3 - (33/3 + 3) \\
&:= (4 + 4)/4 + (4 \times (444 - 4 \times 4)) \\
&:= 5^5 - (5 \times (5 \times 55 + 5) + (55/5)) \\
&:= (((6 + 6)/6)^{6+6}) - (6 \times 6 \times 66 + 6) \\
&:= (7 \times (7 \times (7 \times 7 - (7 + 7)))) - 7/7 \\
&:= (((8 + 8)/8) \times (888 + 8/8)) - 8 \times 8 \\
&:= 9 \times 9 \times (9 + 9) + (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1715 &:= (1 + 1)^{11} - (1 + 1 + 1) \times 111 \\
&:= 2/2 + ((2 \times 22)^2 - 222) \\
&:= ((3 - 33)/3) + ((3 \times 3 + 3)^3 - 3) \\
&:= 4 + (4 \times 444 - (4^4 + 4)/4) \\
&:= 5 + (((55 \times (5 \times 5 + 5)) + 55) + 5) \\
&:= 6 + (6 \times 6 \times 66 - (666 + 6/6)) \\
&:= 7 \times (7 \times (7 \times 7 - (7 + 7))) \\
&:= (8 - 8/8) \times ((8 + 8) \times (8 + 8) - (88/8)) \\
&:= 9 \times 9 \times 9 + (999 - ((99 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1716 &:= 11 \times ((1 + 11) \times (1 + 1 + 11)) \\
&:= 2 + ((2 \times 22)^2 - 222) \\
&:= (3 \times 3 + 3)^3 - (3 \times 3 + 3) \\
&:= 4 + (4 \times (444 - 4 \times 4)) \\
&:= (5/5 + 5) \times (5 \times 55 + (55/5)) \\
&:= 6 + (6 \times 6 \times 66 - 666) \\
&:= 7/7 + (7 \times (7 \times (7 \times 7 - (7 + 7)))) \\
&:= 8 \times (8 \times (8 + 8) + 88) - (88 + 8)/8 \\
&:= 9 \times 9 \times 9 + (999 - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1717 &:= ((1 + 11)^{1+1+1}) - 11 \\
&:= 2 + (((2 \times 22)^2 - 222) + 2/2) \\
&:= (3 \times 3 + 3)^3 - 33/3 \\
&:= 4 + ((4 \times (444 - 4 \times 4)) + 4/4) \\
&:= ((55 \times 55 + 5555) + 5)/5 \\
&:= (6 \times 6 \times (6 \times 6 + 6 + 6)) - 66/6 \\
&:= ((7 + 7)/7) + (7 \times (7 \times (7 \times 7 - (7 + 7)))) \\
&:= 8 \times (8 \times (8 + 8) + 88) - 88/8 \\
&:= 9 \times 9 \times 9 + (999 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1718 &:= 1 + (((1 + 11)^{1+1+1}) - 11) \\
&:= 2 + (((2 \times 22)^2 - 222) + 2) \\
&:= ((3 - 33)/3) + (3 \times 3 + 3)^3 \\
&:= 4 + ((4 \times (444 - 4 \times 4)) + (4 + 4)/4) \\
&:= 5^5 - (5 \times 5 \times 55 + ((5 + 5)/5)^5) \\
&:= ((6 - 66)/6) + (6 \times 6 \times (6 \times 6 + 6 + 6)) \\
&:= ((7 + 7 + 7)/7) + (7 \times (7 \times (7 \times 7 - (7 + 7)))) \\
&:= 8 + ((88/8 + 8) \times ((8 + 8)/8 + 88)) \\
&:= 99 + ((9 \times (99 + 9 \times 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1719 &:= 1 + (1 + (((1 + 11)^{1+1+1}) - 11)) \\
&:= (2/2 + 2) \times (((22 + 2)^2) - (2/2 + 2)) \\
&:= (3 \times 3 + 3)^3 - 3 \times 3 \\
&:= ((44 - 4) \times (44 - 4/4)) - 4/4 \\
&:= 55 + (((5 + 5 + 5) \times 555) - 5/5) \\
&:= (((6 - 66) + 6)/6) + (6 \times 6 \times (6 \times 6 + 6 + 6)) \\
&:= 77/7 + ((7 \times (7 \times (7 \times 7 - (7 + 7)))) - 7) \\
&:= (8/8 + 8) \times (8 \times (8 + 8 + 8) - 8/8) \\
&:= 99 + (9 \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1720 &:= 1 + (1 + (1 + (((1 + 11)^{1+1+1}) - 11))) \\
&:= (2 - 22) \times (2 - 2 \times 2 \times 22) \\
&:= 3 + ((3 \times 3 + 3)^3 - 33/3) \\
&:= (44 - 4) \times (44 - 4/4) \\
&:= 5^5 - (5 \times (5 \times 55 + 5) + 5) \\
&:= ((6 + 6)/6 + 6) \times (6 \times 6 \times 6 - 6/6) \\
&:= (7 - ((7 + 7)/7)) \times (7 \times 7 \times 7 + 7/7) \\
&:= 8 \times (8 \times (8 + 8) + 88) - 8 \\
&:= 9/9 + ((9 \times (99 + 9 \times 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1721 &:= 1 + (1 + (1 + (1 + (((1 + 11)^{1+1+1}) - 11)))) \\
&:= (22/2)^2 + (2 \times (22 - 2))^2 \\
&:= (3 \times 3 + 3)^3 - ((3/3 + 3) + 3) \\
&:= 4/4 + ((44 - 4) \times (44 - 4/4)) \\
&:= 5 + ((5/5 + 5) \times (5 \times 55 + (55/5))) \\
&:= (6 \times 6 \times (6 \times 6 + 6 + 6)) - 6/6 - 6 \\
&:= 7 + ((7 \times (7 \times (7 \times 7 - (7 + 7)))) - 7/7) \\
&:= 8/8 + (8 \times (8 \times (8 + 8) + 88) - 8) \\
&:= 9 + ((9 \times ((99 + 9 \times 9) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1722 &:= (1 + (1 + 1 + 11)) \times (1 + (1 + 11^{1+1})) \\
&:= (2/2 + 2) \times (((22 + 2)^2) - 2) \\
&:= (3 \times 3 + 3)^3 - (3 + 3) \\
&:= (4 + 4)/4 + ((44 - 4) \times (44 - 4/4)) \\
&:= (5/5 + 5) \times (((55 + 5)/5) + 5 \times 55) \\
&:= (6 \times 6 \times (6 \times 6 + 6 + 6)) - 6 \\
&:= 7 + (7 \times (7 \times (7 \times 7 - (7 + 7)))) \\
&:= (8 + 8)/8 + (8 \times (8 \times (8 + 8) + 88) - 8) \\
&:= (9/9 + 9 \times 9) \times (((99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1723 &:= ((1+11)^{1+1+1}) - 1 - 1 - 1 - 1 - 1 \\
&:= 2 + ((2 \times (22 - 2))^2 + (22/2)^2) \\
&:= 3/3 + ((3 \times 3 + 3)^3 - (3+3)) \\
&:= 44/4 + (4 \times (444 - 4 \times 4)) \\
&:= (((55+5)/5)^{5-(5+5)/5}) - 5 \\
&:= 6/6 + ((6 \times 6 \times (6 \times 6 + 6 + 6)) - 6) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 - (7+7)))) + 7/7) \\
&:= 8 + ((8 - 8/8) \times ((8+8) \times (8+8) - (88/8))) \\
&:= 9 + (((9+9)/9)^{9-9/9}) + 9 \times 9 \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1724 &:= ((1+11)^{1+1+1}) - 1 - 1 - 1 - 1 \\
&:= 2 + ((2/2+2) \times (((22+2)^2) - 2)) \\
&:= (3 \times 3 + 3)^3 - (3/3+3) \\
&:= (4 \times (4 \times 44 + 4^4)) - 4 \\
&:= 5^5 - (5 \times (5 \times 55 + 5) + 5/5) \\
&:= (6+6)/6 + ((6 \times 6 \times (6 \times 6 + 6 + 6)) - 6) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 - (7+7)))) + ((7+7)/7)) \\
&:= 8 \times (8 \times (8+8) + 88) - (8/((8+8)/8)) \\
&:= (((9+9)/9)^{99/9}) - (9+9) \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1725 &:= ((1+11)^{1+1+1}) - 1 - 1 - 1 \\
&:= (2/2+2) \times (((22+2)^2) - 2/2) \\
&:= (3 \times 3 + 3)^3 - 3 \\
&:= 4/4 + ((4 \times (4 \times 44 + 4^4)) - 4) \\
&:= 5^5 - 5 \times (5 \times 55 + 5) \\
&:= (6 \times 6 \times (6 \times 6 + 6 + 6)) - 6 \times 6 / (6+6) \\
&:= 77 + (((7+7+7)/7)^7) - 7 \times 77 \\
&:= 8 + (8 \times (8 \times (8+8) + 88) - (88/8)) \\
&:= 9 \times 9 \times 9 + (999 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1726 &:= ((1+11)^{1+1+1}) - 1 - 1 \\
&:= ((2/2+2) \times ((22+2)^2)) - 2 \\
&:= 3/3 + ((3 \times 3 + 3)^3 - 3) \\
&:= (4 \times (4 \times 44 + 4^4)) - (4+4)/4 \\
&:= 5^5 + (5/5 - 5 \times (5 \times 55 + 5)) \\
&:= (6 \times 6 \times (6 \times 6 + 6 + 6)) - (6+6)/6 \\
&:= 77/7 + (7 \times (7 \times (7 \times 7 - (7+7)))) \\
&:= 8 \times (8 \times (8+8) + 88) - (8+8)/8 \\
&:= 9 \times 9 \times 9 + (999 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1727 &:= ((1+11)^{1+1+1}) - 1 \\
&:= ((2/2+2) \times ((22+2)^2)) - 2/2 \\
&:= (3 \times 3 + 3)^3 - 3/3 \\
&:= (4 \times (4 \times 44 + 4^4)) - 4/4 \\
&:= 5^5 + ((5+5)/5 - 5 \times (5 \times 55 + 5)) \\
&:= (6 \times 6 \times (6 \times 6 + 6 + 6)) - 6/6 \\
&:= 7 + ((7 - ((7+7)/7)) \times (7 \times 7 \times 7 + 7/7)) \\
&:= 8 \times (8 \times (8+8) + 88) - 8/8 \\
&:= 9 \times 9 \times 9 + (999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1728 &:= (1+11)^{1+1+1} \\
&:= (2/2+2) \times ((22+2)^2) \\
&:= (3 \times 3 + 3)^3 \\
&:= 4 \times (4 \times 44 + 4^4) \\
&:= ((55+5)/5)^{5-(5+5)/5} \\
&:= 6 \times 6 \times (6 \times 6 + 6 + 6) \\
&:= ((77+7)/7)^{(7+7+7)/7} \\
&:= 8 \times (8 \times (8+8) + 88) \\
&:= 9 \times 9 \times 9 + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1729 &:= 1 + ((1+11)^{1+1+1}) \\
&:= 2/2 + ((2/2+2) \times ((22+2)^2)) \\
&:= 3/3 + (3 \times 3 + 3)^3 \\
&:= 4/4 + (4 \times (4 \times 44 + 4^4)) \\
&:= 5 + (55 \times (5 \times 5 - 5) + (5^5 - 5)/5) \\
&:= 6/6 + (6 \times 6 \times (6 \times 6 + 6 + 6)) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 - (7+7)))) + 7) \\
&:= 8/8 + 8 \times (8 \times (8+8) + 88) \\
&:= 9/9 + (9 \times 9 \times 9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1730 &:= 1 + (1 + ((1+11)^{1+1+1})) \\
&:= 2 + ((2/2+2) \times ((22+2)^2)) \\
&:= 3 + ((3 \times 3 + 3)^3 - 3/3) \\
&:= (4+4)/4 + (4 \times (4 \times 44 + 4^4)) \\
&:= 5 + (5^5 - 5 \times (5 \times 55 + 5)) \\
&:= (6+6)/6 + (6 \times 6 \times (6 \times 6 + 6 + 6)) \\
&:= 7 + (((7 \times (7 \times (7 \times 7 - (7+7)))) + 7/7) + 7) \\
&:= (8+8)/8 + 8 \times (8 \times (8+8) + 88) \\
&:= 9 \times 9 \times 9 + (((9+9)/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1731 &:= 1 + (1 + (1 + ((1+11)^{1+1+1}))) \\
&:= (2/2+2) \times (((22+2)^2) + 2/2) \\
&:= 3 + (3 \times 3 + 3)^3 \\
&:= 4 \times 444 - (44 + 4/4) \\
&:= (5555 + 5^5)/5 - 5 \\
&:= (6 \times 6 / (6+6)) + (6 \times 6 \times (6 \times 6 + 6 + 6)) \\
&:= 7 + (((7 \times (7 \times (7 \times 7 - (7+7)))) + ((7+7)/7)) + 7) \\
&:= 88/8 + (8 \times (8 \times (8+8) + 88) - 8) \\
&:= 999/9 + (9 \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1732 &:= 1 + (1 + (1 + (1 + ((1+11)^{1+1+1})))) \\
&:= 2 \times ((2 \times 2 \times 222) - 22) \\
&:= 3 + ((3 \times 3 + 3)^3 + 3/3) \\
&:= 4 \times 444 - 44 \\
&:= (((5555 + 5^5) + 5)/5) - 5 \\
&:= 6 + ((6 \times 6 \times (6 \times 6 + 6 + 6)) - ((6+6)/6)) \\
&:= 7 + (((((7+7+7)/7)^7) - 7 \times 77) + 77) \\
&:= (8/((8+8)/8)) + 8 \times (8 \times (8+8) + 88) \\
&:= (9+9) \times 99 - ((9 \times 99 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1733 &:= 1 + (1 + (1 + (1 + (1 + ((1+11)^{1+1+1})))))) \\
&:= 2 + ((2/2+2) \times (((22+2)^2) + 2/2)) \\
&:= 3 + (((3 \times 3 + 3)^3 - 3/3) + 3) \\
&:= 4/4 + (4 \times 444 - 44) \\
&:= 5 + (((55+5)/5)^{5-(5+5)/5}) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 + 6 + 6)) - 6/6) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 - (7+7)))) + (77/7)) \\
&:= 8 \times 8 \times 8 + 88/8 \times 888/8 \\
&:= (9+9) \times 99 + ((9-9 \times 99)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1734 &:= ((1+1) \times (1+1+1)) + ((1+11)^{1+1+1}) \\
&:= (2/2+2) \times (((22+2)^2) + 2) \\
&:= 3 + ((3 \times 3 + 3)^3 + 3) \\
&:= (4+4)/4 + (4 \times 444 - 44) \\
&:= ((5555 - (5+5)) + 5^5)/5 \\
&:= 6 + (6 \times 6 \times (6 \times 6 + 6 + 6)) \\
&:= (7 \times (7 \times 7 \times 7 - 77)) - ((7+7)/7)^7 \\
&:= 8 + (8 \times (8 \times (8+8) + 88) - ((8+8)/8)) \\
&:= ((9-9/9) + 9) \times (999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1735 &:= 1 + (((1+1) \times (1+1+1)) + ((1+11)^{1+1+1})) \\
&:= 2/2 + ((2/2+2) \times (((22+2)^2) + 2)) \\
&:= 3 + (((3 \times 3 + 3)^3 + 3/3) + 3) \\
&:= 4 + 4 \times 444 - (44 + 4/4) \\
&:= (55 \times ((5+5)/5)^5) - 5 \times 5 \\
&:= 6 + ((6 \times 6 \times (6 \times 6 + 6 + 6)) + 6/6) \\
&:= 7 + (((77+7)/7)^{(7+7+7)/7}) \\
&:= 8 + (8 \times (8 \times (8+8) + 88) - 8/8) \\
&:= 9 + ((9 \times 9 \times 9 - ((9+9)/9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1736 &:= 11 + (((1+11)^{1+1+1}) - (1+1+1)) \\
&:= 2222 - (22^2 + 2) \\
&:= 3 \times 3 + ((3 \times 3 + 3)^3 - 3/3) \\
&:= 4 + (4 \times 444 - 44) \\
&:= (5555 + 5^5)/5 \\
&:= ((6+6)/6 + 6) \times (6 \times 6 \times 6 + 6/6) \\
&:= 7 + (((7 \times (7 \times (7 \times 7 - (7+7)))) + 7) + 7) \\
&:= 8 + 8 \times (8 \times (8+8) + 88) \\
&:= 9 + ((999 - 9/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1737 &:= 11 + (((1+11)^{1+1+1}) - (1+1)) \\
&:= 2222 - (22^2 + 2/2) \\
&:= 3 \times 3 + (3 \times 3 + 3)^3 \\
&:= 4 + ((4 \times 444 - 44) + 4/4) \\
&:= (((5555 + 5^5) + 5)/5) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 + 6 + 6)) + (6 \times 6 / (6+6))) \\
&:= 7 + (((((7 \times (7 \times (7 \times 7 - (7+7)))) + 7/7) + 7) + 7) \\
&:= 8 + (8 \times (8 \times (8+8) + 88) + 8/8) \\
&:= 9 + (9 \times 9 \times 9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1738 &:= 11 + (((1+11)^{1+1+1}) - 1) \\
&:= 2222 - 22^2 \\
&:= 3 \times 3 + ((3 \times 3 + 3)^3 + 3/3) \\
&:= 4 + ((4 \times 444 - 44) + (4+4)/4) \\
&:= (((5555 + 5^5) + 5) + 5)/5 \\
&:= ((66 - 6)/6) + (6 \times 6 \times (6 \times 6 + 6 + 6)) \\
&:= 77/7 \times (7 \times (7+7+7) + (77/7)) \\
&:= 8 + (8 \times (8 \times (8+8) + 88) + ((8+8)/8)) \\
&:= 9 + ((9 \times 9 \times 9 + 999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1739 &:= 11 + ((1+11)^{1+1+1}) \\
&:= 2/2 + (2222 - 22^2) \\
&:= 33/3 + (3 \times 3 + 3)^3 \\
&:= 44/4 + (4 \times (4 \times 44 + 4^4)) \\
&:= 5^5 - (5 \times 5 \times 55 + (55/5)) \\
&:= 66/6 + (6 \times 6 \times (6 \times 6 + 6 + 6)) \\
&:= ((77/7 + 7) \times (7 \times (7+7) - 7/7)) - 7 \\
&:= 88/8 + 8 \times (8 \times (8+8) + 88) \\
&:= 9 \times 9 \times 9 + (99/9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1740 &:= 1 + (11 + ((1+11)^{1+1+1})) \\
&:= 2 + (2222 - 22^2) \\
&:= 3 + ((3 \times 3 + 3)^3 + 3 \times 3) \\
&:= (4 \times (444 - (4+4))) - 4 \\
&:= 5^5 - ((5 \times 5 \times 55 + 5) + 5) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 + 6 + 6)) + 6) \\
&:= 7 + (((7 \times (7 \times (7 \times 7 - (7+7)))) + (77/7)) + 7) \\
&:= (88 - 8/8) \times ((88 + 8)/8 + 8) \\
&:= 9 + ((9 \times (99 + 9 \times 9)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1741 &:= 1 + (1 + (11 + ((1+11)^{1+1+1}))) \\
&:= (2 \times 22 - 2)^2 - (22 + 2/2) \\
&:= 3 + (((3 \times 3 + 3)^3 + 3/3) + 3 \times 3) \\
&:= 4/4 + ((4 \times (444 - (4+4))) - 4) \\
&:= 5 + (5555 + 5^5)/5 \\
&:= 6 + (((6 \times 6 \times (6 \times 6 + 6 + 6)) + 6/6) + 6) \\
&:= 77 + ((7 - 7/7 + 7) \times ((7+7)/7)^7) \\
&:= 88 + ((88/8 + 8) \times (88 - 8/8)) \\
&:= 9 \times 9 \times 9 + (9999/9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1742 &:= 1 + (1 + (1 + (11 + ((1+11)^{1+1+1})))) \\
&:= (2 \times 22 - 2)^2 - 22 \\
&:= 3 + ((3 \times 3 + 3)^3 + 33/3) \\
&:= (4 \times (444 - (4+4))) - (4+4)/4 \\
&:= 5 + (((5555 + 5^5) + 5)/5) \\
&:= 6 + (((6+6)/6 + 6) \times (6 \times 6 \times 6 + 6/6)) \\
&:= 7 + (((77+7)/7)^{(7+7+7)/7} + 7) \\
&:= ((8+8)/8) \times (888 - (8/8 + 8 + 8)) \\
&:= ((9+9)/9) \times (9 \times 99 - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1743 &:= 1 + (1 + (1 + (1 + (11 + ((1+11)^{1+1+1})))))) \\
&:= 2/2 + ((2 \times 22 - 2)^2 - 22) \\
&:= 3 + (((3 \times 3 + 3)^3 + 3 \times 3) + 3) \\
&:= (4 \times (444 - (4+4))) - 4/4 \\
&:= 5 + (((5555 + 5^5) + 5) + 5)/5 \\
&:= (6/6 + 6) \times (((6 \times 6/(6+6))^{6-6/6}) + 6) \\
&:= 7 \times (((7+7)/7)^{7+7/7} - 7) \\
&:= 8 + ((8 \times (8 \times (8+8) + 88) - 8/8) + 8) \\
&:= 9 + (((9 - 9/9) + 9) \times (999/9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1744 &:= (111 - 1 - 1) \times (1+1)^{1+1+1+1} \\
&:= 2 + ((2 \times 22 - 2)^2 - 22) \\
&:= 3^3 + ((3 \times 3 + 3)^3 - 33/3) \\
&:= 4 \times (444 - (4+4)) \\
&:= 5^5 - ((5 \times 5 \times 55 + 5/5) + 5) \\
&:= ((6+6)/6 + 6) \times (6 \times 6 \times 6 + (6+6)/6) \\
&:= 7/7 + (7 \times (((7+7)/7)^{7+7/7} - 7)) \\
&:= 8 + (8 \times (8 \times (8+8) + 88) + 8) \\
&:= 9 \times 9 \times 9 + (((9+9)/9)^{9/9+9} - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1745 &:= 1 + ((111 - 1 - 1) \times (1+1)^{1+1+1+1}) \\
&:= 2 + (((2 \times 22 - 2)^2 - 22) + 2/2) \\
&:= 3 + (((3 \times 3 + 3)^3 + 33/3) + 3) \\
&:= 4/4 + (4 \times (444 - (4+4))) \\
&:= 5^5 - (5 \times 5 \times 55 + 5) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 + 6 + 6)) + (66/6)) \\
&:= ((7+7)/7)^7 + (77 \times (7+7+7)) \\
&:= 8 + ((8 \times (8 \times (8+8) + 88) + 8/8) + 8) \\
&:= ((9+9) \times (99 - ((9+9)/9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1746 &:= ((1+11)^{1+1+1}) + (1+1) \times (11 - 1 - 1) \\
&:= 2 + (((2 \times 22 - 2)^2 - 22) + 2) \\
&:= (3 \times (3+3)) + (3 \times 3 + 3)^3 \\
&:= (4+4)/4 + (4 \times (444 - (4+4))) \\
&:= 5 + ((5555 + 5^5)/5 + 5) \\
&:= 666 + (6 \times 6 \times (6 \times 6 - 6)) \\
&:= (77/7 + 7) \times (7 \times (7+7) - 7/7) \\
&:= ((8+8)/8) \times ((888 - (8+8)) + 8/8) \\
&:= (9+9) \times (99 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1747 &:= ((1+1) \times (11 - 1)) + (((1+11)^{1+1+1}) - 1) \\
&:= (2 \times 22 - 2)^2 - (2^{2+2} + 2/2) \\
&:= 3/3 + ((3 \times 3 + 3)^3 + (3 \times (3+3))) \\
&:= 4 + ((4 \times (444 - (4+4))) - 4/4) \\
&:= ((5555 + 55) + 5^5)/5 \\
&:= 66 + (((6 \times 6 - 6/6) + 6)^{(6+6)/6}) \\
&:= 7/7 + (((77/7 + 7) \times (7 \times (7+7) - 7/7))) \\
&:= 8 + (8 \times (8 \times (8+8) + 88) + (88/8)) \\
&:= 9/9 + ((9+9) \times (99 - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1748 &:= ((1+1) \times (11 - 1)) + (((1+11)^{1+1+1}) \\
&:= (2 \times 22 - 2)^2 - 2^{2+2} \\
&:= 3 \times 3 + ((3 \times 3 + 3)^3 + 33/3) \\
&:= 4 + (4 \times (444 - (4+4))) \\
&:= 5^5 - (5 \times 5 \times 55 + ((5+5)/5)) \\
&:= 6 + (((6+6)/6 + 6) \times (6 \times 6 \times 6 + 6/6)) + 6) \\
&:= (77 - 7/7) \times (((7+7)/7 + 7) + 7) \\
&:= 8 + ((88 - 8/8) \times ((88 + 8)/8 + 8)) \\
&:= (9/9 + 9 + 9) \times ((99/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1749 &:= 11 + (11 + (((1+11)^{1+1+1}) - 1)) \\
&:= 2/2 + ((2 \times 22 - 2)^2 - 2^{2+2}) \\
&:= 3 + ((3 \times 3 + 3)^3 + (3 \times (3+3))) \\
&:= (4 \times (444 - 4)) - 44/4 \\
&:= 5^5 - (5 \times 5 \times 55 + 5/5) \\
&:= 66/6 \times ((666/6 + 6 \times 6 + 6) + 6) \\
&:= 77/7 \times ((777 - 7)/7 + 7 \times 7) \\
&:= 88/8 \times (((88 - 8/8) + 8 \times 8) + 8) \\
&:= 99/9 \times (9 \times (9+9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1750 &:= 11 + (11 + ((1+11)^{1+1+1})) \\
&:= 2 + ((2 \times 22 - 2)^2 - 2^{2+2}) \\
&:= 33 + ((3 \times 3 + 3)^3 - 33/3) \\
&:= (4 - 44)/4 + (4 \times (444 - 4)) \\
&:= 5^5 - 5 \times 5 \times 55 \\
&:= (6/6 + 6) \times (6 \times (6 \times 6 + 6) - ((6+6)/6)) \\
&:= (7+7) \times (777/7 + 7+7) \\
&:= 8 \times (88 - 8) + (8888 - 8)/8 \\
&:= 9 \times (9 \times 9 - 9) + (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1751 &:= 1 + (11 + (11 + ((1+11)^{1+1+1}))) \\
&:= (2 \times 22 - 2)^2 - (22/2 + 2) \\
&:= 3^3 + ((3 \times 3 + 3)^3 - (3/3 + 3)) \\
&:= (4 \times (444 - 4)) - ((4/4 + 4) + 4) \\
&:= 5^5 + (5/5 - 5 \times 5 \times 55) \\
&:= (66/6 + 6) \times ((6 \times 6 + 66) + 6/6) \\
&:= 7/7 + ((7+7) \times (777/7 + 7+7)) \\
&:= 8 \times (88 - 8) + 8888/8 \\
&:= ((9 - 9/9) + 9) \times (((999 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1752 &:= (1+11) \times (1 + (1 + (1+11)^{1+1})) \\
&:= 2 \times (2 \times ((2 \times (222 - 2)) - 2)) \\
&:= 3^3 + ((3 \times 3 + 3)^3 - 3) \\
&:= (4 \times (444 - 4)) - 4 - 4 \\
&:= 5^5 + ((5+5)/5 - 5 \times 5 \times 55) \\
&:= (6 \times 6 + 6) \times (6 \times 6 + 6) - 6 - 6 \\
&:= 7 + ((77 \times (7+7+7)) + ((7+7)/7)^7) \\
&:= 88 + ((8+8) \times (88 + 8 + 8)) \\
&:= 9 \times 9 + ((9+9) \times 99 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1753 &:= 1 + ((1 + 11) \times (1 + (1 + (1 + 11)^{1+1}))) \\
&:= (2 \times 22 - 2)^2 - 22/2 \\
&:= 3^3 + (((3 \times 3 + 3)^3 - 3) + 3/3) \\
&:= 4 + ((4 \times (444 - 4)) - 44/4) \\
&:= 5 + (5^5 - (5 \times 5 \times 55 + ((5 + 5)/5))) \\
&:= (6 \times 6 + 6) \times (6 \times 6 + 6) - 66/6 \\
&:= ((7 + 7) \times (77 + 7 \times 7)) - 77/7 \\
&:= 8/8 + (((8 + 8) \times (88 + 8 + 8)) + 88) \\
&:= 9 \times 9 \times 9 + (((9 + 9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1758 &:= (1 + 1) \times ((11 - 1)^{1+1+1} - 11^{1+1}) \\
&:= (2 \times 22 - 2)^2 - (2 + 2 + 2) \\
&:= 3 + ((3 \times 3 + 3)^3 + 3^3) \\
&:= (4 \times (444 - 4)) - (4 + 4)/4 \\
&:= (55 \times ((5 + 5)/5)^5) - (5 + 5)/5 \\
&:= (6 \times 6 + 6) \times (6 \times 6 + 6) - 6 \\
&:= 7/7 + (((7 + 7) \times (77 + 7 \times 7)) - 7) \\
&:= ((8 + 8)/8) \times (888 - 8/8 - 8) \\
&:= ((9 + 9)/9) \times (9 \times 99 - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1763 &:= (((1 + 1) \times (11 + (11 - 1)))^{1+1}) - 1 \\
&:= (2 \times 22 - 2)^2 - 2/2 \\
&:= 3 + (((3 \times 3 + 3)^3 - 3/3) + 33) \\
&:= 4 + ((4 \times (444 - 4)) - 4/4) \\
&:= 5 + ((55 \times ((5 + 5)/5)^5) - ((5 + 5)/5)) \\
&:= (6 \times 6 + 6) \times (6 \times 6 + 6) - 6/6 \\
&:= ((7 + 7) \times (77 + 7 \times 7)) - 7/7 \\
&:= 8 + ((8/8 + 8 \times 8) \times (88/8 + 8 + 8)) \\
&:= (9 + 9) \times 99 - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1754 &:= 1 + (1 + ((1 + 11) \times (1 + (1 + (1 + 11)^{1+1})))) \\
&:= (2 \times (2 \times 2 \times 222)) - 22 \\
&:= 3^3 + ((3 \times 3 + 3)^3 - 3/3) \\
&:= 4 \times 444 - (44/((4 + 4)/4)) \\
&:= 5 + (5^5 - (5 \times 5 \times 55 + 5/5)) \\
&:= ((6 - 66)/6) + (6 \times 6 + 6) \times (6 \times 6 + 6) \\
&:= ((7 - 77)/7) + ((7 + 7) \times (77 + 7 \times 7)) \\
&:= ((8 + 8)/8) \times (888 - 88/8) \\
&:= (9 + 9) \times 99 - ((9/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1759 &:= ((111 - 1) \times (1 + 1)^{1+1+1+1}) - 1 \\
&:= (2 \times 22 - 2)^2 - (2/2 + 2 + 2) \\
&:= 3 + (((3 \times 3 + 3)^3 + 3^3) + 3/3) \\
&:= (4 \times (444 - 4)) - 4/4 \\
&:= (55 \times ((5 + 5)/5)^5) - 5/5 \\
&:= 6/6 + ((6 \times 6 + 6) \times (6 \times 6 + 6) - 6) \\
&:= ((7 + 7)/7) + (((7 + 7) \times (77 + 7 \times 7)) - 7) \\
&:= (88 \times ((88 + 8)/8 + 8)) - 8/8 \\
&:= 9 \times (9 \times 9 - 9) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1764 &:= ((1 + 1) \times (11 + (11 - 1)))^{1+1} \\
&:= ((2 \times 22) - 2)^2 \\
&:= 3 + ((3 \times 3 + 3)^3 + 33) \\
&:= 4 + (4 \times (444 - 4)) \\
&:= 5 + ((55 \times ((5 + 5)/5)^5) - 5/5) \\
&:= (6 \times 6 + 6) \times (6 \times 6 + 6) \\
&:= (7 + 7) \times (77 + 7 \times 7) \\
&:= 888 + (888 - ((88 + 8)/8)) \\
&:= (9 + 9) \times (99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1755 &:= (11 - 1 - 1) \times ((1 + 1 + 1 + 11)^{1+1} - 1) \\
&:= 2 + ((2 \times 22 - 2)^2 - 22/2) \\
&:= 3^3 + (3 \times 3 + 3)^3 \\
&:= (4 \times (444 - 4)) - (4/4 + 4) \\
&:= 5 + (5^5 - 5 \times 5 \times 55) \\
&:= (6/6 - 66) \times (6 - (66 \times 6/(6 + 6))) \\
&:= (7 - 7/7 + 7) \times (((7 + 7)/7)^7 + 7) \\
&:= (8/8 + 8 \times 8) \times (88/8 + 8 + 8) \\
&:= (9 + 9) \times 99 - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1760 &:= (111 - 1) \times (1 + 1)^{1+1+1+1} \\
&:= 2 \times (2 \times (2 \times (222 - 2))) \\
&:= 33 + ((3 \times 3 + 3)^3 - 3/3) \\
&:= 4 \times (444 - 4) \\
&:= 55 \times ((5 + 5)/5)^5 \\
&:= (6 + 6)/6 + ((6 \times 6 + 6) \times (6 \times 6 + 6) - 6) \\
&:= 77/7 \times (777/7 + 7 \times 7) \\
&:= 88 \times ((88 + 8)/8 + 8) \\
&:= 99/9 \times (9 \times (9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1765 &:= 1 + (((1 + 1) \times (11 + (11 - 1)))^{1+1}) \\
&:= 2/2 + (2 \times 22 - 2)^2 \\
&:= 3 + (((3 \times 3 + 3)^3 + 33) + 3/3) \\
&:= 4 \times 444 - 44/4 \\
&:= 5 + (55 \times ((5 + 5)/5)^5) \\
&:= 6/6 + (6 \times 6 + 6) \times (6 \times 6 + 6) \\
&:= 7/7 + ((7 + 7) \times (77 + 7 \times 7)) \\
&:= 888 + (888 - 88/8) \\
&:= 9/9 + ((9 + 9) \times (99 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1756 &:= 1 + (11 - 1 - 1) \times ((1 + 1 + 1 + 11)^{1+1} - 1) \\
&:= 2 \times (2 \times (((22 - 2/2)^2) - 2)) \\
&:= 3^3 + ((3 \times 3 + 3)^3 + 3/3) \\
&:= (4 \times (444 - 4)) - 4 \\
&:= 5 + ((5^5 - 5 \times 5 \times 55) + 5/5) \\
&:= ((6 + 6)/6)^6 + (6 \times (6 \times 6 \times 6 + 66)) \\
&:= ((7 + 7) \times (77 + 7 \times 7)) - (7/7 + 7) \\
&:= ((8 + 8)/8) \times ((8 - 88)/8 + 888) \\
&:= 9/9 + ((9 + 9) \times 99 - (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1761 &:= 1 + ((111 - 1) \times (1 + 1)^{1+1+1+1}) \\
&:= (2 \times 22 - 2)^2 - 2/2 - 2 \\
&:= 33 + (3 \times 3 + 3)^3 \\
&:= 4/4 + (4 \times (444 - 4)) \\
&:= 5/5 + (55 \times ((5 + 5)/5)^5) \\
&:= (6 \times 6 + 6) \times (6 \times 6 + 6) - 6 \times 6/(6 + 6) \\
&:= ((7 + 7 + 7)/7) \times (7 \times (77 + 7) - 7/7) \\
&:= 8/8 + (88 \times ((88 + 8)/8 + 8)) \\
&:= (9 + 9) \times 99 - (((99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1766 &:= 1 + (1 + ((1 + 1) \times (11 + (11 - 1)))^{1+1}) \\
&:= 2 + (2 \times 22 - 2)^2 \\
&:= 3^3 + ((3 \times 3 + 3)^3 + 33/3) \\
&:= (4 - 44)/4 + 4 \times 444 \\
&:= 5 + ((55 \times ((5 + 5)/5)^5) + 5/5) \\
&:= (6 + 6)/6 + (6 \times 6 + 6) \times (6 \times 6 + 6) \\
&:= ((7 + 7)/7) + ((7 + 7) \times (77 + 7 \times 7)) \\
&:= (((8 + 8)/8) \times (888 - 8/8)) - 8 \\
&:= (9 + 9)/9 + ((9 + 9) \times (99 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1757 &:= (1 + 1)^{11} - (1 + ((1 + 1) \times (1 + (1 + 11)^{1+1}))) \\
&:= 2 + (((2 \times 22 - 2)^2 - 22/2) + 2) \\
&:= 3 + (((3 \times 3 + 3)^3 - 3/3) + 3^3) \\
&:= 4/4 + ((4 \times (444 - 4)) - 4) \\
&:= 5 + (((5 + 5)/5 - 5 \times 5 \times 55) + 5^5) \\
&:= (6/6 + 6) \times (6 \times (6 \times 6 + 6) - 6/6) \\
&:= ((7 + 7) \times (77 + 7 \times 7)) - 7 \\
&:= 888 + (888 - (88/8 + 8)) \\
&:= 9 + ((9/9 + 9 + 9) \times ((99/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1762 &:= (((1 + 1) \times (11 + (11 - 1)))^{1+1}) - 1 - 1 \\
&:= (2 \times 22 - 2)^2 - 2 \\
&:= 3/3 + ((3 \times 3 + 3)^3 + 33) \\
&:= (4 + 4)/4 + (4 \times (444 - 4)) \\
&:= (5 + 5)/5 + (55 \times ((5 + 5)/5)^5) \\
&:= (6 \times 6 + 6) \times (6 \times 6 + 6) - (6 + 6)/6 \\
&:= ((7 + 7) \times (77 + 7 \times 7)) - (7 + 7)/7 \\
&:= ((8 + 8)/8) \times ((888 - 8) + 8/8) \\
&:= (9 + 9) \times 99 - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1767 &:= 1 + (1 + (1 + ((1 + 1) \times (11 + (11 - 1)))^{1+1}))) \\
&:= 2 + ((2 \times 22 - 2)^2 + 2/2) \\
&:= 3 + (((3 \times 3 + 3)^3 + 33) + 3) \\
&:= 4 \times 444 - ((4/4 + 4) + 4) \\
&:= 5 + ((55 \times ((5 + 5)/5)^5) + ((5 + 5)/5)) \\
&:= (6 \times 6/(6 + 6)) + (6 \times 6 + 6) \times (6 \times 6 + 6) \\
&:= 7 + (77/7 \times (777/7 + 7 \times 7)) \\
&:= 888 + (888 - 8/8 - 8) \\
&:= (9 + 9) \times 99 + (((9 + 9 + 9)/9) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1768 &:= (1+1)^{1+1+1} \times ((1+1) \times 111 - 1) \\
&:= 2 + ((2 \times 22 - 2)^2 + 2) \\
&:= 3 + (((3 \times 3 + 3)^3 + 33) + 3/3) + 3) \\
&:= 4 \times 444 - 4 - 4 \\
&:= (((5+5)/5)^{55/5}) - (5 \times 55 + 5) \\
&:= 6 + ((6 \times 6 + 6) \times (6 \times 6 + 6) - ((6+6)/6)) \\
&:= 77/7 + (((7+7) \times (77+7 \times 7)) - 7) \\
&:= 888 + 888 - 8 \\
&:= 9 + (9999/9 + 9 \times (9 \times 9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1769 &:= 1 + ((1+1)^{1+1+1} \times ((1+1) \times 111 - 1)) \\
&:= 2 + (((2 \times 22 - 2)^2 + 2/2) + 2) \\
&:= 3 + (((3 \times 3 + 3)^3 + 33/3) + 3^3) \\
&:= 4 + (4 \times 444 - 44/4) \\
&:= 5 + (((55 \times ((5+5)/5)^5) - 5/5) + 5) \\
&:= 6 + ((6 \times 6 + 6) \times (6 \times 6 + 6) - 6/6) \\
&:= 7 + (((7+7) \times (77+7 \times 7)) - ((7+7)/7)) \\
&:= 8/8 + ((888 - 8) + 888) \\
&:= (9+9) \times 99 - ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1770 &:= (11-1) \times (1 + (11 \times (1+1)^{1+1+1})) \\
&:= 2 + (((2 \times 22 - 2)^2 + 2) + 2) \\
&:= 3 \times 3 + ((3 \times 3 + 3)^3 + 33) \\
&:= 4 \times 444 - ((4+4)/4 + 4) \\
&:= 5 + ((55 \times ((5+5)/5)^5) + 5) \\
&:= 6 + (6 \times 6 + 6) \times (6 \times 6 + 6) \\
&:= 7 + (((7+7) \times (77+7 \times 7)) - 7/7) \\
&:= (((8+8)/8) \times (888 + 8/8)) - 8 \\
&:= (9+9) \times 99 - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1771 &:= 11 \times (((1+1) \times (11-1-1)^{1+1}) - 1) \\
&:= (2 \times ((2 \times 22 - 2) - 2)) - 2/2 \\
&:= 33/3 \times ((3+3) \times 3^3 - 3/3) \\
&:= 4 \times 444 - (4/4 + 4) \\
&:= 55/5 + (55 \times ((5+5)/5)^5) \\
&:= 6 + ((6 \times 6 + 6) \times (6 \times 6 + 6) + 6/6) \\
&:= 7 + ((7+7) \times (77+7 \times 7)) \\
&:= 88/8 + (88 \times ((88+8)/8 + 8)) \\
&:= (9+9) \times 99 - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1772 &:= 1 + (11 \times (((1+1) \times (11-1-1)^{1+1}) - 1)) \\
&:= 2 \times ((2 \times 22 - 2) - 2) \\
&:= 33 + ((3 \times 3 + 3)^3 + 33/3) \\
&:= 4 \times 444 - 4 \\
&:= ((55+5)/5) + (55 \times ((5+5)/5)^5) \\
&:= 6 + ((6 \times 6 + 6) \times (6 \times 6 + 6) + ((6+6)/6)) \\
&:= 7 + (((7+7) \times (77+7 \times 7)) + 7/7) \\
&:= ((8+8)/8) \times (888 - ((8+8)/8)) \\
&:= (9+9) \times 99 - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1773 &:= (1+1)^{11} - (11 \times (1 + ((1+1) \times (1+11)))) \\
&:= 2/2 + (2 \times ((2 \times 2 \times 222) - 2)) \\
&:= 3 \times (3 \times 33 \times (3+3) - 3) \\
&:= 4/4 + (4 \times 444 - 4) \\
&:= (((5+5)/5)^{55/5}) - 5 \times 55 \\
&:= 6 + ((6 \times 6 + 6) \times (6 \times 6 + 6) + (6 \times 6/(6+6))) \\
&:= 7 + (((7+7) \times (77+7 \times 7)) + ((7+7)/7)) \\
&:= 8 + ((888 - 88/8) + 888) \\
&:= (9+9) \times 99 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1774 &:= (1+1) \times ((111 \times (1+1)^{1+1+1}) - 1) \\
&:= (2 \times (2 \times 2 \times 222)) - 2 \\
&:= 3/3 + (3 \times (3 \times 33 \times (3+3) - 3)) \\
&:= 4 \times 444 - (4+4)/4 \\
&:= 5^5 + ((5 \times (5 - 5 \times 55)) - 5/5) \\
&:= ((66 - 6)/6) + (6 \times 6 + 6) \times (6 \times 6 + 6) \\
&:= ((77 - 7)/7) + ((7+7) \times (77+7 \times 7)) \\
&:= ((8+8)/8) \times (888 - 8/8) \\
&:= 9/9 + ((9+9) \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1775 &:= (111 \times (1+1)^{1+1+1+1}) - 1 \\
&:= 22/2 + (2 \times 22 - 2)^2 \\
&:= (((3+3) \times ((33 \times 3^3) - 3)) - 3)/3 \\
&:= 4 \times 444 - 4/4 \\
&:= 5 \times ((5 \times (55+5)) + 55) \\
&:= 66/6 + (6 \times 6 + 6) \times (6 \times 6 + 6) \\
&:= 77/7 + ((7+7) \times (77+7 \times 7)) \\
&:= 888 + (888 - 8/8) \\
&:= (9+9)/9 + ((9+9) \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1776 &:= 111 \times (1+1)^{1+1+1+1} \\
&:= 2 \times (2 \times 2 \times 222) \\
&:= 3 + (3 \times (3 \times 33 \times (3+3) - 3)) \\
&:= 4 \times 444 \\
&:= (55/5 + 5) \times 555/5 \\
&:= 6 + ((6 \times 6 + 6) \times (6 \times 6 + 6) + 6) \\
&:= 777/7 \times (((7+7)/7 + 7) + 7) \\
&:= (8+8) \times 888/8 \\
&:= (9+9) \times 99 + (((9+9+9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1777 &:= 1 + (111 \times (1+1)^{1+1+1+1}) \\
&:= 2/2 + (2 \times (2 \times 2 \times 222)) \\
&:= (((3+3) \times ((33 \times 3^3) - 3)) + 3)/3 \\
&:= 4/4 + 4 \times 444 \\
&:= (555 \times (55/5 + 5) + 5)/5 \\
&:= 666 + (6666/6) \\
&:= 7 + (((7+7) \times (77+7 \times 7)) - 7/7) + 7) \\
&:= 8/8 + (888 + 888) \\
&:= (9+9) \times 99 + ((9-99)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1778 &:= 1 + (1 + (111 \times (1+1)^{1+1+1+1})) \\
&:= 2 + (2 \times (2 \times 2 \times 222)) \\
&:= (3 \times 3 \times 33 \times (3+3)) - (3/3 + 3) \\
&:= (4+4)/4 + 4 \times 444 \\
&:= 5 + (((5+5)/5)^{55/5}) - 5 \times 55 \\
&:= 666 + (6666 + 6)/6 \\
&:= 7 + (((7+7) \times (77+7 \times 7)) + 7) \\
&:= ((8+8)/8) \times (888 + 8/8) \\
&:= ((9+9)/9) \times (9 \times 99 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1779 &:= 1 + (1 + (1 + (111 \times (1+1)^{1+1+1+1}))) \\
&:= 2 + ((2 \times (2 \times 2 \times 222)) + 2/2) \\
&:= (3 \times 3 \times 33 \times (3+3)) - 3 \\
&:= 4 + (4 \times 444 - 4/4) \\
&:= 5 + (((5 \times (5 - 5 \times 55)) - 5/5) + 5^5) \\
&:= 666 + (((6666 + 6) + 6)/6) \\
&:= 7 + (((7+7) \times (77+7 \times 7)) + 7/7) + 7) \\
&:= 8/8 + (((8+8)/8) \times (888 + 8/8)) \\
&:= (9+9) \times 99 - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1780 &:= (1+1) \times ((11 \times (11-1-1)^{1+1}) - 1) \\
&:= 2 \times ((2 \times 2 \times 222) + 2) \\
&:= 3/3 + ((3 \times 3 \times 33 \times (3+3)) - 3) \\
&:= 4 + 4 \times 444 \\
&:= 5 + ((5 \times (5 - 5 \times 55)) + 5^5) \\
&:= 6 + ((6 \times 6 + 6) \times (6 \times 6 + 6) + ((66 - 6)/6)) \\
&:= ((7+7) \times ((7+7)/7)^7) - (77+7)/7 \\
&:= ((8+8)/8) \times (888 + ((8+8)/8)) \\
&:= (9+9) \times 99 - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1781 &:= ((1+1) \times (11 \times (11-1-1)^{1+1})) - 1 \\
&:= 2/2 + (2 \times ((2 \times 2 \times 222) + 2)) \\
&:= (3 \times 3 \times 33 \times (3+3)) - 3/3 \\
&:= 4 + (4 \times 444 + 4/4) \\
&:= 5 + ((55/5 + 5) \times 555/5) \\
&:= 6 + ((6 \times 6 + 6) \times (6 \times 6 + 6) + (66/6)) \\
&:= ((7+7) \times ((7+7)/7)^7) - 77/7 \\
&:= (8 \times ((8 \times (8+8) + 88) + 8)) - 88/8 \\
&:= (9+9) \times 99 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1782 &:= (1+1) \times (11 \times (11-1-1)^{1+1}) \\
&:= 22 \times ((2/2 + 2)^{2+2}) \\
&:= 3 \times 3 \times 33 \times (3+3) \\
&:= 4 + (4 \times 444 + (4+4)/4) \\
&:= 5 + ((555 \times (55/5 + 5) + 5)/5) \\
&:= 66 \times ((66 \times 6/(6+6)) - 6) \\
&:= (77/7 + 7) \times (7 \times (7+7) + 7/7) \\
&:= 8 + (((8+8)/8) \times (888 - 8/8)) \\
&:= (9+9) \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1783 &:= 1 + ((1+1) \times (11 \times (11-1-1)^{1+1})) \\
&:= 2/2 + (22 \times ((2/2+2)^{2+2})) \\
&:= 3/3 + (3 \times 3 \times 33 \times (3+3)) \\
&:= 4 + ((4 \times 444 - 4/4) + 4) \\
&:= 55 + (((55+5)/5)^{5-(5+5)/5}) \\
&:= 6 + ((6666/6) + 666) \\
&:= 7 + (777/7 \times (((7+7)/7+7) + 7)) \\
&:= 8 + ((888 - 8/8) + 888) \\
&:= 9/9 + (9+9) \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1784 &:= (1+1) \times (1 + (11 \times (11-1-1)^{1+1})) \\
&:= 2 \times (2 \times (2 \times 222 + 2)) \\
&:= 3 + ((3 \times 3 \times 33 \times (3+3)) - 3/3) \\
&:= 4 + (4 \times 444 + 4) \\
&:= 5 \times 5 + ((55 \times ((5+5)/5)^5) - 5/5) \\
&:= 6 + ((6666 + 6)/6 + 666) \\
&:= ((7+7) \times ((7+7)/7)^7) - (7/7 + 7) \\
&:= 8 + (888 + 888) \\
&:= (9+9)/9 + (9+9) \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1785 &:= 1 + ((1+1) \times (1 + (11 \times (11-1-1)^{1+1}))) \\
&:= 22 + ((2 \times 22 - 2)^2 - 2/2) \\
&:= 3 + (3 \times 3 \times 33 \times (3+3)) \\
&:= 4 + ((4 \times 444 + 4/4) + 4) \\
&:= 5 \times 5 + (55 \times ((5+5)/5)^5) \\
&:= (66/6 + 6) \times (666/6 - 6) \\
&:= ((7+7) \times ((7+7)/7)^7) - 7 \\
&:= 8 + ((888 + 888) + 8/8) \\
&:= (9+9) \times 99 + ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1786 &:= 11 + ((111 \times (1+1)^{1+1+1+1}) - 1) \\
&:= 22 + (2 \times 22 - 2)^2 \\
&:= 3 + ((3 \times 3 \times 33 \times (3+3)) + 3/3) \\
&:= 4 \times 444 + (44 - 4)/4 \\
&:= 5 + (((55/5+5) \times 555/5) + 5) \\
&:= (((6+6)/6) + 6 \times 6) \times (66/6 + 6 \times 6) \\
&:= 7/7 + (((7+7) \times ((7+7)/7)^7) - 7) \\
&:= 8 + (((8+8)/8) \times (888 + 8/8)) \\
&:= ((9+9)/9) \times (((9+9)/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1787 &:= 11 + (111 \times (1+1)^{1+1+1+1}) \\
&:= 22 + ((2 \times 22 - 2)^2 + 2/2) \\
&:= (((3+3) \times ((33 \times 3^3) + 3)) - 3)/3 \\
&:= 44/4 + 4 \times 444 \\
&:= (((5+5)/5)^5 \times (55 + 5/5)) - 5 \\
&:= (6 - 6 \times 6) \times (6 - 66) - (6/6 + 6 + 6) \\
&:= ((7+7)/7) + (((7+7) \times ((7+7)/7)^7) - 7) \\
&:= 888 + (888 + 88/8) \\
&:= (9+9) \times 99 + ((9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1788 &:= 1 + (11 + (111 \times (1+1)^{1+1+1+1})) \\
&:= 2 + ((2 \times 22 - 2)^2 + 22) \\
&:= 3 + ((3 \times 3 \times 33 \times (3+3)) + 3) \\
&:= (4 \times (444 + 4)) - 4 \\
&:= (5/5 + 5) \times (((5 - (5+5)/5)^5) + 55) \\
&:= (6 - 6 \times 6) \times (6 - 66) - 6 - 6 \\
&:= 7 + (((7+7) \times ((7+7)/7)^7) - (77/7)) \\
&:= ((8 \times 8 \times (8 \times 8 - 8)) - 8)/(8+8)/8 \\
&:= 9 + ((9+9) \times 99 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1789 &:= ((1+1) \times (((11-1) \times (1+1+1))^{1+1})) - 11 \\
&:= 2 + (((2 \times 22 - 2)^2 + 22) + 2/2) \\
&:= ((3/3 + 3)^3) + ((3 \times 3 + 3)^3 - 3) \\
&:= 4/4 + ((4 \times (444 + 4)) - 4) \\
&:= (5 \times 5 + 5) \times (55 + 5) - 55/5 \\
&:= (6 - 6 \times 6) \times (6 - 66) - 66/6 \\
&:= 7 + ((77/7 + 7) \times (7 \times (7+7) + 7/7)) \\
&:= 8 + ((8 \times ((8 \times (8+8) + 88) + 8)) - (88/8)) \\
&:= 9 + ((9+9) \times 99 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1790 &:= (1+1) \times (((1+111) \times (1+1)^{1+1+1}) - 1) \\
&:= (2 \times (2 \times (2 \times (222 + 2)))) - 2 \\
&:= (3 \times (3 \times 33 \times (3+3) + 3)) - 3/3 \\
&:= (4 \times (444 + 4)) - (4 + 4)/4 \\
&:= (5 \times 5 + 5) \times (55 + 5) - 5 - 5 \\
&:= (6 - 6/6) \times (6 \times (66 - 6) - ((6+6)/6)) \\
&:= ((7+7) \times ((7+7)/7)^7) - (7+7)/7 \\
&:= ((8+8)/8) \times (888 - 8/8 + 8) \\
&:= 9 + ((9+9) \times 99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1791 &:= ((1+111) \times (1+1)^{1+1+1+1}) - 1 \\
&:= (2 \times (2 \times (2 \times (222 + 2)))) - 2/2 \\
&:= 3 \times (3 \times 33 \times (3+3) + 3) \\
&:= (4 \times (444 + 4)) - 4/4 \\
&:= 55 + (5555 + 5^5)/5 \\
&:= 6 + ((66/6 + 6) \times (666/6 - 6)) \\
&:= ((7+7) \times ((7+7)/7)^7) - 7/7 \\
&:= (8/8 + 8) \times (888/8 + 88) \\
&:= 9 + (9+9) \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1792 &:= (1+111) \times (1+1)^{1+1+1+1} \\
&:= 2 \times (2 \times (2 \times (222 + 2))) \\
&:= ((3/3 + 3)^3) + (3 \times 3 + 3)^3 \\
&:= 4 \times (444 + 4) \\
&:= ((5+5)/5)^5 \times (55 + 5/5) \\
&:= (6/6 + 6) \times (((6+6)/6)^{6+(6+6)/6}) \\
&:= (7+7) \times ((7+7)/7)^7 \\
&:= 8 \times ((8 \times (8+8) + 88) + 8) \\
&:= 9 + ((9+9) \times 99 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1793 &:= 1 + ((1+111) \times (1+1)^{1+1+1+1}) \\
&:= 2/2 + (2 \times (2 \times (2 \times (222 + 2)))) \\
&:= 33/3 + (3 \times 3 \times 33 \times (3+3)) \\
&:= 4/4 + (4 \times (444 + 4)) \\
&:= 5/5 + (((5+5)/5)^5 \times (55 + 5/5)) \\
&:= (6 - 6 \times 6) \times (6 - 66) - 6/6 - 6 \\
&:= 7/7 + ((7+7) \times ((7+7)/7)^7) \\
&:= 8/8 + (8 \times ((8 \times (8+8) + 88) + 8)) \\
&:= 99/9 + (9+9) \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1794 &:= 1 + (1 + ((1+111) \times (1+1)^{1+1+1+1})) \\
&:= 2 + (2 \times (2 \times (2 \times (222 + 2)))) \\
&:= 3 + (3 \times (3 \times 33 \times (3+3) + 3)) \\
&:= (4 + 4)/4 + (4 \times (444 + 4)) \\
&:= 5^5 - (((55/5)^{5-(5+5)/5}) \\
&:= (6 - 6 \times 6) \times (6 - 66) - 6 \\
&:= ((7+7)/7) + ((7+7) \times ((7+7)/7)^7) \\
&:= ((8+8)/8) \times (888 + 8/8 + 8) \\
&:= (9+9) \times 99 + (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1795 &:= (1+1)^{11} - (11 \times (1 + (11 + 11))) \\
&:= 2 + (((2 \times (2 \times (2 \times (222 + 2)))) + 2/2) \\
&:= 3 + (((3/3 + 3)^3) + (3 \times 3 + 3)^3) \\
&:= 4 + ((4 \times (444 + 4)) - 4/4) \\
&:= (5 \times 5 + 5) \times (55 + 5) - 5 \\
&:= 6/6 + ((6 - 6 \times 6) \times (6 - 66) - 6) \\
&:= (((7+7+7)/7)^7) - 7 \times (7 \times 7 + 7) \\
&:= 8 + ((888 + 888) + (88/8)) \\
&:= (9+9) \times 99 + ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1796 &:= 1 + ((1+1)^{11} - (11 \times (1 + (11 + 11)))) \\
&:= 2 \times ((2 \times (2 \times (222 + 2))) + 2) \\
&:= 3 + ((3 \times 3 \times 33 \times (3+3)) + 33/3) \\
&:= 4 + (4 \times (444 + 4)) \\
&:= 5/5 + ((5 \times 5 + 5) \times (55 + 5) - 5) \\
&:= (6+6)/6 + ((6 - 6 \times 6) \times (6 - 66) - 6) \\
&:= 77/7 + (((7+7) \times ((7+7)/7)^7) - 7) \\
&:= ((8 \times 8 \times (8 \times 8 - 8)) + 8)/(8+8)/8 \\
&:= 9 + (((9 \times 9 + 9)/(9+9)) + (9+9) \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1797 &:= 11 \times 111 + (((1+1) \times (1+1))^{1+1}) \\
&:= 22 + ((2 \times 22 - 2)^2 + 22/2) \\
&:= ((3+3) \times (3 \times 3 \times 33 + 3)) - 3 \\
&:= 4 + ((4 \times (444 + 4)) + 4/4) \\
&:= 5 + (((5+5)/5)^5 \times (55 + 5/5)) \\
&:= (6 - 6 \times 6) \times (6 - 66) - 6 \times 6/(6+6) \\
&:= (7 \times 7 \times (7+7)) + 7777/7 \\
&:= ((88/8 + 8) \times (88 - 8/8 + 8)) - 8 \\
&:= 9 + (((9+9) \times 99 - ((9+9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1798 &:= (1+1) \times (((11-1) \times (1+1+1))^{1+1}) - 1 \\
&:= 22 + (2 \times (2 \times 2 \times 222)) \\
&:= 3 + (((3/3+3)^3) + (3 \times 3+3)^3) + 3 \\
&:= 4 + ((4 \times (444+4)) + (4+4)/4) \\
&:= (5 \times 5+5) \times (55+5) - (5+5)/5 \\
&:= (6-6 \times 6) \times (6-66) - (6+6)/6 \\
&:= 7 + (((7+7) \times ((7+7)/7)^7) - 7/7) \\
&:= ((8+8)/8) \times (888+88/8) \\
&:= 9 + (((9+9) \times 99 - (9+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1799 &:= ((1+1) \times (((11-1) \times (1+1+1))^{1+1})) - 1 \\
&:= (2 \times ((2 \times (2+2) + 22)^2)) - 2/2 \\
&:= (3 \times 3+3)^3 + (((3+3)^3 - 3)/3) \\
&:= ((4-4/4) + 4) \times (4/4+4^4) \\
&:= (5 \times 5+5) \times (55+5) - 5/5 \\
&:= (6-6 \times 6) \times (6-66) - 6/6 \\
&:= 7 + ((7+7) \times ((7+7)/7)^7) \\
&:= (8-8/8) \times ((8+8) \times (8+8) + 8/8) \\
&:= 9 + (((9+9) \times 99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1800 &:= (1+1) \times (((11-1) \times (1+1+1))^{1+1}) \\
&:= 2 \times ((2 \times (2+2) + 22)^2) \\
&:= (3+3) \times (3 \times 3 \times 33+3) \\
&:= 4 + ((4 \times (444+4)) + 4) \\
&:= (5 \times 5+5) \times (55+5) \\
&:= (6-6 \times 6) \times (6-66) \\
&:= 7 + (((7+7) \times ((7+7)/7)^7) + 7/7) \\
&:= 8 + (8 \times ((8 \times (8+8) + 88) + 8)) \\
&:= 9 + ((9+9) \times 99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1801 &:= 1 + ((1+1) \times (((11-1) \times (1+1+1))^{1+1})) \\
&:= 2/2 + (2 \times ((2 \times (2+2) + 22)^2)) \\
&:= 3/3 + ((3+3) \times (3 \times 3 \times 33+3)) \\
&:= 4 + (((4 \times (444+4)) + 4/4) + 4) \\
&:= 5/5 + (5 \times 5+5) \times (55+5) \\
&:= 6/6 + (6-6 \times 6) \times (6-66) \\
&:= 7 + (((7+7) \times ((7+7)/7)^7) + ((7+7)/7)) \\
&:= 8 + ((8 \times ((8 \times (8+8) + 88) + 8)) + 8/8) \\
&:= 9 + (((9+9) \times 99+9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1802 &:= (1+1) \times (1 + (((11-1) \times (1+1+1))^{1+1})) \\
&:= 2 + (2 \times ((2 \times (2+2) + 22)^2)) \\
&:= 3 + (((3+3)^3 - 3)/3) + (3 \times 3+3)^3 \\
&:= (44-4)/4 + (4 \times (444+4)) \\
&:= (5+5)/5 + (5 \times 5+5) \times (55+5) \\
&:= (6+6)/6 + (6-6 \times 6) \times (6-66) \\
&:= 7 + (((7+7+7)/7)^7) - 7 \times (7 \times 7+7) \\
&:= 8 + (((8+8)/8) \times (888+8/8+8)) \\
&:= 9 + ((9+9) \times 99 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1803 &:= 1 + ((1+1) \times (1 + (((11-1) \times (1+1+1))^{1+1}))) \\
&:= ((2 \times 22 + 2/2)^2) - 222 \\
&:= 3 + ((3+3) \times (3 \times 3 \times 33+3)) \\
&:= 44/4 + (4 \times (444+4)) \\
&:= 5 + ((5 \times 5+5) \times (55+5) - ((5+5)/5)) \\
&:= 666/6 + (6 \times (6 \times 6 \times 6+66)) \\
&:= 77/7 + ((7+7) \times ((7+7)/7)^7) \\
&:= 88/8 + (8 \times ((8 \times (8+8) + 88) + 8)) \\
&:= 9 + ((9+9) \times 99 + ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1804 &:= (1+1) \times (11 \times (1 + (11-1-1))^{1+1}) \\
&:= 2 \times (((2 \times (2+2) + 22)^2) + 2) \\
&:= 3 + (((3+3) \times (3 \times 3 \times 33+3)) + 3/3) \\
&:= 44 + (4 \times (444-4)) \\
&:= 5 + ((5 \times 5+5) \times (55+5) - 5/5) \\
&:= 6 + ((6-6 \times 6) \times (6-66) - ((6+6)/6)) \\
&:= 7 + (7777/7 + (7 \times 7 \times (7+7))) \\
&:= 8 + (((8 \times 8 \times (8 \times 8-8)) + 8) / ((8+8)/8)) \\
&:= 99/9 \times (((9+9)/9) + 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1805 &:= (1+1)^{11} - (1 + ((1+1) \times 11^{1+1})) \\
&:= 2^{22/2} - (22^2 + 2)/2 \\
&:= 3 \times 3^3 + ((3 \times 3+3)^3 - (3/3+3)) \\
&:= 44 + ((4 \times (444-4)) + 4/4) \\
&:= 5 + (5 \times 5+5) \times (55+5) \\
&:= 6 + ((6-6 \times 6) \times (6-66) - 6/6) \\
&:= 7 + (((7+7) \times ((7+7)/7)^7) - 7/7) + 7 \\
&:= (88/8+8) \times (88-8/8+8) \\
&:= (9+9) \times 99 + ((99+99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1806 &:= (1+1)^{11} - ((1+1) \times 11^{1+1}) \\
&:= 2^{22/2} - 22^2/2 \\
&:= 3 \times (((33/3)^3) - 3^{3+3}) \\
&:= ((4-4/4) + 4) \times ((4+4)/4 + 4^4) \\
&:= 5 + ((5 \times 5+5) \times (55+5) + 5/5) \\
&:= 6 + (6-6 \times 6) \times (6-66) \\
&:= 7 + (((7+7) \times ((7+7)/7)^7) + 7) \\
&:= 8 + (((8+8)/8) \times (888+88/8)) \\
&:= ((9+9)/9) \times (((99+9)/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1807 &:= 1 + ((1+1)^{11} - ((1+1) \times 11^{1+1})) \\
&:= 2^{22/2} + ((2-22^2)/2) \\
&:= 3/3 + (((3 \times 3+3)^3 - 3) + 3 \times 3^3) \\
&:= (4 \times (444+4+4)) - 4/4 \\
&:= 5 + ((5 \times 5+5) \times (55+5) + ((5+5)/5)) \\
&:= 6 + ((6-6 \times 6) \times (6-66) + 6/6) \\
&:= 7 + (((7+7) \times ((7+7)/7)^7) + 7/7) + 7 \\
&:= 8 \times 88 + (8888/8-8) \\
&:= 9 + (((9+9) \times 99 - ((9+9)/9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1808 &:= (1+1)^{11} - ((1+1) \times (11^{1+1} - 1)) \\
&:= 2 \times (2 \times (2 \times ((222+2) + 2))) \\
&:= 3 \times 3^3 + ((3 \times 3+3)^3 - 3/3) \\
&:= 4 \times (444+4+4) \\
&:= (55/5+5) \times (555+5+5)/5 \\
&:= 6 + ((6-6 \times 6) \times (6-66) + ((6+6)/6)) \\
&:= (7/7+7) \times (((7+7)/7)^7 + 7 \times (7+7)) \\
&:= (8+8) \times ((888+8+8)/8) \\
&:= 9 + (((9+9) \times 99 - 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1809 &:= 1 + ((1+1)^{11} - ((1+1) \times (11^{1+1} - 1))) \\
&:= 2 + (((2-22^2)/2) + 2^{22/2}) \\
&:= 3 \times (3 \times (33 \times (3+3) + 3)) \\
&:= 4/4 + (4 \times (444+4+4)) \\
&:= 5 + (((5 \times 5+5) \times (55+5) - 5/5) + 5) \\
&:= (66+6/6) \times ((66 \times 6/(6+6)) - 6) \\
&:= 7 + (((7+7+7)/7)^7 - 7 \times (7 \times 7+7)) + 7 \\
&:= 8/8 + ((8+8) \times ((888+8+8)/8)) \\
&:= 9 + ((9+9) \times 99+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1810 &:= (11-1) \times (1 + (11 + (1+1+11))^{1+1}) \\
&:= 2 + ((2 \times 22 - 2)^2 + 2 \times 22) \\
&:= 3/3 + ((3 \times 3+3)^3 + 3 \times 3^3) \\
&:= (4+4)/4 + (4 \times (444+4+4)) \\
&:= 5 + ((5 \times 5+5) \times (55+5) + 5) \\
&:= (6-6/6) \times (6 \times (66-6) + ((6+6)/6)) \\
&:= 7 + (((7+7) \times ((7+7)/7)^7) + (77/7)) \\
&:= ((8+8)/8) \times ((888+8/8+8) + 8) \\
&:= 9 + (((9+9) \times 99+9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1811 &:= 11 + ((1+1) \times (((11-1) \times (1+1+1))^{1+1})) \\
&:= 22/2 + (2 \times ((2 \times (2+2) + 22)^2)) \\
&:= 3 + (((3 \times 3+3)^3 - 3/3) + 3 \times 3^3) \\
&:= 4 + ((4 \times (444+4+4)) - 4/4) \\
&:= 55/5 + (5 \times 5+5) \times (55+5) \\
&:= 66/6 + (6-6 \times 6) \times (6-66) \\
&:= 777 + (7777/7 - 77) \\
&:= 8 + ((8 \times ((8 \times (8+8) + 88) + 8)) + (88/8)) \\
&:= 9 + (((9+9) \times 99 + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1812 &:= (1+1+1) \times (11 \times (111-1)/(1+1) - 1) \\
&:= 2 \times ((2 \times (2 \times ((222+2) + 2))) + 2) \\
&:= 3 + ((3 \times 3+3)^3 + 3 \times 3^3) \\
&:= 4 + (4 \times (444+4+4)) \\
&:= (5/5+5) \times ((5 \times (55+5)) + ((5+5)/5)) \\
&:= 6 + ((6-6 \times 6) \times (6-66) + 6) \\
&:= (7 \times (7 \times 7 \times 7 - 77 - 7)) - 7/7 \\
&:= ((88+8)/8) \times ((88-8/8) + 8 \times 8) \\
&:= 9 + (((9+9) \times 99 + ((99+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1813 &:= (1+1)^{11} - (11 + ((1+1) \times (1+111))) \\
&:= (2 \times 22)^2 - ((22/2)^2 + 2) \\
&:= 3 + (((3 \times 3 + 3)^3 + 3 \times 3^3) + 3/3) \\
&:= 4 + ((4 \times (444 + 4 + 4)) + 4/4) \\
&:= (5 \times (5 \times (55 + 5))) + (5^5 + 5)/(5 + 5) \\
&:= 6 + (((6 - 6 \times 6) \times (6 - 66) + 6/6) + 6) \\
&:= 7 \times (7 \times 7 \times 7 - 77 - 7) \\
&:= 8 + ((88/8 + 8) \times (88 - 8/8 + 8)) \\
&:= 9 + (((99 + 99)/9) + (9 + 9) \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1814 &:= (11 \times (11 \times (1 + 1 + 1 + 1 + 11))) - 1 \\
&:= 22 + (2 \times (2 \times (2 \times (222 + 2)))) \\
&:= ((33 \times ((3 + 3) \times 3^3 + 3)) - 3)/3 \\
&:= 4 + ((4 \times (444 + 4 + 4)) + (4 + 4)/4) \\
&:= 55 + ((55 \times ((5 + 5)/5)^5) - 5/5) \\
&:= 6 + (((6 - 6 \times 6) \times (6 - 66) + ((6 + 6)/6)) + 6) \\
&:= 7/7 + (7 \times (7 \times 7 \times 7 - 77 - 7)) \\
&:= 8 \times 88 + (8888 - 8)/8 \\
&:= 9 + (((99 + 99 + 9)/9) + (9 + 9) \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1815 &:= 11 \times (11 \times (1 + 1 + 1 + 1 + 11)) \\
&:= (2 \times 22)^2 - (22/2)^2 \\
&:= 33 + (3 \times 3 \times 33 \times (3 + 3)) \\
&:= 44 + (4 \times 444 - (4/4 + 4)) \\
&:= 55 + (55 \times ((5 + 5)/5)^5) \\
&:= (6 - 6/6) \times 66 \times 66/(6 + 6) \\
&:= (7/7 + 7 + 7) \times (((7 + 7)/7)^7 - 7) \\
&:= 8 \times 88 + 8888/8 \\
&:= 99/9 \times (((9 + 9 + 9)/9) + 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1816 &:= 1 + (11 \times (11 \times (1 + 1 + 1 + 1 + 11))) \\
&:= 2 \times (((2 \times 2 \times 222) - 2) + 22) \\
&:= ((33 \times ((3 + 3) \times 3^3 + 3)) + 3)/3 \\
&:= 44 + (4 \times 444 - 4) \\
&:= 5 + ((5 \times 5 + 5) \times (55 + 5) + (55/5)) \\
&:= ((6 + 6)/6 + 6) \times (6 \times 6 \times 6 + 66/6) \\
&:= 7/7 + ((7/7 + 7 + 7) \times (((7 + 7)/7)^7 - 7)) \\
&:= 88 + 8 \times (8 \times (8 + 8) + 88) \\
&:= 9 \times 9 \times 9 + (((99 \times 99) - (9 + 9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1817 &:= (1+1)^{11} - (11 \times (11 + (11 - 1))) \\
&:= 2 + ((2 \times 22)^2 - (22/2)^2) \\
&:= 3^{3+3} + (33 \times 33 - 3/3) \\
&:= 44 + ((4 \times 444 - 4) + 4/4) \\
&:= 5 \times 5 + (((5 + 5)/5)^5 \times (55 + 5/5)) \\
&:= 6 + (((6 - 6 \times 6) \times (6 - 66) + (66/6)) \\
&:= ((7 \times 7 - 7/7) \times (7 \times 7 - 77/7)) - 7) \\
&:= 8/8 + (8 \times (8 \times (8 + 8) + 88) + 88) \\
&:= 9 \times 9 \times 9 + (((99 \times 99) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1818 &:= 1 + ((1+1)^{11} - (11 \times (11 + (11 - 1)))) \\
&:= ((2 \times (22 + 2))^2) - (22^2 + 2) \\
&:= 3^{3+3} + 33 \times 33 \\
&:= 44 + (4 \times 444 - (4 + 4)/4) \\
&:= (5/5 + 5) \times ((5^5 + 5)/(5 + 5) - (5 + 5)) \\
&:= 6 + (((6 - 6 \times 6) \times (6 - 66) + 6) + 6) \\
&:= (77/7 + 7) \times (7777/77) \\
&:= 8 + (((8 + 8)/8) \times ((888 + 8/8 + 8) + 8)) \\
&:= (9 + 9) \times ((9 + 9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1819 &:= 1 + (1 + ((1+1)^{11} - (11 \times (11 + (11 - 1)))) \\
&:= 2 + (((2 \times 22)^2 - (22/2)^2) + 2) \\
&:= 3/3 + (33 \times 33 + 3^{3+3}) \\
&:= 44 + (4 \times 444 - 4/4) \\
&:= 5^5 - (((5/5 + 5)^{5-5/5} + 5) + 5) \\
&:= (66/6 + 6) \times (6 \times (6 + 6 + 6) - 6/6) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 - 77 - 7)) - 7/7) \\
&:= (8/8 + 8 + 8) \times ((88/8 + 88) + 8) \\
&:= 9/9 + ((9 + 9) \times ((9 + 9)/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1820 &:= (11 - 1) \times ((1 + 1 + 11) \times (1 + (1 + 1 + 11))) \\
&:= 2 \times (2 \times 2 \times 222) + 22) \\
&:= 3 + ((33 \times 33 - 3/3) + 3^{3+3}) \\
&:= 44 + 4 \times 444 \\
&:= (5 \times (5 \times (5 \times (5 + 5 + 5)))) - 55 \\
&:= (6 \times 6 - 6/6) \times (((6 + 6)/6)^6 - (6 + 6)) \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 77 - 7)) \\
&:= (8 - 8/8) \times ((8 \times 8 \times 8 + 8)/(8 + 8)/8) \\
&:= (99/9 + 9) \times ((9/9 + 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1821 &:= (1+1)^{11} - (1 + ((1+1) \times (1 + 1 + 11))) \\
&:= 2/2 + (2 \times ((2 \times 2 \times 222) + 22)) \\
&:= 3 + (33 \times 33 + 3^{3+3}) \\
&:= 44 + (4 \times 444 + 4/4) \\
&:= 5^5 + (((5 - (5^5 + 5^5))/5) - 55) \\
&:= 6 + ((6 - 6/6) \times 66 \times 66/(6 + 6)) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 - 77 - 7)) + 7/7) \\
&:= 8 + (((88/8 + 8) \times (88 - 8/8 + 8)) + 8) \\
&:= 9 + (((9 + 9) \times 99 + ((99 + 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1822 &:= (1+1)^{11} - ((1+1) \times (1 + 1 + 111)) \\
&:= 222 + (2 \times (22 - 2))^2 \\
&:= 3 + ((33 \times 33 + 3^{3+3}) + 3/3) \\
&:= 44 + (4 \times 444 + (4 + 4)/4) \\
&:= 5 + (((5 + 5)/5)^5 \times (55 + 5/5)) + 5 \times 5) \\
&:= 6 + (((6 + 6)/6 + 6) \times (6 \times 6 \times 6 + 66/6)) \\
&:= 7 + ((7/7 + 7 + 7) \times (((7 + 7)/7)^7 - 7)) \\
&:= 8 + ((8888 - 8)/8 + 8 \times 88) \\
&:= 9 \times 9 \times 9 + (9999/9 - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1823 &:= (1+1)^{11} - (1 + ((1+1) \times (1 + 111))) \\
&:= (2 \times 22)^2 - (222/2 + 2) \\
&:= 3 \times 33 + ((3 \times 3 + 3)^3 - (3/3 + 3)) \\
&:= 4 + ((4 \times 444 - 4/4) + 44) \\
&:= ((5/5 + 5) \times (5^5 + 5)/(5 + 5)) - 55 \\
&:= 6 + (((6 - 6 \times 6) \times (6 - 66) + (66/6)) + 6) \\
&:= 77 + ((77/7 + 7) \times (7 \times (7 + 7) - 7/7)) \\
&:= 8 + (8888/8 + 8 \times 88) \\
&:= (9 + 9) \times 99 + ((9 \times 9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1824 &:= (1+1)^{11} - ((1+1) \times (1 + 111)) \\
&:= 2^{22/2} - (222 + 2) \\
&:= 3 \times 33 + ((3 \times 3 + 3)^3 - 3) \\
&:= 4 + (4 \times 444 + 44) \\
&:= 5^5 - (((5/5 + 5)^{5-5/5} + 5) + 5) \\
&:= 66 + ((6 \times 6 + 6) \times (6 \times 6 + 6) - 6) \\
&:= (7 \times 7 - 7/7) \times (7 \times 7 - 77/7) \\
&:= (88 + 8) \times (88/8 + 8) \\
&:= ((99 + 9)/9) \times (9 \times (9 + 9) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1825 &:= (1+1)^{11} - (1 + (1 + 1) \times 111) \\
&:= (2 \times 22)^2 - 222/2 \\
&:= 3/3 + (((3 \times 3 + 3)^3 - 3) + 3 \times 33) \\
&:= 44 \times 44 - 444/4 \\
&:= 5 \times ((5/5 + 5) \times (55 + 5) + 5) \\
&:= (6 - 6/6) \times ((6 \times (66 - 6) - 6/6) + 6) \\
&:= 7 + ((77/7 + 7) \times (7777/77)) \\
&:= 8/8 + ((88 + 8) \times (88/8 + 8)) \\
&:= ((9 + 9) \times (999/9 - 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1826 &:= (1+1)^{11} - (1 + 1) \times 111 \\
&:= 2^{22/2} - 222 \\
&:= 3 \times 33 + ((3 \times 3 + 3)^3 - 3/3) \\
&:= 44 \times 44 + ((4 - 444)/4) \\
&:= 5^5 - (((5 - 5/5)^5 + 5 \times 55) \\
&:= (((6 + 6)/6)^{66/6}) - (6 \times 6 \times 6 + 6) \\
&:= 777/7 + (7 \times (7 \times (7 \times 7 - (7 + 7)))) \\
&:= (8 + 8)/8 + ((88 + 8) \times (88/8 + 8)) \\
&:= 9 + (((99 \times 99) - 9)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1827 &:= 1 + ((1+1)^{11} - (1 + 1) \times 111) \\
&:= (((2 \times 22) - 2/2)^2) - 22 \\
&:= 3 \times 33 + (3 \times 3 + 3)^3 \\
&:= (4 - 4/4) \times ((4/4 + 4)^4 - 4 \times 4) \\
&:= (5 - (5 + 5)/5) \times (((5^5 - 55)/5) - 5) \\
&:= 6 + (((6 - 6/6) \times 66 \times 66/(6 + 6)) + 6) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 - 77 - 7)) + 7) \\
&:= (8/8 + 8) \times (8 \times (8 + 8 + 8) + (88/8)) \\
&:= 9 + ((9 + 9) \times ((9 + 9)/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1828 &:= (1+1)^{11} - ((1+1) \times (111-1)) \\
&:= 2 + (2^{22/2} - 222) \\
&:= 3/3 + ((3 \times 3 + 3)^3 + 3 \times 33) \\
&:= 4 + ((4 \times 444 + 44) + 4) \\
&:= 5^5 - (((5/5 + 5)^{5-5/5}) + 5/5) \\
&:= ((6+6)/6)^6 + (6 \times 6 + 6) \times (6 \times 6 + 6) \\
&:= 7 + (((7 \times (7 \times 7 \times 7 - 77 - 7)) + 7/7) + 7) \\
&:= ((8 \times (8 \times (8 \times 8 - 8) + 8)) + 8)/(8+8)/8) \\
&:= 9 + (((9+9) \times ((9+9)/9 + 99)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1829 &:= 1 + ((1+1)^{11} - ((1+1) \times (111-1))) \\
&:= 2 + (((2 \times 22) - 2/2)^2 - 22) \\
&:= ((33 \times 333 + 3)/(3+3)) - 3 \\
&:= 4 + (44 \times 44 - 444/4) \\
&:= 5^5 - ((5/5 + 5)^{5-5/5}) \\
&:= 66 + ((6 \times 6 + 6) \times (6 \times 6 + 6) - 6/6) \\
&:= 7 + (((7/7 + 7 + 7) \times (((7+7)/7)^7 - 7)) + 7) \\
&:= 8 \times 8 + ((888 - 88/8) + 888) \\
&:= 9 + ((99/9 + 9) \times ((9/9 + 9 \times 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1830 &:= (1+1+1) \times (11 \times 111 - 1)/(1+1) \\
&:= 2 + (2^{22/2} - 222) + 2) \\
&:= 3 + ((3 \times 3 + 3)^3 + 3 \times 33) \\
&:= 4 + (((4 - 444)/4) + 44 \times 44) \\
&:= (5/5 + 5) \times ((5 \times (55 + 5)) + 5) \\
&:= 66 + (6 \times 6 + 6) \times (6 \times 6 + 6) \\
&:= (7 - 7/7) \times (7 \times (7 \times 7 - 7) + (77/7)) \\
&:= (8 - 8/8 + 8) \times ((888 + 88)/8) \\
&:= 9 \times 9 \times 9 + (((9999 - 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1831 &:= ((11 \times (1+1+1) \times 111) - 1)/(1+1) \\
&:= 2 + (((((2 \times 22) - 2/2)^2) - 22) + 2) \\
&:= (33 \times 333 - 3)/(3+3) \\
&:= 44 + (4 \times 444 + 44/4) \\
&:= 5 + (5^5 - ((5 - 5/5)^5 + 5 \times 55)) \\
&:= 66 + ((6 \times 6 + 6) \times (6 \times 6 + 6) + 6/6) \\
&:= 7 + ((7 \times 7 - 7/7) \times (7 \times 7 - 77/7)) \\
&:= 8 + ((8888/8 + 8 \times 88) + 8) \\
&:= 9 \times 9 \times 9 + (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1832 &:= (1 + (11 \times (1+1+1) \times 111))/(1+1) \\
&:= 2 \times (2 \times (22^2 - (22 + 2 + 2))) \\
&:= (33 \times 333 + 3)/(3+3) \\
&:= 44 + ((4 \times (444 + 4)) - 4) \\
&:= ((5+5)/5)^5 + (5 \times 5 + 5) \times (55 + 5) \\
&:= (((6+6)/6)^{66/6}) - 6 \times 6 \times 6 \\
&:= 77 + (((7 - 7/7 + 7) \times (((7+7)/7)^7 + 7)) \\
&:= 8 + ((88 + 8) \times (88/8 + 8)) \\
&:= 9 \times 9 \times 9 + ((9999 + 9)/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1833 &:= (1+1+1) \times (1+11 \times 111)/(1+1) \\
&:= (((2 \times 22) - 2/2)^2) - 2^{2+2} \\
&:= (3 \times ((3+3) \times (3 \times 33 + 3))) - 3 \\
&:= ((44 - 4/4)^{(4+4)/4}) - 4 \times 4 \\
&:= 5 + (5^5 - (((5/5 + 5)^{5-5/5}) + 5/5)) \\
&:= 6 \times 6 \times (66 - 6 - 6) - 666/6 \\
&:= 7 + ((7 \times (7 \times (7 \times 7 - (7+7)))) + 777/7) \\
&:= 8 + (((88 + 8) \times (88/8 + 8)) + 8/8) \\
&:= (9+9) \times (99+9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1834 &:= (1 + (1 + 1 + 11)) \times ((11 \times (1 + 11)) - 1) \\
&:= 2 + (2 \times (2 \times (22^2 - (22 + 2 + 2)))) \\
&:= 3 + ((33 \times 333 - 3)/(3+3)) \\
&:= 44 + ((4 \times (444 + 4)) - (4 + 4)/4) \\
&:= 5 + (5^5 - ((5/5 + 5)^{5-5/5})) \\
&:= (6 + 6 + 6) \times (6 \times 6 + 66) - (6 + 6)/6 \\
&:= 7 \times (((7 \times 7 \times 77) - 7)/(7+7)) - 7) \\
&:= 8 + (((88 + 8) \times (88/8 + 8)) + ((8+8)/8)) \\
&:= ((9+9)/9) \times (999 - (9/9 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1835 &:= 1 + (1+1+1+11) \times (11 \times (1+11) - 1) \\
&:= 2 + (((2 \times 22) - 2/2)^2) - 2^{2+2} \\
&:= 3 + ((33 \times 333 + 3)/(3+3)) \\
&:= 44 + ((4 \times (444 + 4)) - 4/4) \\
&:= 5 \times ((5^5 - 5)/(5+5) + 55) \\
&:= (6 + 6 + 6) \times (6 \times 6 + 66) - 6/6 \\
&:= 7 \times 77 + (7 - 7/7)^{77/7-7} \\
&:= 88/8 + ((88 + 8) \times (88/8 + 8)) \\
&:= ((9+9) \times (999/9 - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1836 &:= (1+11) \times ((11 \times (1 + (1+1+11))) - 1) \\
&:= 2 \times ((2 \times (2 \times (222 + 2))) + 22) \\
&:= 3 \times ((3+3) \times (3 \times 33 + 3)) \\
&:= 44 + (4 \times (444 + 4)) \\
&:= 5/5 + (5 \times ((5^5 - 5)/(5+5) + 55)) \\
&:= (6 + 6 + 6) \times (6 \times 6 + 66) \\
&:= (77 + 7)/7 \times ((77 - 7/7) + 77) \\
&:= ((88 + 8)/8) \times ((8 \times 8 + 88) + 8/8) \\
&:= (9+9) \times (999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1837 &:= 11 \times ((1+1+11)^{1+1} - (1+1)) \\
&:= 22/2 \times (((22/2 + 2)^2) - 2) \\
&:= 3/3 + (3 \times ((3+3) \times (3 \times 33 + 3))) \\
&:= 44 + ((4 \times (444 + 4)) + 4/4) \\
&:= 5 \times 55 + ((5^5 - 5/5)/(5+5)/5) \\
&:= 6/6 + (6 + 6 + 6) \times (6 \times 6 + 66) \\
&:= (((7+7+7)/7)^7) - (7 \times 7 \times 7 + 7) \\
&:= 88/8 \times ((888/8 - 8) + 8 \times 8) \\
&:= 9/9 + ((9+9) \times (999/9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1838 &:= 111 + (((1+11)^{1+1+1}) - 1) \\
&:= (((2 \times 22) - 2/2)^2) - 22/2 \\
&:= (3 \times 3 + 3)^3 + ((333 - 3)/3) \\
&:= 4 \times 444 + (4^4 - 4 - 4)/4 \\
&:= 5 \times 55 + ((5^5 + 5/5)/((5+5)/5)) \\
&:= 6 + (((6+6)/6)^{66/6}) - 6 \times 6 \times 6) \\
&:= 7 + (((7 \times 7 - 7/7) \times (7 \times 7 - 77/7)) + 7) \\
&:= 8 \times 8 + (((8+8)/8) \times (888 - 8/8)) \\
&:= 9 \times 9 \times 9 + ((9999 - (9+9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1839 &:= 111 + ((1+11)^{1+1+1}) \\
&:= 2 + (22/2 \times (((22/2 + 2)^2) - 2)) \\
&:= 3 + (3 \times ((3+3) \times (3 \times 33 + 3))) \\
&:= 4 \times 444 + ((4^4 - 4)/4) \\
&:= 5 + ((5^5 - ((5/5 + 5)^{5-5/5})) + 5) \\
&:= 666/6 + (6 \times 6 \times (6 \times 6 + 6 + 6)) \\
&:= 777 + (7777/7 - 7 \times 7) \\
&:= 8 \times 8 + ((888 - 8/8) + 888) \\
&:= 9 \times 9 \times 9 + ((9999 - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1840 &:= 1 + (111 + ((1+11)^{1+1+1})) \\
&:= 2 \times (2 \times (22^2 - (22 + 2))) \\
&:= 3^{3+3} + 3333/3 \\
&:= 4 \times (444 + 4 \times 4) \\
&:= 5 \times ((5^5 + 5)/(5+5) + 55) \\
&:= ((6 \times 6/(6+6))^6) + (6666/6) \\
&:= 77 + (((7+7) \times (77 + 7 \times 7)) - 7/7) \\
&:= 8 \times 8 + (888 + 888) \\
&:= 9 \times 9 \times 9 + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1841 &:= 1 + (1 + (111 + ((1+11)^{1+1+1}))) \\
&:= (((2 \times 22) - 2/2)^2) - 2 \times (2 + 2) \\
&:= 3^{3+3} + ((3333 + 3)/3) \\
&:= 4/4 + (4 \times (444 + 4 \times 4)) \\
&:= 5/5 + (5 \times ((5^5 + 5)/(5+5) + 55)) \\
&:= 6 + ((6 + 6 + 6) \times (6 \times 6 + 66) - 6/6) \\
&:= 7 \times (((7+7)/7)^{7+7/7}) + 7) \\
&:= 8/8 + ((888 + 888) + 8 \times 8) \\
&:= 9 \times 9 \times 9 + (9999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1842 &:= 1 + (1 + (1 + (111 + ((1+11)^{1+1+1})))) \\
&:= 2 + (2 \times (2 \times (22^2 - (22 + 2)))) \\
&:= (3 \times (3 \times (3+3)^3 - 33)) - 3 \\
&:= (4 + 4)/4 + (4 \times (444 + 4 \times 4)) \\
&:= (5/5 + 5) \times (5^5 - 55)/(5+5) \\
&:= 6 + (6 + 6 + 6) \times (6 \times 6 + 66) \\
&:= (((7/7 - 7) + 7 \times 7)^{(7+7)/7}) - 7) \\
&:= 8 \times 8 + (((8+8)/8) \times (888 + 8/8)) \\
&:= 9 + ((9+9) \times (99+9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1843 &:= 11^{1+1+1} + (1+1)^{11-1-1} \\
&:= (((2 \times 22) - 2/2)^2) - (2+2+2) \\
&:= 3 + (3333/3 + 3^{3+3}) \\
&:= 4 + (4 \times 444 + ((4^4 - 4)/4)) \\
&:= (5 \times (5 \times (5 \times (5+5+5)))) - ((5+5)/5)^5 \\
&:= (((6 \times 6 + 6/6) + 6)^{(6+6)/6}) - 6 \\
&:= ((7+7)/7)^7 + (7 \times (7 \times (7 \times 7 - (7+7)))) \\
&:= (88/8 + 8) \times ((8/8 + 88) + 8) \\
&:= (9/9 + 9 + 9) \times (99 - (9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1844 &:= 1 + (11^{1+1+1} + (1+1)^{11-1-1}) \\
&:= 2 \times ((2 \times (22^2 - 22)) - 2) \\
&:= (3 \times 3^{3+3}) - (((3/3 + 3) + 3)^3) \\
&:= 4 + (4 \times (444 + 4 \times 4)) \\
&:= (5 - 5/5)^5 + ((55 \times (5+5+5)) - 5) \\
&:= 6 + (((((6+6)/6)^{66/6}) - 6 \times 6 \times 6) + 6) \\
&:= (((7+7+7)/7)^7) - 7 \times 7 \times 7 \\
&:= 8 + (((88+8)/8) \times ((8 \times 8 + 88) + 8/8)) \\
&:= (9+9) \times (99+9) - (9/9+99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1845 &:= (1+1+1) \times (11 \times (1+111)/(1+1) - 1) \\
&:= (((2 \times 22) - 2/2)^2) - 2 - 2 \\
&:= 3 \times (3 \times (3+3)^3 - 33) \\
&:= ((44 - 4/4)^{(4+4)/4}) - 4 \\
&:= (5 \times ((5 \times (5 \times (5+5+5))) - 5)) - 5 \\
&:= (6 - 6/6) \times (66 \times 66/(6+6) + 6) \\
&:= 7/7 + (((7+7+7)/7)^7) - 7 \times 7 \times 7 \\
&:= 888 + (88/8 \times (88 - 8/8)) \\
&:= (9+9) \times (99+9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1846 &:= (1+1+11) \times ((1+11)^{1+1} - (1+1)) \\
&:= (2 \times (2 \times (22^2 - 22))) - 2 \\
&:= 3/3 + (3 \times (3 \times (3+3)^3 - 33)) \\
&:= 4 + ((4 \times (444 + 4 \times 4)) + (4+4)/4) \\
&:= ((55 \times 555/5) + 5^5)/5 \\
&:= 6 + (((6 \times 6/(6+6))^6) + (6666/6)) \\
&:= ((7+7)/7) \times ((77 \times (77+7) - 7)/7) \\
&:= 8 + (((8+8)/8) \times (888 - 8/8)) + 8 \times 8 \\
&:= 9/9 + ((9+9) \times (99+9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1847 &:= (11 \times ((1+1+11)^{1+1} - 1)) - 1 \\
&:= (((2 \times 22) - 2/2)^2) - 2 \\
&:= 3 + ((3 \times 3^{3+3}) - (((3/3 + 3) + 3)^3)) \\
&:= (44 \times (44 - (4+4)/4)) - 4/4 \\
&:= 5 + ((5/5 + 5) \times (5^5 - 55)/(5+5)) \\
&:= 66/6 + (6+6+6) \times (6 \times 6 + 66) \\
&:= 777 + (77 \times (7+7) - (7/7+7)) \\
&:= 888 + ((8 \times (8 \times (8+8) - 8)) - 8/8) \\
&:= (9+9)/9 + ((9+9) \times (99+9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1848 &:= 11 \times ((1+1+11)^{1+1} - 1) \\
&:= 2 \times (2 \times (22^2 - 22)) \\
&:= 3 + (3 \times (3 \times (3+3)^3 - 33)) \\
&:= 44 \times (44 - (4+4)/4) \\
&:= (5/5 + 5) \times ((5^5 + 5)/(5+5) - 5) \\
&:= 66 \times (((66+66)/6) + 6) \\
&:= 77 \times (((77-7)/7+7) + 7) \\
&:= 88 \times ((88+8+8)/8+8) \\
&:= 9 + (((9999-9)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1849 &:= (((1+1) \times (11+11)) - 1)^{1+1} \\
&:= ((2 \times 22) - 2/2)^2 \\
&:= ((3 \times 3 + 33) + 3/3)^{3-3/3} \\
&:= (44 - 4/4)^{(4+4)/4} \\
&:= (5 - 5/5)^5 + (55 \times (5+5+5)) \\
&:= ((6 \times 6 + 6/6) + 6)^{(6+6)/6} \\
&:= ((7/7 - 7) + 7 \times 7)^{(7+7)/7} \\
&:= 8/8 + ((8 \times (8 \times (8+8) - 8)) + 888) \\
&:= 9 + (9999/9 + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1850 &:= 1 + (((1+1) \times (11+11)) - 1)^{1+1} \\
&:= 2 + (2 \times (2 \times (22^2 - 22))) \\
&:= (3 \times 3 + 3)^3 + ((3^{3+3} + 3)/(3+3)) \\
&:= 4/4 + ((44 - 4/4)^{(4+4)/4}) \\
&:= 5 \times ((5 \times (5 \times (5+5+5))) - 5) \\
&:= 6/6 + (((6 \times 6 + 6/6) + 6)^{(6+6)/6}) \\
&:= 7/7 + (((7/7 - 7) + 7 \times 7)^{(7+7)/7}) \\
&:= 8 + (((8+8)/8) \times (888 + 8/8)) + 8 \times 8 \\
&:= 9 + (9999 + 9)/9 + 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1851 &:= 1 + (1 + (((1+1) \times (11+11)) - 1)^{1+1}) \\
&:= 2 + (((2 \times 22) - 2/2)^2) \\
&:= (3 \times 3^{3+3}) - (333 + 3) \\
&:= 44/4 + (4 \times (444 + 4 \times 4)) \\
&:= 5/5 + (5 \times ((5 \times (5 \times (5+5+5))) - 5)) \\
&:= ((66/6 + 6) \times 666/6) - 6 \times 6 \\
&:= 7 + (((7+7+7)/7)^7) - 7 \times 7 \times 7 \\
&:= 8 + ((88/8 + 8) \times ((8/8 + 88) + 8)) \\
&:= 9 \times 9 + ((9+9) \times 99 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1852 &:= (1+1) \times ((1+11111)/(1+11)) \\
&:= 2 \times ((2 \times (22^2 - 22)) + 2) \\
&:= 3 + (((3 \times 3 + 33) + 3/3)^{3-3/3}) \\
&:= 4 + (44 \times (44 - (4+4)/4)) \\
&:= (5+5)/5 + (5 \times ((5 \times (5 \times (5+5+5))) - 5)) \\
&:= 666 + ((66 \times (6+6+6)) - ((6+6)/6)) \\
&:= ((7-77)/7) + (7 \times (7 \times 7 - 77)) \\
&:= 88 \times (8+8) + 888/((8+8)/8) \\
&:= 9 \times 9 + ((9+9) \times 99 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1853 &:= 1 + ((1+1) \times ((1+11111)/(1+11))) \\
&:= 2 + (((2 \times 22) - 2/2)^2) + 2 \\
&:= (3 \times 3 + 3)^3 + ((3 - 3/3 + 3)^3) \\
&:= 4 + ((44 - 4/4)^{(4+4)/4}) \\
&:= 5 + ((5/5 + 5) \times ((5^5 + 5)/(5+5) - 5)) \\
&:= 666 + ((66 \times (6+6+6)) - 6/6) \\
&:= 777 + (77 \times (7+7) - ((7+7)/7)) \\
&:= (8/8 + 8 + 8) \times ((888 - (8+8))/8) \\
&:= 9 \times 9 + ((9+9) \times 99 - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1854 &:= (1+1) \times (1 + ((1+11111)/(1+11))) \\
&:= 2 + (2 \times ((2 \times (22^2 - 22)) + 2)) \\
&:= (3 \times 3^{3+3}) - 333 \\
&:= 4 + (((44 - 4/4)^{(4+4)/4}) + 4/4) \\
&:= 5 + ((55 \times (5+5+5)) + (5 - 5/5)^5) \\
&:= 666 + (66 \times (6+6+6)) \\
&:= 777 + (77 \times (7+7) - 7/7) \\
&:= 888 + ((88 \times 88 - (8+8))/8) \\
&:= 9 \times 9 + ((9+9) \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1855 &:= (11 \times (1+1+11)^{1+1}) - 1 - 1 - 1 - 1 \\
&:= 2 + (((2 \times 22) - 2/2)^2) + 2 + 2 \\
&:= 3/3 + ((3 \times 3^{3+3}) - 333) \\
&:= 44 \times 44 - (4 - 4/4)^4 \\
&:= 5 + (5 \times ((5 \times (5 \times (5+5+5))) - 5)) \\
&:= 6 + (((6 \times 6 + 6/6) + 6)^{(6+6)/6}) \\
&:= 777 + 77 \times (7+7) \\
&:= 888 + ((88 \times 88 - 8)/8) \\
&:= 9/9 + (((9+9) \times 99 - 9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1856 &:= (11 \times (1+1+11)^{1+1}) - 1 - 1 - 1 \\
&:= 2 \times (2 \times 222 + 22^2) \\
&:= ((3/3 + 3)^3) \times ((3^3 - 3/3) + 3) \\
&:= 4 \times ((444 + 4 \times 4) + 4) \\
&:= (55/5 + 5) \times (555/5 + 5) \\
&:= ((6+6)/6)^6 \times (6 \times 6 - (6/6+6)) \\
&:= 7 + (((7/7 - 7) + 7 \times 7)^{(7+7)/7}) \\
&:= 8 \times (((8 \times (8+8) + 88) + 8) + 8) \\
&:= 9 \times 9 + (((9+9) \times 99 - 9) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1857 &:= (11 \times (1+1+11)^{1+1}) - 1 - 1 \\
&:= 2 \times (2+2) + (((2 \times 22) - 2/2)^2) \\
&:= 3 + ((3 \times 3^{3+3}) - 333) \\
&:= 4 \times 444 + (4 - 4/4)^4 \\
&:= (5 - (5+5)/5) \times ((5^5 - 55)/5 - 5) \\
&:= 6 + (((66/6 + 6) \times 666/6) - 6 \times 6) \\
&:= ((7+7)/7) + (77 \times (7+7) + 777) \\
&:= 888 + ((88 \times 88 + 8)/8) \\
&:= 9 + (((9999-9)/9) + 9 \times 9 \times 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1858 &:= (11 \times (1 + 1 + 11)^{1+1}) - 1 \\
&:= 2 + (2 \times (2 \times 222 + 22^2)) \\
&:= 3 + (((3 \times 3^{3+3}) - 333) + 3/3) \\
&:= 4/4 + (4 \times 444 + (4 - 4/4)^4) \\
&:= ((5 - (5 + 5)/5) \times ((5^5 + 5)/5 - 5)) - 5 \\
&:= ((6 + 6)/6)^6 + ((6 - 6 \times 6) \times (6 - 66) - 6) \\
&:= 7 + (((((7 + 7 + 7)/7)^7) - 7 \times 7 \times 7) + 7) \\
&:= 888 + (88 \times 88 + 8 + 8)/8 \\
&:= 9 + ((9999/9 + 9 \times 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1859 &:= 11 \times (1 + 1 + 11)^{1+1} \\
&:= 22/2 \times ((22/2 + 2)^2) \\
&:= 3 + (((3/3 + 3)^3) \times ((3^3 - 3/3) + 3)) \\
&:= 4 + (44 \times 44 - (4 - 4/4)^4) \\
&:= (((5 + 5 + 5) \times (5^5/5 - 5)) - 5)/5 \\
&:= 66/6 \times ((6/6 + 6 + 6)^{(6+6)/6}) \\
&:= 77/7 \times ((7 - 7/7 + 7)^{(7+7)/7}) \\
&:= 88/8 \times ((88 - 8 + 88) + 8/8) \\
&:= 99/9 \times ((9 \times (9 + 9) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1860 &:= 1 + (11 \times (1 + 1 + 11)^{1+1}) \\
&:= 2 \times ((2 \times 222 + 22^2) + 2) \\
&:= (3 \times (3 \times ((3 + 3)^3 - 3 \times 3))) - 3 \\
&:= 4 + (4 \times ((444 + 4 \times 4) + 4)) \\
&:= (5 + 5 + 5) \times (5 \times 5 \times 5 - 5/5) \\
&:= (6 - 66) \times (6 - (6 \times 6 + 6/6)) \\
&:= (7 \times (7 \times 7 \times 7 - 77)) - (7 + 7)/7 \\
&:= 8 + (888/((8 + 8)/8) + 88 \times (8 + 8)) \\
&:= 9 \times 9 + ((9 + 9) \times 99 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1861 &:= 1 + (1 + (11 \times (1 + 1 + 11)^{1+1})) \\
&:= 2 + (22/2 \times ((22/2 + 2)^2)) \\
&:= 3/3 + ((3 \times (3 \times ((3 + 3)^3 - 3 \times 3))) - 3) \\
&:= 4 + (4 \times 444 + (4 - 4/4)^4) \\
&:= (((5 + 5 + 5) \times (5^5/5 - 5)) + 5)/5 \\
&:= 6 + (((6 \times 6 + 6/6) + 6)^{(6+6)/6}) + 6 \\
&:= (7 \times (7 \times 7 \times 7 - 77)) - 7/7 \\
&:= 8 + ((8/8 + 8 + 8) \times ((888 - (8 + 8))/8)) \\
&:= 9 \times 9 + ((9 + 9) \times 99 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1862 &:= 1 + (1 + (1 + (11 \times (1 + 1 + 11)^{1+1}))) \\
&:= (2 \times (2 \times (2 \times 222 + 22))) - 2 \\
&:= (((3 \times (3 + 3))^3 - 3)/3) - 3 \times 3^3 \\
&:= 44 \times 44 + ((4 - (44 + 4^4))/4) \\
&:= 5 + ((5 - (5 + 5)/5) \times ((5^5 - 5)/5 - 5)) \\
&:= 6 + (((6 + 6)/6)^6 \times (6 \times 6 - (6/6 + 6))) \\
&:= 7 \times (7 \times 7 \times 7 - 77) \\
&:= 88 + (((8 + 8)/8) \times (888 - 8/8)) \\
&:= 9 \times 9 + ((9 + 9) \times 99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1863 &:= (1 + (11 + 11)) \times (11 - 1 - 1)^{1+1} \\
&:= (22 + 2/2) \times ((2/2 + 2)^{2+2}) \\
&:= 3 \times (3 \times ((3 + 3)^3 - 3 \times 3)) \\
&:= (4 - 4/4) \times ((4/4 + 4)^4 - 4) \\
&:= (5 - (5 + 5)/5) \times ((5^5 + 5)/5 - 5) \\
&:= (6 \times (6 \times (66 + 6))) - ((6 \times 6)/(6 + 6))^6 \\
&:= 7/7 + (7 \times (7 \times 7 \times 7 - 77)) \\
&:= 8 + (((88 \times 88 - 8)/8) + 888) \\
&:= 9 \times (99 + 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1864 &:= 1 + ((1 + (11 + 11)) \times (11 - 1 - 1)^{1+1}) \\
&:= 2 \times (2 \times (2 \times 222 + 22)) \\
&:= 3/3 + (3 \times (3 \times ((3 + 3)^3 - 3 \times 3))) \\
&:= 44 + (4 \times 444 + 44) \\
&:= 5^5 - (((55 + 5^5) + 5^5)/5) \\
&:= ((6 + 6)/6)^6 + (6 - 6 \times 6) \times (6 - 66) \\
&:= ((7 + 7)/7) + (7 \times (7 \times 7 \times 7 - 77)) \\
&:= 88 + (888 + 888) \\
&:= 9/9 + ((9 + 9) \times 99 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1865 &:= 1 + (1 + ((1 + (11 + 11)) \times (11 - 1 - 1)^{1+1})) \\
&:= 2^{2+2} + (((2 \times 22) - 2/2)^2) \\
&:= 3 + (((3 \times (3 + 3))^3 - 3)/3) - 3 \times 3^3 \\
&:= 4 \times 4 + ((44 - 4/4)^{(4+4)/4}) \\
&:= (5 \times (5 \times (5 \times (5 + 5 + 5)))) - 5 - 5 \\
&:= 66 + ((6 - 6 \times 6) \times (6 - 66) - 6/6) \\
&:= ((7 + 7 + 7)/7) + (7 \times (7 \times 7 \times 7 - 77)) \\
&:= 8 + (((88 \times 88 + 8)/8) + 888) \\
&:= 9 \times 9 + ((9 + 9) \times 99 + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1866 &:= (1 + 1 + 1) \times (11 + (1 + 11 \times 111)/(1 + 1)) \\
&:= 2 + (2 \times (2 \times (2 \times 222 + 22))) \\
&:= 3 + (3 \times (3 \times ((3 + 3)^3 - 3 \times 3))) \\
&:= (4 - 4/4) \times (((4/4 + 4)^4 - 4) + 4/4) \\
&:= 5 + (((5 + 5 + 5) \times (5^5/5 - 5)) + 5)/5 \\
&:= 66 + (6 - 6 \times 6) \times (6 - 66) \\
&:= 77/7 + (77 \times (7 + 7) + 777) \\
&:= 88 + (((8 + 8)/8) \times (888 + 8/8)) \\
&:= 9 \times 9 + ((9 + 9) \times 99 + ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1867 &:= (11 \times (1 + (1 + 1 + 11)^{1+1})) - 1 - 1 - 1 \\
&:= 2 + (((2 \times 22) - 2/2)^2) + 2^{2+2} \\
&:= 3 + ((3 \times (3 \times ((3 + 3)^3 - 3 \times 3))) + 3/3) \\
&:= 4 + ((4 - 4/4) \times ((4/4 + 4)^4 - 4)) \\
&:= ((5/5 + 5) \times (5^5 - 5)/(5 + 5)) - 5 \\
&:= 66 + ((6 - 6 \times 6) \times (6 - 66) + 6/6) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 - 77)) - ((7 + 7)/7)) \\
&:= 888 + 88/8 \times (8/8 + 88) \\
&:= 9 + (((9999/9 + 9 \times 9 \times 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1868 &:= (11 \times (1 + (1 + 1 + 11)^{1+1})) - 1 - 1 \\
&:= 2 \times ((2 \times (2 \times 222 + 22)) + 2) \\
&:= ((3^3 - 3) \times (3 \times 3^3 - 3)) - (3/3 + 3) \\
&:= (4^4 \times (4 + 4)) - (4 \times 44 + 4) \\
&:= 5 + ((5 - (5 + 5)/5) \times ((5^5 + 5)/5 - 5)) \\
&:= (6 \times (6 - 6 \times 6)) + (((6 + 6)/6)^{66/6}) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 - 77)) - 7/7) \\
&:= 88 + (((8 + 8)/8) \times (888 + ((8 + 8)/8))) \\
&:= (((9 + 9)/9)^{99/9}) - (99 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1869 &:= (11 \times (1 + (1 + 1 + 11)^{1+1})) - 1 \\
&:= 22 + (((2 \times 22) - 2/2)^2) - 2 \\
&:= ((3^3 - 3) \times (3 \times 3^3 - 3)) - 3 \\
&:= ((4 - 4^4)/4) + (44 \times 44 - 4) \\
&:= 5^5 - (((5^5 + 5^5 + 5)/5) + 5) \\
&:= 66 \times (6 \times 6 - 6) - 666/6 \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 77)) \\
&:= (8 - 8/8) \times ((8 + 8) \times (8 + 8) + (88/8)) \\
&:= 99 + ((9 + 9) \times 99 - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1870 &:= 11 \times (1 + (1 + 1 + 11)^{1+1}) \\
&:= 22 + (2 \times (2 \times (22^2 - 22))) \\
&:= 3/3 + (((3^3 - 3) \times (3 \times 3^3 - 3)) - 3) \\
&:= (4 \times 4 + 4/4) \times (444 - 4)/4 \\
&:= (5 \times (5 \times (5 \times (5 + 5 + 5)))) - 5 \\
&:= (66/6 + 6) \times ((666 - 6)/6) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 - 77)) + 7/7) \\
&:= (8/8 + 8 + 8) \times (888 - 8)/8 \\
&:= 99 + ((9 + 9) \times 99 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1871 &:= 1 + (11 \times (1 + (1 + 1 + 11)^{1+1})) \\
&:= 22 + (((2 \times 22) - 2/2)^2) \\
&:= ((3^3 - 3) \times (3 \times 3^3 - 3)) - 3/3 \\
&:= 44 \times 44 - (4^4 + 4)/4 \\
&:= 5^5 + (((5 - (5^5 + 5^5))/5) - 5) \\
&:= (6 \times ((6 \times (6 \times 6 + 6) - 6) + 66)) - 6/6 \\
&:= 7 + ((7 \times (7 \times 7 \times 7 - 77)) + ((7 + 7)/7)) \\
&:= 8 \times (88 + 8) + (8888/8 - 8) \\
&:= 9 + (((9 + 9) \times 99 - 9/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1872 &:= (1 + 1 + 11) \times (1 + 11)^{1+1} \\
&:= 2 \times (2 \times (22^2 - 2^{2+2})) \\
&:= (3^3 - 3) \times (3 \times 3^3 - 3) \\
&:= 4 \times ((4^4 - 44) + 4^4) \\
&:= (5/5 + 5) \times (5^5 - 5)/(5 + 5) \\
&:= 6 \times ((6 \times (6 \times 6 + 6) - 6) + 66) \\
&:= (77/7 + 7) \times (777/7 - 7) \\
&:= (8 + 8) \times (8 \times (8 + 8) - (88/8)) \\
&:= 9 + ((9 + 9) \times 99 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1873 &:= 1 + ((1 + 1 + 11) \times (1 + 11)^{1+1}) \\
&:= 2 + (((2 \times 22) - 2/2)^2) + 22 \\
&:= 3/3 + ((3^3 - 3) \times (3 \times 3^3 - 3)) \\
&:= ((4 - 4^4)/4) + 44 \times 44 \\
&:= 5^5 - ((5 + 5)/5 \times (5^5 + 5)/5) \\
&:= 6/6 + (6 \times ((6 \times (6 \times 6 + 6) - 6) + 66)) \\
&:= 77/7 + (7 \times (7 \times 7 \times 7 - 77)) \\
&:= 8/8 + ((8 + 8) \times (8 \times (8 + 8) - (88/8))) \\
&:= 9 + (((9 + 9) \times 99 + 9 \times 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1874 &:= (1 + 1) \times ((1 + 1)^{11} - 1111) \\
&:= 2 + (2 \times (2 \times (22^2 - 2^{2+2}))) \\
&:= 3 + (((3^3 - 3) \times (3 \times 3^3 - 3)) - 3/3) \\
&:= 44 \times 44 + (((4 - 4^4) + 4)/4) \\
&:= 5^5 - ((5^5 + 5^5 + 5)/5) \\
&:= 6 + (((6 + 6)/6)^{66/6} + (6 \times (6 - 6 \times 6))) \\
&:= 777 + (7777/7 - (7 + 7)) \\
&:= 8 + (((8 + 8)/8) \times (888 + 8/8)) + 88 \\
&:= 9 \times 9 + ((9 + 9) \times 99 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1875 &:= 1 + ((1 + 1) \times ((1 + 1)^{11} - 1111)) \\
&:= (2/2 + 2) \times ((2/2 + 2 + 2)^{2+2}) \\
&:= 3 + ((3^3 - 3) \times (3 \times 3^3 - 3)) \\
&:= (4 - 4/4) \times (4/4 + 4)^4 \\
&:= 5 \times (5 \times (5 \times (5 + 5 + 5))) \\
&:= 6 + (66 \times (6 \times 6 - 6) - 666/6) \\
&:= 7 + (((7 \times (7 \times 7 \times 7 - 77)) - 7/7) + 7) \\
&:= (8/8 + 8 + 8 + 8) \times (88/8 + 8 \times 8) \\
&:= 9 \times 9 + ((9 + 9) \times 99 + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1876 &:= (1 + 1) \times (1 + ((1 + 1)^{11} - 1111)) \\
&:= 2 \times ((2 \times (22^2 - 2^{2+2})) + 2) \\
&:= (3^3 + 3/3) \times (((3/3 + 3)^3) + 3) \\
&:= 4 + (4 \times ((4^4 - 44) + 4^4)) \\
&:= 5^5 + ((5 - (5^5 + 5^5))/5) \\
&:= 6 + ((66/6 + 6) \times ((666 - 6)/6)) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 - 77)) + 7) \\
&:= 88 + (((8 \times 8 \times (8 \times 8 - 8)) - 8)/(8 + 8)/8) \\
&:= 99 + (((9 - 99)/(9 + 9)) + (9 + 9) \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1877 &:= 1 + ((1 + 1) \times (1 + ((1 + 1)^{11} - 1111))) \\
&:= 2 + ((2 \times 22 - 2)^2 + 222/2) \\
&:= (3 \times 3 \times (3 + 3)^3) - (((3/3 + 3)^3) + 3) \\
&:= 4 + (((4 - 4^4)/4) + 44 \times 44) \\
&:= 5 + ((5/5 + 5) \times (5^5 - 5)/(5 + 5)) \\
&:= 6 \times 6 \times (66 - 6 - 6) - (66 + 6/6) \\
&:= 7 + (((7 \times (7 \times 7 \times 7 - 77)) + 7/7) + 7) \\
&:= (8/8 - (8 \times 8 \times 88))/(8 - 88/8) \\
&:= (((9 + 9)/9)^{99/9}) - (9 \times (9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1878 &:= (1 + 1)^{11} - (1 + (1 + 1 + 11)^{1+1}) \\
&:= 2 + (2 \times ((2 \times (22^2 - 2^{2+2})) + 2)) \\
&:= (33 \times ((3^3 + 3^3) + 3)) - 3 \\
&:= (4 - 4/4) \times ((4/4 + 4)^4 + 4/4) \\
&:= (5/5 + 5) \times (5^5 + 5)/(5 + 5) \\
&:= 6 \times 6 \times (66 - 6 - 6) - 66 \\
&:= 7 + (((7 \times (7 \times 7 \times 7 - 77)) + ((7 + 7)/7)) + 7) \\
&:= 8 + ((8/8 + 8 + 8) \times (888 - 8/8)) \\
&:= (((9 - 9/9) + 9) \times 999/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1879 &:= (1 + 1)^{11} - (1 + 1 + 11)^{1+1} \\
&:= 2^{22/2} - ((22/2 + 2)^2) \\
&:= 3 + ((3^3 + 3/3) \times (((3/3 + 3)^3) + 3)) \\
&:= 4 + ((4 - 4/4) \times (4/4 + 4)^4) \\
&:= 5 + (5^5 - ((5^5 + 5^5 + 5)/5)) \\
&:= 6/6 + (6 \times 6 \times (66 - 6 - 6) - 66) \\
&:= 7 + ((77/7 + 7) \times (777/7 - 7)) \\
&:= 8 \times (88 + 8) + 8888/8 \\
&:= 99 + ((9 + 9) \times 99 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1880 &:= 1 + ((1 + 1)^{11} - (1 + 1 + 11)^{1+1}) \\
&:= 2 \times (2 \times ((22^2 - 2^{2+2}) + 2)) \\
&:= (3 \times 3 \times (3 + 3)^3) - ((3/3 + 3)^3) \\
&:= (44 - 4) \times (44 - 4/4 + 4) \\
&:= 5 + (5 \times (5 \times (5 \times (5 + 5 + 5)))) \\
&:= 6 \times 6 \times (66 - 6 - 6) - ((6 + 6)/6)^6 \\
&:= 7 + ((7 \times (7 \times 7 \times 7 - 77)) + (77/7)) \\
&:= 8 + ((8 + 8) \times (8 \times (8 + 8) - (88/8))) \\
&:= 99 + ((9 + 9) \times 99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1881 &:= 11 \times (1 + (1 + (1 + 1 + 11)^{1+1})) \\
&:= 22/2 \times (((22/2 + 2)^2) + 2) \\
&:= 33 \times ((3^3 + 3^3) + 3) \\
&:= 44/4 \times (4 \times 44 - (4/4 + 4)) \\
&:= 5 + ((5 \times (5 \times (5 \times (5 + 5 + 5)))) + 5/5) \\
&:= ((66/6 + 6) \times 666/6) - 6 \\
&:= 777 + (7777/7 - 7) \\
&:= (88/8 + 8) \times (88/8 + 88) \\
&:= 99 + (9 + 9) \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1882 &:= 1 + (11 \times (1 + (1 + (1 + 1 + 11)^{1+1}))) \\
&:= (2 \times ((2 \times (22^2 - 2) - 22)) - 2) \\
&:= 3/3 + (33 \times ((3^3 + 3^3) + 3)) \\
&:= 4 + ((4 - 4/4) \times ((4/4 + 4)^4 + 4/4)) \\
&:= 5 + (((5/5 + 5) \times (5^5 - 5)/(5 + 5)) + 5) \\
&:= 6 + (((66/6 + 6) \times ((666 - 6)/6)) + 6) \\
&:= 777 + ((7777 + 7)/7 - 7) \\
&:= 8/8 + ((88/8 + 8) \times (88/8 + 88)) \\
&:= 9/9 + ((9 + 9) \times 99 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1883 &:= 11 + ((1 + 1 + 11) \times (1 + 11)^{1+1}) \\
&:= 2 + (22/2 \times (((22/2 + 2)^2) + 2)) \\
&:= 3 + ((3 \times 3 \times (3 + 3)^3) - ((3/3 + 3)^3)) \\
&:= 4 + (((4 - 4/4) \times (4/4 + 4)^4) + 4) \\
&:= 5 + ((5/5 + 5) \times (5^5 + 5)/(5 + 5)) \\
&:= 6 + (6 \times 6 \times (66 - 6 - 6) - (66 + 6/6)) \\
&:= 7 \times (((7 \times 7 \times 77) - 7)/(7 + 7)) \\
&:= 8 + ((8/8 + 8 + 8 + 8) \times (88/8 + 8 \times 8)) \\
&:= 99 + ((9 + 9) \times 99 + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1884 &:= (1 + 11) \times (1 + ((1 + 11) \times (1 + 1 + 11))) \\
&:= 2 \times ((2 \times (22^2 - 2) - 22) \\
&:= 3 + (33 \times ((3^3 + 3^3) + 3)) \\
&:= 44 + (4 \times (444 + 4 \times 4)) \\
&:= 5 + ((5^5 - ((5^5 + 5^5 + 5)/5)) + 5) \\
&:= 6 + (6 \times 6 \times (66 - 6 - 6) - 66) \\
&:= 7/7 + (7 \times (((7 \times 7 \times 77) - 7)/(7 + 7))) \\
&:= 88 + (((8 \times 8 \times (8 \times 8 - 8)) + 8)/(8 + 8)/8) \\
&:= (9 + 9) \times 99 + (999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1885 &:= (1 + 1 + 11) \times (1 + (1 + 11)^{1+1}) \\
&:= (22/2)^2 + (2 \times 22 - 2)^2 \\
&:= 3 + ((33 \times ((3^3 + 3^3) + 3)) + 3/3) \\
&:= 4 + (44/4 \times (4 \times 44 - (4/4 + 4))) \\
&:= 5 + ((5 \times (5 \times (5 \times (5 + 5 + 5)))) + 5) \\
&:= (6/6 - 66) \times ((6/6 - 6 \times 6) + 6) \\
&:= ((7 + 7)/7) + (7 \times (((7 \times 7 \times 77) - 7)/(7 + 7))) \\
&:= 8 + ((8/8 - (8 \times 8 \times 88))/(8 - 88/8)) \\
&:= (9 + 9) \times 99 + (((999 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1886 &:= 1 + ((1 + 1 + 11) \times (1 + (1 + 11)^{1+1})) \\
&:= 2 + (2 \times ((2 \times (22^2 - 2) - 22)) \\
&:= (3^3 - 3/3 - 3) \times (3 \times 3^3 + 3/3) \\
&:= 4 \times 444 + (444 - 4)/4 \\
&:= 5^5 + ((55 - (5^5 + 5^5))/5) \\
&:= ((66/6 + 6) \times 666/6) - 6/6 \\
&:= ((7 \times 7 \times 77) - 7/7)/(7 + 7)/7 \\
&:= ((8/8 + 8 + 8) \times 888/8) - 8/8 \\
&:= (((9 + 9)/9)^{99/9}) - 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1887 &:= 111 \times (1 + (1 + 1)^{1+1+1+1}) \\
&:= 222/2 \times (2^{2+2} + 2/2) \\
&:= (3 \times (3 \times ((3 + 3)^3 - (3 + 3)))) - 3 \\
&:= (4 - 4/4) \times ((4/4 + 4)^4 + 4) \\
&:= (5 - (5 + 5)/5) \times ((5^5 - 5)/5 + 5) \\
&:= (66/6 + 6) \times 666/6 \\
&:= 777 + (7777 - 7)/7 \\
&:= (8/8 + 8 + 8) \times 888/8 \\
&:= ((9 - 9/9) + 9) \times 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1888 &:= 1 + (111 \times (1 + (1 + 1)^{1+1+1+1})) \\
&:= 2 \times (2 \times 22^2 - (22 + 2)) \\
&:= 3/3 + ((3 \times (3 \times ((3 + 3)^3 - (3 + 3)))) - 3) \\
&:= (4 + 4) \times (4^4 - (4 \times 4 + 4)) \\
&:= ((5 + 5)/5)^5 \times (55 - 5/5 + 5) \\
&:= 6/6 + ((66/6 + 6) \times 666/6) \\
&:= 777 + 7777/7 \\
&:= (8 + 8) \times ((888 - 8)/8 + 8) \\
&:= 999 + (9 \times 99 - (9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1889 &:= ((1 + 1) \times (11 - 1)^{1+1+1}) - 111 \\
&:= 2 + (222/2 \times (2^{2+2} + 2/2)) \\
&:= (3 \times (3 \times ((3 + 3)^3 - (3 + 3)))) - 3/3 \\
&:= 4/4 + ((4 + 4) \times (4^4 - (4 \times 4 + 4))) \\
&:= ((5/5 + 5)^5 / (5 - 5/5)) - 55 \\
&:= ((6 + 6 + 6) \times (666/6 - 6)) - 6/6 \\
&:= 777 + (7777 + 7)/7 \\
&:= 8 + ((88/8 + 8) \times (88/8 + 88)) \\
&:= 999 + (9 \times 99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1890 &:= 1 + (((1 + 1) \times (11 - 1)^{1+1+1}) - 111) \\
&:= (2 \times 22)^2 - ((2 \times 22) + 2) \\
&:= 3 \times (3 \times ((3 + 3)^3 - (3 + 3))) \\
&:= (44 + 4/4) \times (44 - (4 + 4)/4) \\
&:= (5 + 5 + 5) \times (5 \times 5 \times 5 + 5/5) \\
&:= (6 + 6 + 6) \times (666/6 - 6) \\
&:= (7 + 7) \times (((7 + 7)/7)^7 + 7) \\
&:= (8 - 8/8 + 8) \times (8 \times (8 + 8) - ((8 + 8)/8)) \\
&:= 999 + 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1891 &:= (1 + 1)^{11} - (1 + ((1 + 11) \times (1 + 1 + 11))) \\
&:= (2 \times 22)^2 - (2 \times 22 + 2/2) \\
&:= 3/3 + (3 \times (3 \times ((3 + 3)^3 - (3 + 3)))) \\
&:= 44 \times 44 - (44 + 4/4) \\
&:= (((5 + 5 + 5) \times (5^5/5 + 5)) + 5)/5 \\
&:= 6 + ((6/6 - 66) \times ((6/6 - 6 \times 6) + 6)) \\
&:= 7/7 + ((7 + 7) \times (((7 + 7)/7)^7 + 7)) \\
&:= 8 + (((8/8 + 8 + 8 + 8) \times (88/8 + 8 \times 8)) + 8) \\
&:= 9/9 + (999 + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1892 &:= 11 \times (1 + (1 + (1 + (1 + 1 + 11)^{1+1}))) \\
&:= 2 \times (2 \times 22^2 - 22) \\
&:= 3 + ((3 \times (3 \times ((3 + 3)^3 - (3 + 3)))) - 3/3) \\
&:= 44 \times (44 - 4/4) \\
&:= 5 + ((5 - (5 + 5)/5) \times ((5^5 - 5)/5 + 5)) \\
&:= 6 + (((66/6 + 6) \times 666/6) - 6/6) \\
&:= ((7 + 7)/7) + ((7 + 7) \times (((7 + 7)/7)^7 + 7)) \\
&:= 88 \times (8 + 8) + 88 \times 88/(8 + 8) \\
&:= 99 + ((9 + 9) \times 99 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1893 &:= (1 + 1)^{11} - (11 + (1 + 11)^{1+1}) \\
&:= 2/2 + (2 \times (2 \times 22^2 - 22)) \\
&:= 3 + (3 \times (3 \times ((3 + 3)^3 - (3 + 3)))) \\
&:= 4/4 + (44 \times (44 - 4/4)) \\
&:= (5 - (5 + 5)/5) \times ((5^5 + 5)/5 + 5) \\
&:= 6 + ((66/6 + 6) \times 666/6) \\
&:= (7 \times (7 - 7 \times 7)) + (((7 + 7 + 7)/7)^7) \\
&:= ((8 + 8) \times (888/8 + 8)) - 88/8 \\
&:= (9 + 9) \times 99 + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1894 &:= (1 + 1)^{11} - (11 \times (1 + (1 + 1 + 11))) \\
&:= 2 + (2 \times (2 \times 22^2 - 22)) \\
&:= 3 + ((3 \times (3 \times ((3 + 3)^3 - (3 + 3)))) + 3/3) \\
&:= (4 + 4)/4 + (44 \times (44 - 4/4)) \\
&:= 5 + (((5/5 + 5)^5 / (5 - 5/5)) - 55) \\
&:= 6 + (((66/6 + 6) \times 666/6) + 6/6) \\
&:= 7 + ((7777 - 7)/7 + 777) \\
&:= 8 + (((8/8 + 8 + 8) \times 888/8) - 8/8) \\
&:= (9 + 9) \times 99 + ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1895 &:= 1 + ((1 + 1)^{11} - (11 \times (1 + (1 + 1 + 11)))) \\
&:= 2 + ((2 \times (2 \times 22^2 - 22)) + 2/2) \\
&:= ((3^3 - 3/3) \times (((3 + 3)^3 + 3)/3)) - 3 \\
&:= 4 + 44 \times 44 - (44 + 4/4) \\
&:= (5 \times ((5 \times (5 \times (5 + 5 + 5))) + 5)) - 5 \\
&:= (6 - 6/6) \times (6 \times 66 - (66/6 + 6)) \\
&:= 7 + (7777/7 + 777) \\
&:= 8 + ((8/8 + 8 + 8) \times 888/8) \\
&:= 9 + (((9 + 9)/9)^{99/9}) - 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1896 &:= (1 + 11) \times ((1 + 1 + 11)^{1+1} - 11) \\
&:= 2 \times ((2 \times 22^2 - 22) + 2) \\
&:= 3 + ((3 \times (3 \times ((3 + 3)^3 - (3 + 3)))) + 3) \\
&:= 4 + 44 \times (44 - 4/4) \\
&:= 5 + (((5 + 5 + 5) \times (5^5/5 + 5)) + 5)/5 \\
&:= 6 + ((6 + 6 + 6) \times (666/6 - 6)) \\
&:= 7 + ((7777 + 7)/7 + 777) \\
&:= (8 + 8 + 8) \times (88 - (8/8 + 8)) \\
&:= 9 + (((9 - 9/9) + 9) \times 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1897 &:= 1 + ((1 + 11) \times ((1 + 1 + 11)^{1+1} - 11)) \\
&:= 2/2 + ((2 \times 22)^2 + (2 \times (2 - 22))) \\
&:= (((3 \times (3 + 3))^3 - 33)/3) - (33 + 3) \\
&:= 4 + ((44 \times (44 - 4/4)) + 4/4) \\
&:= 5 \times 5 + ((5/5 + 5) \times (5^5 - 5)/5 + 5) \\
&:= 66 \times (6 + 6) + ((6666/6) - 6) \\
&:= 7 + ((7 + 7) \times (((7 + 7)/7)^7 + 7)) \\
&:= 8/8 + ((8 + 8 + 8) \times (88 - (8/8 + 8))) \\
&:= 9 + ((999 - ((9 + 9)/9)) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1898 &:= (1 + 1 + 11) \times (1 + (1 + (1 + 11)^{1+1})) \\
&:= 2 + ((2 \times 22)^2 + (2 \times (2 - 22))) \\
&:= (3^3 - 3/3) \times (((3 + 3)^3 + 3)/3) \\
&:= 4 + ((44 \times (44 - 4/4)) + (4 + 4)/4) \\
&:= 5 + ((5 - (5 + 5)/5) \times ((5^5 + 5)/5 + 5)) \\
&:= ((66/6 + 6) \times (666 + 6)/6) - 6 \\
&:= 7 + (((7 + 7) \times (((7 + 7)/7)^7 + 7)) + 7/7) \\
&:= 8 + ((8 - 8/8 + 8) \times (8 \times (8 + 8) - ((8 + 8)/8))) \\
&:= 9 + ((9 \times 99 - 9/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1899 &:= (11 - 1 - 1) \times ((1 + 1) \times 111 - 11) \\
&:= (2/2 + 2)^2 \times (222 - 22/2) \\
&:= 3 \times ((3 \times ((3 + 3)^3 - (3 + 3))) + 3) \\
&:= (4 - 4/4) \times (((4/4 + 4)^4 + 4) + 4) \\
&:= (5 \times ((5 \times (5 \times (5 + 5 + 5))) + 5)) - 5/5 \\
&:= 6 + (((66/6 + 6) \times 666/6) + 6) \\
&:= 777 + ((7777 + 77)/7) \\
&:= 88/8 + ((8 + 8) \times ((888 - 8)/8 + 8)) \\
&:= 9 + (999 + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1900 &:= (11 - 1)^{1+1} \times (((1 + 1) \times (11 - 1)) - 1) \\
&:= 2 \times ((2 \times (22^2 + 2)) - 22) \\
&:= (((3 \times (3 + 3))^3 - 33)/3) - 33 \\
&:= 4 + ((44 \times (44 - 4/4)) + 4) \\
&:= 5 \times ((5 \times (5 \times (5 + 5 + 5))) + 5) \\
&:= (6 - 6/6) \times (((6 - 66)/6) - 6) + 6 \times 66 \\
&:= (7/7 + 7 \times 7) \times (7 \times 7 - 77/7) \\
&:= (88/8 + 8) \times (((88 + 8)/8) + 88) \\
&:= (9/9 + 9 + 9) \times (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1901 &:= 1 + ((11 - 1)^{1+1} \times (((1 + 1) \times (11 - 1)) - 1)) \\
&:= 2/2 + (2 \times ((2 \times (22^2 + 2)) - 22)) \\
&:= 3 + ((3^3 - 3/3) \times (((3 + 3)^3 + 3)/3)) \\
&:= 4 + (((44 \times (44 - 4/4)) + 4/4) + 4) \\
&:= 5/5 + (5 \times ((5 \times (5 \times (5 + 5 + 5))) + 5)) \\
&:= (6 \times (6 \times (6 \times 6 + 6) + 66)) - 6/6 - 6 \\
&:= 77/7 + ((7 + 7) \times (((7 + 7)/7)^7 + 7)) \\
&:= 888 + (8 \times 8 \times (8 + 8) - (88/8)) \\
&:= 99/9 + (999 + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1902 &:= (1 + 1)^{11} - (1 + (1 + (1 + 11)^{1+1})) \\
&:= 2 + (2 \times ((2 \times (22^2 + 2)) - 22)) \\
&:= (3 \times (3 \times (3 + 3)^3 - 3)) - 33 \\
&:= 44 \times 44 + ((44 - 4)/4 - 44) \\
&:= (5/5 + 5) \times ((5^5 - 5)/5 + 5) + 5 \\
&:= (6 \times (6 \times (6 \times 6 + 6) + 66)) - 6 \\
&:= 7 + ((7777/7 + 777) + 7) \\
&:= ((8 + 8)/8) \times ((888 - 8/8) + 8 \times 8) \\
&:= 9 + ((9 + 9) \times 99 + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1903 &:= (1+1)^{11} - (1+(1+11)^{1+1}) \\
&:= (2 \times 22)^2 - (22/2 + 22) \\
&:= 3 + (((3 \times (3+3))^3 - 33)/3) - 33 \\
&:= 44/4 + (44 \times (44 - 4/4)) \\
&:= 5 \times 5 + ((5/5 + 5) \times (5^5 + 5)/(5+5)) \\
&:= 66 \times (6+6) + (6666/6) \\
&:= 777/7 + ((7+7) \times ((7+7)/7)^7) \\
&:= ((8+8) \times (888/8+8)) - 8/8 \\
&:= 99/9 \times (99/9 + 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1904 &:= (1+1)^{11} - (1+11)^{1+1} \\
&:= 2 \times (2 \times (22^2 - 2 \times (2+2))) \\
&:= ((33/3)^3) + (((3 \times 3 + 3)^3/3) - 3) \\
&:= 4 \times (444 + 4 \times (4+4)) \\
&:= 5^5 - 55/5 \times 555/5 \\
&:= (66/6 + 6) \times (666 + 6)/6 \\
&:= (7 \times ((7 \times 7 \times 7 - 77) + 7)) - 7 \\
&:= (8+8) \times (888/8+8) \\
&:= ((9-9/9) + 9) \times ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1905 &:= 1 + ((1+1)^{11} - (1+11)^{1+1}) \\
&:= 2 + ((2 \times 22)^2 - (22/2 + 22)) \\
&:= (3 \times ((3 \times (3+3)^3 - 3)) - 3) - 3 \\
&:= 4/4 + (4 \times (444 + 4 \times (4+4))) \\
&:= 5 + (5 \times ((5 \times (5 \times (5+5+5))) + 5)) \\
&:= 6 + (((66/6 + 6) \times 666/6) + 6) + 6 \\
&:= 7/7 + ((7 \times ((7 \times 7 \times 7 - 77) + 7)) - 7) \\
&:= 8/8 + ((8+8) \times (888/8+8)) \\
&:= 9 + (((9-9/9) + 9) \times 999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1906 &:= 1 + (1 + ((1+1)^{11} - (1+11)^{1+1})) \\
&:= (2 \times (2 \times (22^2 - 2))) - 22 \\
&:= (3 \times (3 \times ((3+3)^3 - 3))) - 33/3 \\
&:= (4+4)/4 + (4 \times (444 + 4 \times (4+4))) \\
&:= 5 + ((5 \times ((5 \times (5 \times (5+5+5))) + 5)) + 5/5) \\
&:= (6 \times (6 \times (6 \times 6 + 6) + 66)) - (6+6)/6 \\
&:= ((7/7 + 7 + 7) \times ((7+7)/7)^7) - (7+7) \\
&:= (8+8)/8 + ((8+8) \times (888/8+8)) \\
&:= 9 \times 99 + (((9+9)/9)^{9/9+9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1907 &:= 1 + (1 + (1 + ((1+1)^{11} - (1+11)^{1+1}))) \\
&:= 2/2 + ((2 \times (2 \times (22^2 - 2))) - 22) \\
&:= ((33/3)^3) + ((3 \times 3 + 3)^3/3) \\
&:= 4 + ((44 \times (44 - 4/4)) + 44/4) \\
&:= 5 + ((5/5 + 5) \times ((5^5 - 5)/(5+5) + 5)) \\
&:= (6 \times (6 \times (6 \times 6 + 6) + 66)) - 6/6 \\
&:= 7 + ((7/7 + 7 \times 7) \times (7 \times 7 - 77/7)) \\
&:= 8 \times 8 + ((88/8 + 8) \times ((8/8 + 88) + 8)) \\
&:= 9 + (((9 \times 99 - 9/9) + 999) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1908 &:= (1+11) \times (1 + ((1+1+11)^{1+1} - 11)) \\
&:= 2 + ((2 \times (2 \times (22^2 - 2))) - 22) \\
&:= 3 \times ((3 \times ((3+3)^3 - 3)) - 3) \\
&:= 4 + (4 \times (444 + 4 \times (4+4))) \\
&:= (5/5 + 5) \times ((5^5 + 5)/(5+5) + 5) \\
&:= 6 \times (6 \times (6 \times 6 + 6) + 66) \\
&:= (77/7 + 7) \times ((7 \times (7+7) + 7/7) + 7) \\
&:= ((8+8) \times (8 \times (8+8) - 8)) - (88+8)/8 \\
&:= 9 + ((999+9 \times 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1909 &:= 1 + ((1+11) \times (1 + ((1+1+11)^{1+1} - 11))) \\
&:= (22 + 2/2) \times (((2/2 + 2)^{2+2}) + 2) \\
&:= 3/3 + (3 \times ((3 \times ((3+3)^3 - 3)) - 3)) \\
&:= 44 \times 44 - (44/4 + 4 \times 4) \\
&:= 5 + (5^5 - 55/5 \times 555/5) \\
&:= 6/6 + (6 \times (6 \times (6 \times 6 + 6) + 66)) \\
&:= (7 \times ((7 \times 7 \times 7 - 77) + 7)) - (7+7)/7 \\
&:= ((8+8) \times (8 \times (8+8) - 8)) - 88/8 \\
&:= 9 + ((9/9 + 9 + 9) \times (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1910 &:= 11 + ((11 - 1 - 1) \times ((1+1) \times 111 - 11)) \\
&:= (2 \times 22)^2 - (22 + 2 + 2) \\
&:= (((3 \times (3+3))^3 - 3)/3) - 33 \\
&:= (4 - 44)/4 + ((4+4) \times (4^4 - 4 \times 4)) \\
&:= 5^5 - (5 \times ((5 - (5+5)/5)^5)) \\
&:= 6 + ((66/6 + 6) \times (666 + 6)/6) \\
&:= (7 \times ((7 \times 7 \times 7 - 77) + 7)) - 7/7 \\
&:= 888 + (8 \times 8 \times (8+8) - ((8+8)/8)) \\
&:= 9 + ((999+9 \times 99) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1911 &:= (1+1+11) \times (1 + (1 + (1 + (1+11)^{1+1}))) \\
&:= (2 \times 22)^2 - ((22 + 2/2) + 2) \\
&:= (3 \times 3 \times (3+3)^3) - 33 \\
&:= 4 \times 4^4 + (((4+4) \times 444 - 4)/4) \\
&:= 5^5 + (5/5 - (5 \times ((5 - (5+5)/5)^5))) \\
&:= 666/6 + (6 - 6 \times 6) \times (6 - 66) \\
&:= 7 \times ((7 \times 7 \times 7 - 77) + 7) \\
&:= 888 + (8 \times 8 \times (8+8) - 8/8) \\
&:= 9 + (((9+9) \times 99 + 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1912 &:= 1 + ((1+1+11) \times (1 + (1 + (1 + (1+11)^{1+1})))) \\
&:= (2 \times 22)^2 - (22 + 2) \\
&:= (((3 \times (3+3))^3 + 3)/3) - 33 \\
&:= (4+4) \times (4^4 - (4 \times 4 + 4/4)) \\
&:= 5 + (((5/5 + 5) \times ((5^5 - 5)/(5+5) + 5)) + 5) \\
&:= 66 \times (6 \times 6 - 6) - (((6+6)/6) + 66) \\
&:= 7/7 + (7 \times ((7 \times 7 \times 7 - 77) + 7)) \\
&:= 888 + 8 \times 8 \times (8+8) \\
&:= 9 + ((99/9) \times (99/9 + 9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1913 &:= (1+1)^{11} - (1 + (1 + (1 + (11 \times (1+11)))))) \\
&:= (2 \times 22)^2 - (22 + 2/2) \\
&:= 3 + (((3 \times (3+3))^3 - 3)/3) - 33 \\
&:= 4 + (44 \times 44 - (44/4 + 4 \times 4)) \\
&:= 5 + ((5/5 + 5) \times ((5^5 + 5)/(5+5) + 5)) \\
&:= 66 \times (6 \times 6 - 6) - (66 + 6/6) \\
&:= ((7/7 + 7 + 7) \times ((7+7)/7)^7) - 7 \\
&:= 8/8 + (8 \times 8 \times (8+8) + 888) \\
&:= 9 + (((9-9/9) + 9) \times ((999+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1914 &:= (1+1)^{11} - (1 + (1 + (11 \times (1+11)))) \\
&:= (2 \times 22)^2 - 22 \\
&:= (3 \times (3 \times ((3+3)^3 - 3))) - 3 \\
&:= 44/4 \times (4 \times 44 - (4+4)/4) \\
&:= 55 \times 55 - 5555/5 \\
&:= 66 \times (6 \times 6 - (6/6 + 6)) \\
&:= 77/7 \times ((7 \times (7+7) - 7/7) + 77) \\
&:= (88 - 8/8) \times (88 + 88)/8 \\
&:= 99/9 \times (((99+9)/9) + 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1915 &:= (1+1)^{11} - (1 + (11 \times (1+11))) \\
&:= 2/2 + ((2 \times 22)^2 - 22) \\
&:= 3 + (((3 \times (3+3))^3 + 3)/3) - 33 \\
&:= 44 \times 44 - ((4 \times 4 + 4/4) + 4) \\
&:= (55 \times ((5 \times 5 + 5) + 5)) - 5 - 5 \\
&:= 6/6 + (66 \times (6 \times 6 - (6/6 + 6))) \\
&:= 7 + ((77/7 + 7) \times ((7 \times (7+7) + 7/7) + 7)) \\
&:= 88/8 + ((8+8) \times (888/8+8)) \\
&:= 9 \times 99 + (((9+9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1916 &:= (1+1)^{11} - (11 \times (1+11)) \\
&:= 2 + ((2 \times 22)^2 - 22) \\
&:= (((3 \times (3+3))^3 - 3)/3) - 3^3 \\
&:= 44 \times 44 - (4 \times 4 + 4) \\
&:= 5^5 + ((5 - (55 \times (55 + 55)))/5) \\
&:= 66 \times (6 \times 6 - 6) - ((6+6)/6)^6 \\
&:= 7 + ((7 \times ((7 \times 7 \times 7 - 77) + 7)) - ((7+7)/7)) \\
&:= ((8+8) \times (8 \times (8+8) - 8)) - (8/((8+8)/8)) \\
&:= 9 \times 9 \times 9 + (((99 \times (99+9)) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1917 &:= 1 + ((1+1)^{11} - (11 \times (1+11))) \\
&:= 2 + (((2 \times 22)^2 - 22) + 2/2) \\
&:= 3 \times (3 \times ((3+3)^3 - 3)) \\
&:= 4/4 + (44 \times 44 - (4 \times 4 + 4)) \\
&:= 5^5 + ((5+5)/5 \times ((5 - 55 \times 55)/5)) \\
&:= ((6 \times 6/(6+6))^6) + (66 \times (6+6+6)) \\
&:= 7 + ((7 \times ((7 \times 7 \times 7 - 77) + 7)) - 7/7) \\
&:= 8 + (((8+8) \times (8 \times (8+8) - 8)) - (88/8)) \\
&:= 999 + (999 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1918 &:= 1 + (1 + ((1 + 1)^{11} - (11 \times (1 + 11)))) \\
&:= 2 + (((2 \times 22)^2 - 22) + 2) \\
&:= 3/3 + (3 \times (3 \times ((3 + 3)^3 - 3))) \\
&:= 44 \times 44 - ((4 + 4)/4 + 4 \times 4) \\
&:= ((5 + 5)/5 + 5) \times (5 \times 55 - 5/5) \\
&:= ((6 \times 6 - 6) \times ((6 + 6)/6)^6) - (6 + 6)/6 \\
&:= 7 + (7 \times ((7 \times 7 \times 7 - 77) + 7)) \\
&:= ((8 + 8) \times (8 \times (8 + 8) - 8)) - (8 + 8)/8 \\
&:= 9 + (((9/9 + 9 + 9) \times (9/9 + 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1919 &:= 1 + (1 + (1 + ((1 + 1)^{11} - (11 \times (1 + 11)))))) \\
&:= (2 \times 22)^2 - (2^{2+2} + 2/2) \\
&:= 3 + (((3 \times (3 + 3))^3 - 3)/3) - 3^3 \\
&:= 44 \times 44 - (4 \times 4 + 4/4) \\
&:= (55 \times ((5 \times 5 + 5) + 5)) - (5/5 + 5) \\
&:= ((6 \times 6 - 6) \times ((6 + 6)/6)^6) - 6/6 \\
&:= 7 + ((7 \times ((7 \times 7 \times 7 - 77) + 7)) + 7/7) \\
&:= ((8 + 8) \times (8 \times (8 + 8) - 8)) - 8/8 \\
&:= (9/9 + 9 + 9) \times ((9 + 9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1920 &:= (11^{1+1} - 1) \times (1 + 1)^{1+1+1+1} \\
&:= 2 \times (2 \times (22^2 - (2 + 2))) \\
&:= 3 + (3 \times (3 \times ((3 + 3)^3 - 3))) \\
&:= (4 + 4) \times (4^4 - 4 \times 4) \\
&:= (55 + 5) \times ((5 + 5)/5)^5 \\
&:= (6 \times 6 - 6) \times ((6 + 6)/6)^6 \\
&:= (7/7 + 7 + 7) \times ((7 + 7)/7)^7 \\
&:= (8 + 8) \times (8 \times (8 + 8) - 8) \\
&:= (9/9 + 9) \times (999/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1921 &:= 1 + ((11^{1+1} - 1) \times (1 + 1)^{1+1+1+1}) \\
&:= (((2^{2+2+2} - 2)^2) - 2)/2 \\
&:= 3 + ((3 \times (3 \times ((3 + 3)^3 - 3))) + 3/3) \\
&:= 4/4 + ((4 + 4) \times (4^4 - 4 \times 4)) \\
&:= 5/5 + ((55 + 5) \times ((5 + 5)/5)^5) \\
&:= 6/6 + ((6 \times 6 - 6) \times ((6 + 6)/6)^6) \\
&:= 7/7 + ((7/7 + 7 + 7) \times ((7 + 7)/7)^7) \\
&:= 8/8 + ((8 + 8) \times (8 \times (8 + 8) - 8)) \\
&:= 9 \times (9 \times 9 + 9) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1922 &:= (1 + 1) \times ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1}) \\
&:= ((2^{2+2+2} - 2)^2)/2 \\
&:= (((3 \times (3 + 3))^3 + 33)/3) - 33 \\
&:= (4 + 4)/4 + ((4 + 4) \times (4^4 - 4 \times 4)) \\
&:= (5 + 5)/5 + ((55 + 5) \times ((5 + 5)/5)^5) \\
&:= 6 + ((6 \times 6 - 6) \times ((6 + 6)/6)^6) \\
&:= 77/7 + (7 \times ((7 \times 7 \times 7 - 77) + 7)) \\
&:= (8 + 8)/8 + ((8 + 8) \times (8 \times (8 + 8) - 8)) \\
&:= ((9 + 9)/9) \times ((9 \times (99 + 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1923 &:= 1 + ((1 + 1) \times ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1})) \\
&:= (2 \times 22)^2 - (22/2 + 2) \\
&:= 3 + ((3 \times (3 \times ((3 + 3)^3 - 3))) + 3) \\
&:= 4 + (44 \times 44 - (4 \times 4 + 4/4)) \\
&:= (((5 + 5)/5)^{55/5}) - 5 \times 5 \times 5 \\
&:= 6 \times 6 + ((66/6 + 6) \times 666/6) \\
&:= (7 \times 7 \times (7 \times 7 - 7)) - (((7 + 7)/7)^7 + 7) \\
&:= 888 + (8 \times 8 \times (8 + 8) + (88/8)) \\
&:= (9 + 9) \times (99 + 9) - (((99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1924 &:= (1 + 1)^{11} - (1 + (1 + (1 + 11^{1+1}))) \\
&:= 2 \times ((2 \times (22^2 - 2)) - 2) \\
&:= (3 \times (3 \times (3 + 3)^3 - 3)) - 33/3 \\
&:= 4 + ((4 + 4) \times (4^4 - 4 \times 4)) \\
&:= (55 \times ((5 \times 5 + 5) + 5)) - 5/5 \\
&:= (6 \times 6 + 6/6) \times (((6 + 6)/6)^6 - (6 + 6)) \\
&:= (77 \times (77/7 + 7 + 7)) - 7/7 \\
&:= (8/((8 + 8)/8)) + ((8 + 8) \times (8 \times (8 + 8) - 8)) \\
&:= (9 + 9) \times (99 + 9) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1925 &:= (1 + 1)^{11} - (1 + (1 + 11^{1+1})) \\
&:= (2 \times 22)^2 - 22/2 \\
&:= ((33/3)^3) + 3 \times 33 \times (3 + 3) \\
&:= 44 \times 44 - 44/4 \\
&:= 55 \times ((5 \times 5 + 5) + 5) \\
&:= (6 - 6/6) \times (6 \times 66 - (66/6)) \\
&:= 77 \times (77/7 + 7 + 7) \\
&:= 88/8 \times (888/8 + 8 \times 8) \\
&:= (9 + 9) \times (99 + 9) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1926 &:= (1 + 1)^{11} - (1 + 11^{1+1}) \\
&:= (2 \times (2 \times (22^2 - 2))) - 2 \\
&:= 3 \times ((3 \times ((3 + 3)^3 - 3)) + 3) \\
&:= (4 - 44)/4 + 44 \times 44 \\
&:= 5/5 + (55 \times ((5 \times 5 + 5) + 5)) \\
&:= 6 + ((6 \times 6 - 6) \times ((6 + 6)/6)^6) \\
&:= 7/7 + (77 \times (77/7 + 7 + 7)) \\
&:= 8 + (((8 + 8) \times (8 \times (8 + 8) - 8)) - ((8 + 8)/8)) \\
&:= (9 + 9) \times ((99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1927 &:= (1 + 1)^{11} - 11^{1+1} \\
&:= 2 + ((2 \times 22)^2 - 22/2) \\
&:= 3/3 + (3 \times (3 \times ((3 + 3)^3 - 3)) + 3) \\
&:= 44 \times 44 - ((4/4 + 4) + 4) \\
&:= (5 + 5)/5 + (55 \times ((5 \times 5 + 5) + 5)) \\
&:= 6 + (((6 \times 6 - 6) \times ((6 + 6)/6)^6) + 6/6) \\
&:= 7 + ((7/7 + 7 + 7) \times ((7 + 7)/7)^7) \\
&:= 8 + (((8 + 8) \times (8 \times (8 + 8) - 8)) - 8/8) \\
&:= 9/9 + ((9 + 9) \times ((99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1928 &:= 1 + ((1 + 1)^{11} - 11^{1+1}) \\
&:= 2 \times (2 \times (22^2 - 2)) \\
&:= 33/3 + (3 \times (3 \times ((3 + 3)^3 - 3))) \\
&:= 44 \times 44 - 4 - 4 \\
&:= 5 + (((5 + 5)/5)^{55/5}) - 5 \times 5 \times 5 \\
&:= 6 + ((66 \times (6 \times 6 - 6) - ((6 + 6)/6)^6) + 6) \\
&:= 7 + (((7/7 + 7 + 7) \times ((7 + 7)/7)^7) + 7/7) \\
&:= 8 + ((8 + 8) \times (8 \times (8 + 8) - 8)) \\
&:= 9 + ((9/9 + 9 + 9) \times ((9 + 9)/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1929 &:= 1 + (1 + ((1 + 1)^{11} - 11^{1+1})) \\
&:= 2/2 + (2 \times (2 \times (22^2 - 2))) \\
&:= 3 + (3 \times (3 \times ((3 + 3)^3 - 3)) + 3) \\
&:= 4 + (44 \times 44 - 44/4) \\
&:= 5 + ((55 \times ((5 \times 5 + 5) + 5)) - 5/5) \\
&:= (((6 \times 666) - 6)/(6 + 6)/6) - 66 \\
&:= (7 \times 7 \times (77 + 7)) - (((7 + 7 + 7)/7)^7) \\
&:= 8 + (((8 + 8) \times (8 \times (8 + 8) - 8)) + 8/8) \\
&:= 9 + ((9/9 + 9) \times (999/9 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1930 &:= 1 + (1 + (1 + ((1 + 1)^{11} - 11^{1+1}))) \\
&:= 2 + (2 \times (2 \times (22^2 - 2))) \\
&:= (((3 \times (3 + 3))^3 - 33)/3) - 3 \\
&:= 44 \times 44 - ((4 + 4)/4 + 4) \\
&:= 5 + (55 \times ((5 \times 5 + 5) + 5)) \\
&:= (6 - 6/6) \times (((6 - 66)/6) + 6 \times 66) \\
&:= (7 \times 7 \times (7 \times 7 - 7)) - ((7 + 7)/7)^7 \\
&:= 8 + (((8 + 8) \times (8 \times (8 + 8) - 8)) + ((8 + 8)/8)) \\
&:= 9 + (9999/9 + 9 \times (9 \times 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1931 &:= 1 + (1 + (1 + (1 + ((1 + 1)^{11} - 11^{1+1})))) \\
&:= (2 \times 22)^2 - (2/2 + 2 + 2) \\
&:= (((3 \times (3 + 3))^3 - 3)/3) - (3 \times 3 + 3) \\
&:= 44 \times 44 - (4/4 + 4) \\
&:= 5 + ((55 \times ((5 \times 5 + 5) + 5)) + 5/5) \\
&:= 6 + ((6 - 6/6) \times (6 \times 66 - (66/6))) \\
&:= 7 + ((77 \times (77/7 + 7 + 7)) - 7/7) \\
&:= 88/8 + ((8 + 8) \times (8 \times (8 + 8) - 8)) \\
&:= (9 + 9) \times (99 + 9) - ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1932 &:= (1 + 1) \times ((1 + 1) \times (((11 + 11)^{1+1}) - 1)) \\
&:= 2 \times (2 \times 22^2 - 2) \\
&:= (3 \times (3 \times (3 + 3)^3 - 3)) - 3 \\
&:= 44 \times 44 - 4 \\
&:= ((5 + 5)/5 + 5) \times (5 \times 55 + 5/5) \\
&:= 6 \times 6 \times (66 - 6 - 6) - 6 - 6 \\
&:= 7 + (77 \times (77/7 + 7 + 7)) \\
&:= ((8 + 8)/8) \times ((88 \times 88 - (8 + 8))/8) \\
&:= ((99 + 9)/9) \times (9 \times (9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1933 &:= (1+1)^{11} - (1+(1+1+1+111)) \\
&:= (2 \times 22)^2 - 2/2 - 2 \\
&:= ((3 \times (3+3))^3 - 33)/3 \\
&:= 4/4 + (44 \times 44 - 4) \\
&:= 55 + ((5/5+5) \times (5^5+5)/(5+5)) \\
&:= 6 \times 6 \times (66 - 6 - 6) - 66/6 \\
&:= 7 + ((77 \times (77/7+7+7)) + 7/7) \\
&:= 8 + (88/8 \times (888/8+8 \times 8)) \\
&:= (9+9) \times (99+9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1934 &:= (1+1)^{11} - (1+1+1+111) \\
&:= (2 \times 22)^2 - 2 \\
&:= (((3 \times (3+3))^3 - 3)/3) - 3 \times 3 \\
&:= 44 \times 44 - (4+4)/4 \\
&:= ((5/5+5)^5/(5-5/5)) - 5 - 5 \\
&:= ((6-66)/6) + 6 \times 6 \times (66-6-6) \\
&:= 7 + (((7/7+7+7) \times ((7+7)/7)^7) + 7) \\
&:= ((8+8)/8) \times ((88 \times 88 - 8)/8) \\
&:= (9+9) \times (99+9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1935 &:= (1+1)^{11} - (1+1+111) \\
&:= (2 \times 22)^2 - 2/2 \\
&:= 3 \times (3 \times (3+3)^3 - 3) \\
&:= 44 \times 44 - 4/4 \\
&:= 5 + ((55 \times ((5 \times 5+5) + 5)) + 5) \\
&:= (6 \times 6/(6+6) + 6) \times (6 \times 6 \times 6 - 6/6) \\
&:= (7/7 + 7+7) \times (((7+7)/7)^7 + 7/7) \\
&:= (8-8/8+8) \times (8 \times (8+8) + 8/8) \\
&:= (9+9) \times (99+9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1936 &:= (1+1)^{11} - (1+111) \\
&:= (2 \times 22)^2 \\
&:= 3 + (((3 \times (3+3))^3 - 33)/3) \\
&:= 44 \times 44 \\
&:= (55 - (55/5))^{(5+5)/5} \\
&:= (((6+6)/6) + 6 \times 6) + 6^{(6+6)/6} \\
&:= (((7+7)/7 - 7) + 7 \times 7)^{(7+7)/7} \\
&:= 88 \times (88+88)/8 \\
&:= 9/9 + ((9+9) \times (99+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1937 &:= (1+1)^{11} - 111 \\
&:= 2/2 + (2 \times 22)^2 \\
&:= (((3 \times (3+3))^3 - 3)/3) - (3+3) \\
&:= 4/4 + 44 \times 44 \\
&:= 5 + (((5+5)/5+5) \times (5 \times 55+5/5)) \\
&:= 6 \times 6 \times (66 - 6 - 6) - 6/6 - 6 \\
&:= 7 + ((7 \times 7 \times (7 \times 7 - 7)) - ((7+7)/7)^7) \\
&:= 8/8 + (88 \times (88+88)/8) \\
&:= (9+9)/9 + ((9+9) \times (99+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1938 &:= 1 + ((1+1)^{11} - 111) \\
&:= 2 + (2 \times 22)^2 \\
&:= 3 + (3 \times (3 \times (3+3)^3 - 3)) \\
&:= (4+4)/4 + 44 \times 44 \\
&:= (5+5)/5 \times ((5-5/5)^5 - 55) \\
&:= 6 \times 6 \times (66 - 6 - 6) - 6 \\
&:= 77 + ((7 \times (7 \times 7 \times 7 - 77)) - 7/7) \\
&:= ((8+8)/8) \times ((88 \times 88 + 8)/8) \\
&:= (9/9+9+9) \times (999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1939 &:= 1 + (1 + ((1+1)^{11} - 111)) \\
&:= 2 + ((2 \times 22)^2 + 2/2) \\
&:= (((3 \times (3+3))^3 + 3)/3) - (3+3) \\
&:= 4 + (44 \times 44 - 4/4) \\
&:= ((5/5+5)^5/(5-5/5)) - 5 \\
&:= 6/6 + (6 \times 6 \times (66 - 6 - 6) - 6) \\
&:= 77 + (7 \times (7 \times 7 \times 7 - 77)) \\
&:= 8 + (((8+8) \times (8 \times (8+8) - 8)) + (88/8)) \\
&:= 99 + (9999/9 + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1940 &:= 1 + (1 + (1 + ((1+1)^{11} - 111))) \\
&:= 2 + ((2 \times 22)^2 + 2) \\
&:= (((3 \times (3+3))^3 - 3)/3) - 3 \\
&:= 4 + 44 \times 44 \\
&:= 5 + (((55 \times ((5 \times 5+5) + 5)) + 5) + 5) \\
&:= (6+6)/6 + (6 \times 6 \times (66 - 6 - 6) - 6) \\
&:= 7/7 + ((7 \times (7 \times 7 \times 7 - 77)) + 77) \\
&:= ((8+8)/8) \times (88 \times 88 + 8+8)/8 \\
&:= (99/9+9) \times (99 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1941 &:= 1 + (1 + (1 + (1 + ((1+1)^{11} - 111)))) \\
&:= 2 + (((2 \times 22)^2 + 2/2) + 2) \\
&:= (3 \times 3 \times (3+3)^3) - 3 \\
&:= 4 + (44 \times 44 + 4/4) \\
&:= 5 + ((55 - (55/5))^{(5+5)/5}) \\
&:= ((6 - (6^{6-6/6})) + 6)/((6+6)/6 - 6) \\
&:= 7 + (((7/7+7+7) \times ((7+7)/7)^7) + 7) + 7) \\
&:= 8 + ((88/8 \times (888/8+8 \times 8)) + 8) \\
&:= (9+9) \times (99+9) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1942 &:= 1 + (1 + (1 + (1 + (1 + ((1+1)^{11} - 111)))))) \\
&:= 2 + (((2 \times 22)^2 + 2) + 2) \\
&:= (((3 \times (3+3))^3 - (3+3))/3) \\
&:= 4 + (44 \times 44 + (4+4)/4) \\
&:= ((5/5+5)^5/(5-5/5)) - (5+5)/5 \\
&:= 6 \times 6 \times (66 - 6 - 6) - (6+6)/6 \\
&:= (7 \times ((7-7 \times 7) + 7)) + (((7+7+7)/7)^7) \\
&:= 8 + (((8+8)/8) \times ((88 \times 88 - 8)/8)) \\
&:= (9+9) \times (99+9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1943 &:= (1+1)^{11} - (111 - ((1+1) \times (1+1+1))) \\
&:= (2 \times (2 \times (22^2 + 2))) - 2/2 \\
&:= ((3 \times (3+3))^3 - 3)/3 \\
&:= 4 + ((44 \times 44 - 4/4) + 4) \\
&:= ((5/5+5)^5/(5-5/5)) - 5/5 \\
&:= 6 \times 6 \times (66 - 6 - 6) - 6/6 \\
&:= 7 + (((7+7)/7 - 7) + 7 \times 7)^{(7+7)/7} \\
&:= 8 + ((8-8/8+8) \times (8 \times (8+8) + 8/8)) \\
&:= (9+9) \times (99+9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1944 &:= (1+1) \times ((1+11) \times (11-1-1)^{1+1}) \\
&:= 2 \times (2 \times (22^2 + 2)) \\
&:= 3 \times 3 \times (3+3)^3 \\
&:= 4 + (44 \times 44 + 4) \\
&:= (5/5+5)^5/(5-5/5) \\
&:= 6 \times (6 \times (66 - 6 - 6)) \\
&:= (7-7/7) \times ((77/7+7)^{(7+7)/7}) \\
&:= 8 + (88 \times (88+88)/8) \\
&:= (9+9) \times (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1945 &:= 1 + ((1+1) \times ((1+11) \times (11-1-1)^{1+1})) \\
&:= 2/2 + (2 \times (2 \times (22^2 + 2))) \\
&:= ((3 \times (3+3))^3 + 3)/3 \\
&:= 4 + ((44 \times 44 + 4/4) + 4) \\
&:= 5^5 - (5^5/5 + 555) \\
&:= 6/6 + 6 \times 6 \times (66 - 6 - 6) \\
&:= 7 + (((7 \times (7 \times 7 \times 7 - 77)) - 7/7) + 77) \\
&:= 8 + ((88 \times (88+88)/8) + 8/8) \\
&:= 9/9 + (9+9) \times (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1946 &:= 11 + ((1+1)^{11} - (1+1+111)) \\
&:= 2 + (2 \times (2 \times (22^2 + 2))) \\
&:= 3 + (((3 \times (3+3))^3 - 3)/3) \\
&:= 44 \times 44 + (44 - 4)/4 \\
&:= 5^5 + (((5-5^5)/5) - 555) \\
&:= (6+6)/6 + 6 \times 6 \times (66 - 6 - 6) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 - 77)) + 77) \\
&:= 8 + (((8+8)/8) \times ((88 \times 88 + 8)/8)) \\
&:= (9+9)/9 + (9+9) \times (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1947 &:= 11 + ((1+1)^{11} - (1+111)) \\
&:= 22/2 + (2 \times 22)^2 \\
&:= 3 + (3 \times 3 \times (3+3)^3) \\
&:= 44/4 + 44 \times 44 \\
&:= 5^5 + (((5-5^5) + 5)/5) - 555 \\
&:= 66/6 \times (666/6 + 66) \\
&:= 77/7 \times (((7+7)/7)^7 + 7 \times 7) \\
&:= 88/8 \times ((88+88) + 8/8) \\
&:= ((9+9+9)/9) + (9+9) \times (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1948 &:= 11 + ((1+1)^{11} - 111) \\
&:= 2 \times ((2 \times (22^2 + 2)) + 2) \\
&:= 3 + (((3 \times (3+3))^3 + 3)/3) \\
&:= 4 + ((44 \times 44 + 4) + 4) \\
&:= 5 + (((5/5 + 5)^5 / (5 - 5/5)) - 5/5) \\
&:= 6 + (6 \times 6 \times (66 - 6 - 6) - ((6+6)/6)) \\
&:= ((7 - 777)/7) + (7 \times 7 \times (7 \times 7 - 7)) \\
&:= 8 + (((8+8)/8) \times (88 \times 88 + 8 + 8)/8) \\
&:= ((9+9)/9) \times ((9 \times (99+9)) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1949 &:= 1 + (11 + ((1+1)^{11} - 111)) \\
&:= 2 + ((2 \times 22)^2 + 22/2) \\
&:= 3 + (((3 \times (3+3))^3 - 3)/3) + 3 \\
&:= 4 + (((44 \times 44 + 4/4) + 4) + 4) \\
&:= 5 + ((5/5 + 5)^5 / (5 - 5/5)) \\
&:= 6 + (6 \times 6 \times (66 - 6 - 6) - 6/6) \\
&:= (7 \times (7 \times (7 \times 7 - 7) - (7+7))) - 77/7 \\
&:= (8 \times (8+8) \times (8+8)) - (88/8 + 88) \\
&:= (((9+9)/9)^{99/9}) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1950 &:= 1 + (1 + (11 + ((1+1)^{11} - 111))) \\
&:= 2 + (2 \times ((2 \times (22^2 + 2)) + 2)) \\
&:= 3 + ((3 \times 3 \times (3+3)^3) + 3) \\
&:= 4 + (44 \times 44 + (44 - 4)/4) \\
&:= (5+5+5) \times (5 \times 5 \times 5 + 5) \\
&:= 6 + 6 \times 6 \times (66 - 6 - 6) \\
&:= (7/7 + 77) \times (77/7 + 7 + 7) \\
&:= ((8+8)/8) \times (((88 \times 88 - 8)/8) + 8) \\
&:= 9 + ((9+9) \times (99+9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1951 &:= 1 + (1 + (1 + (11 + ((1+1)^{11} - 111)))) \\
&:= 2 + (((2 \times 22)^2 + 22/2) + 2) \\
&:= 3 + (((3 \times (3+3))^3 + 3)/3) + 3 \\
&:= 4 + (44 \times 44 + 44/4) \\
&:= 5/5 + ((5+5+5) \times (5 \times 5 \times 5 + 5)) \\
&:= 6 + (6 \times 6 \times (66 - 6 - 6) + 6/6) \\
&:= 7 + ((7 - 7/7) \times ((77/7 + 7)^{(7+7)/7})) \\
&:= 8 \times 8 + ((8/8 + 8 + 8) \times 888/8) \\
&:= 9 + ((9+9) \times (99+9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1952 &:= (1 + 11^{1+1}) \times (1 + 1)^{1+1+1+1} \\
&:= 2 \times (2 \times (22^2 + 2 + 2)) \\
&:= 3 \times 3 + (((3 \times (3+3))^3 - 3)/3) \\
&:= 4 \times (444 + 44) \\
&:= ((5+5)/5)^5 \times ((55+5/5) + 5) \\
&:= 6 + (6 \times 6 \times (66 - 6 - 6) + ((6+6)/6)) \\
&:= 777 + ((7+7) \times (77+7) - 7/7) \\
&:= (8+8) \times ((888+88)/8) \\
&:= 9 + ((9+9) \times (99+9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1953 &:= 1 + ((1 + 11^{1+1}) \times (1 + 1)^{1+1+1+1}) \\
&:= 2/2 + ((2 \times 22)^2 + 2^{2+2}) \\
&:= 3 \times (3 \times (3+3)^3 + 3) \\
&:= 4 \times 4 + (44 \times 44 + 4/4) \\
&:= (5 - (5+5)/5) \times ((5^5 + 5)/5 + 5 \times 5) \\
&:= 6 + ((66/6) \times (666/6 + 66)) \\
&:= 777 + (7+7) \times (77+7) \\
&:= 8/8 + ((8+8) \times ((888+88)/8)) \\
&:= 9 + (9+9) \times (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1954 &:= 1 + (1 + ((1 + 11^{1+1}) \times (1 + 1)^{1+1+1+1})) \\
&:= 2 + ((2 \times 22)^2 + 2^{2+2}) \\
&:= 3 \times 3 + (((3 \times (3+3))^3 + 3)/3) \\
&:= 4 \times 4 + (44 \times 44 + (4+4)/4) \\
&:= 5 + (((5/5 + 5)^5 / (5 - 5/5)) + 5) \\
&:= ((66 - 6)/6) + 6 \times 6 \times (66 - 6 - 6) \\
&:= 7 + (77/7 \times (((7+7)/7)^7 + 7 \times 7)) \\
&:= ((8+8)/8) \times (((88 \times 88 + 8)/8) + 8) \\
&:= 9 + ((9+9) \times (99+9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1955 &:= (1 + 1)^{11} - (((1 + 1)^{11-1} - 1)/11) \\
&:= 22 + ((2 \times 22)^2 - (2/2 + 2)) \\
&:= ((3 \times (3+3))^3 + 33)/3 \\
&:= 4 + ((44 \times 44 + 44/4) + 4) \\
&:= 5 + ((5+5+5) \times (5 \times 5 \times 5 + 5)) \\
&:= 66/6 + 6 \times 6 \times (66 - 6 - 6) \\
&:= (7 - ((7+7)/7)) \times (7 \times (7 \times 7 + 7) - 7/7) \\
&:= 8 + (88/8 \times ((88+88) + 8/8)) \\
&:= 99/9 + (9+9) \times (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1956 &:= (1 + 1) \times (1111 - (1 + (11 \times (1 + 11)))) \\
&:= 22 + ((2 \times 22)^2 - 2) \\
&:= 3 + (3 \times (3 \times (3+3)^3 + 3)) \\
&:= 4 + (44 \times 44 + 4 \times 4) \\
&:= 5 + (((5+5+5) \times (5 \times 5 \times 5 + 5)) + 5/5) \\
&:= 6 + (6 \times 6 \times (66 - 6 - 6) + 6) \\
&:= (77/7 - 7) \times (7 \times (77 - 7) - 7/7) \\
&:= (((8 \times 8 \times 8) - 8)/((8+8)/8)) - 88 \\
&:= ((99+9)/9) + (9+9) \times (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1957 &:= (1 + 1)^{11} - (1 + (11 - 1) \times (11 - 1 - 1)) \\
&:= 22 + ((2 \times 22)^2 - 2/2) \\
&:= 3 + (((3 \times (3+3))^3 + 3)/3) + 3 \times 3 \\
&:= (((4 - 4/4) + 4)^4) - 444 \\
&:= 5 + (((5+5)/5)^5 \times ((55+5/5) + 5)) \\
&:= 6 + ((6 \times 6 \times (66 - 6 - 6) + 6/6) + 6) \\
&:= 7 + ((7/7 + 77) \times (77/7 + 7 + 7)) \\
&:= (88/8 + 8) \times (888/8 - 8) \\
&:= (9/9 + 9 + 9) \times (((999+9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1958 &:= (1 + 1) \times (11 \times (111 - 11 - 11)) \\
&:= 22 + (2 \times 22)^2 \\
&:= 3 + (((3 \times (3+3))^3 + 33)/3) \\
&:= 44/4 \times (4 \times 44 + (4+4)/4) \\
&:= 5^5 - ((5555+5)/5 + 55) \\
&:= 66/6 \times ((666+6)/6 + 66) \\
&:= ((7+7)/7) \times ((7+7) \times (77 - 7) - 7/7) \\
&:= (8/8 + 88) \times (88 + 88)/8 \\
&:= 9 + (((9+9)/9)^{99/9}) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1959 &:= 11 + (11 + ((1+1)^{11} - 111)) \\
&:= 22 + ((2 \times 22)^2 + 2/2) \\
&:= 3 + ((3 \times (3 \times (3+3)^3 + 3)) + 3) \\
&:= ((4+4) \times (4^4 - 44/4)) - 4/4 \\
&:= 5^5 - (5555/5 + 55) \\
&:= ((6 \times (666 - (6+6))) - 6)/((6+6)/6) \\
&:= (7 \times (7 \times (7 \times 7 - 7) - (7+7))) - 7/7 \\
&:= (8 \times (8+8) \times (8+8)) - (8/8 + 88) \\
&:= ((99 - 9/9) \times (99/9 + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1960 &:= (11 - 1) \times (1 + 1 + 1 + 11)^{1+1} \\
&:= 2 + ((2 \times 22)^2 + 22) \\
&:= 3^3 + (((3 \times (3+3))^3 - 33)/3) \\
&:= (4+4) \times (4^4 - 44/4) \\
&:= ((5+5)/5 + 5) \times (5 \times 55 + 5) \\
&:= 666 + (6 \times 6 \times 6 \times 6 - ((6+6)/6)) \\
&:= 7 \times (7 \times (7 \times 7 - 7) - (7+7)) \\
&:= (8 \times (8+8) \times (8+8)) - 88 \\
&:= (99 - 9/9) \times (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1961 &:= 1 + (11 - 1) \times (1 + 1 + 1 + 11)^{1+1} \\
&:= 2 + (((2 \times 22)^2 + 22) + 2/2) \\
&:= 3 + (((3 \times (3+3))^3 + 33)/3) + 3 \\
&:= 4 + (((4 - 4/4) + 4)^4) - 444 \\
&:= 5 \times 5 + ((55 - (55/5))^{(5+5)/5}) \\
&:= 666 + (6 \times 6 \times 6 \times 6 - 6/6) \\
&:= 7/7 + (7 \times (7 \times (7 \times 7 - 7) - (7+7))) \\
&:= 8/8 + ((8 \times (8+8) \times (8+8)) - 88) \\
&:= 9 + (((9+9) \times (99+9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1962 &:= (1 + 1) \times ((11 - 1 - 1) \times (111 - 1 - 1)) \\
&:= 2 + (((2 \times 22)^2 + 22) + 2) \\
&:= 3 \times ((3 \times (3+3)^3 + 3) + 3) \\
&:= 4 + ((44/((4+4)/4)) + 44 \times 44) \\
&:= (5^5 - 5)/(5+5) + (55 \times (5 \times 5 + 5)) \\
&:= 666 + 6 \times 6 \times 6 \times 6 \\
&:= ((7+7)/7) + (7 \times (7 \times (7 \times 7 - 7) - (7+7))) \\
&:= (8+8)/8 + ((8 \times (8+8) \times (8+8)) - 88) \\
&:= 9 + ((9+9) \times (99+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1963 &:= 1 + ((1+1) \times ((11-1-1) \times (111-1-1))) \\
&:= 2 + (((2 \times 22)^2 + 22) + 2/2) + 2 \\
&:= 3/3 + (3 \times ((3 \times (3+3)^3 + 3) + 3)) \\
&:= 4 \times 4 + (44 \times 44 + 44/4) \\
&:= (5^5 + 5)/(5+5) + (55 \times (5 \times 5 + 5)) \\
&:= 6/6 + (6 \times 6 \times 6 + 666) \\
&:= 7 + ((77/7 - 7) \times (7 \times (77 - 7) - 7/7)) \\
&:= 8 + ((88/8 \times ((88+88) + 8/8)) + 8) \\
&:= 9 + (((9+9) \times (99+9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1964 &:= (1+1) \times (1 + ((11-1-1) \times (111-1-1))) \\
&:= 2 + (((2 \times 22)^2 + 22) + 2) + 2 \\
&:= 3 \times 3 + (((3 \times (3+3))^3 + 33)/3) \\
&:= 4 + ((4+4) \times (4^4 - 44/4)) \\
&:= 5 + (5^5 - (5555/5 + 55)) \\
&:= 666 + (6 \times 6 \times 6 + 6 + ((6+6)/6)) \\
&:= (((7+7)/7)^{77/7}) - (77+7) \\
&:= (((8 \times 8 \times 8 \times 8) + 8)/(8+8)/8) - 88 \\
&:= 9 + ((9+9) \times (99+9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1965 &:= (1+1)^{11} - (1 + (1 + (11-1-1)^{1+1})) \\
&:= 22 + ((2 \times (2 \times (22^2 + 2))) - 2/2) \\
&:= ((3+3) \times 333) - 33 \\
&:= 4 + (((4-4/4) + 4)^4) - 444 + 4 \\
&:= 5 + (((5+5)/5 + 5) \times (5 \times 55 + 5)) \\
&:= ((6 \times 666) - 66)/((6+6)/6) \\
&:= 77 + (7777/7 + 777) \\
&:= 8 + ((88/8 + 8) \times (888/8 - 8)) \\
&:= 9 + ((9+9) \times (99+9) + ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1966 &:= (1+1)^{11} - (1 + (11-1-1)^{1+1}) \\
&:= 22 + (2 \times (2 \times (22^2 + 2))) \\
&:= 3/3 + (((3+3) \times 333) - 33) \\
&:= (4444/((4+4)/4)) - 4^4 \\
&:= 5 + (((5+5)/5 + 5) \times (5 \times 55 + 5)) + 5/5 \\
&:= 66 \times (6 \times 6 - 6) - ((6+6)/6 + 6 + 6) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 - 7) - (7+7))) - 7/7) \\
&:= 8 + ((8/8 + 88) \times (88 + 88)/8) \\
&:= ((9+9)/9) \times ((9 \times (99+9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1967 &:= (1+1)^{11} - (11-1-1)^{1+1} \\
&:= 2^{22/2} - ((2/2 + 2)^{2+2}) \\
&:= 3^3 + (((3 \times (3+3))^3 - 3)/3) - 3 \\
&:= (4^4 \times (4+4)) - (4-4/4)^4 \\
&:= ((5+5)/5 + 5) \times ((5 \times 55 + 5/5) + 5) \\
&:= 66 \times (6 \times 6 - 6) - (6/6 + 6 + 6) \\
&:= 7 + (7 \times (7 \times (7 \times 7 - 7) - (7+7))) \\
&:= 8 + ((8 \times (8+8) \times (8+8)) - (8/8 + 88)) \\
&:= (((9+9)/9)^{99/9}) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1968 &:= 1 + ((1+1)^{11} - (11-1-1)^{1+1}) \\
&:= 2 \times (2 \times 22^2 + 2^{2+2}) \\
&:= (3 \times (3 \times ((3+3)^3 + 3))) - 3 \\
&:= 4 \times ((444 + 44) + 4) \\
&:= (55/5 + 5) \times (5 \times 5 \times 5 - ((5+5)/5)) \\
&:= 66 \times (6 \times 6 - 6) - 6 - 6 \\
&:= (7 \times 7 - 7/7) \times (7 \times 7 - (7/7 + 7)) \\
&:= 8 + ((8 \times (8+8) \times (8+8)) - 88) \\
&:= 9/9 + (((9+9)/9)^{99/9}) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1969 &:= 11 \times (11 + ((1+1+11)^{1+1} - 1)) \\
&:= 22 + ((2 \times 22)^2 + 22/2) \\
&:= 3^3 + (((3 \times (3+3))^3 - (3+3))/3) \\
&:= 44 + (44 \times 44 - 44/4) \\
&:= 5 \times 5 + ((5/5 + 5)^5 / (5 - 5/5)) \\
&:= 66 \times (6 \times 6 - 6) - 66/6 \\
&:= 7 \times 7 + ((7/7 + 7 + 7) \times ((7+7)/7)^7) \\
&:= 8 + (((8 \times (8+8) \times (8+8)) - 88) + 8/8) \\
&:= 9 + ((99 - 9/9) \times (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1970 &:= 111 + (11 \times (1+1+11)^{1+1}) \\
&:= 2 + ((2 \times 22)^2 + 2 \times 2^{2+2}) \\
&:= 3^3 + (((3 \times (3+3))^3 - 3)/3) \\
&:= 4 + ((4444/((4+4)/4)) - 4^4) \\
&:= (5 \times ((5-5/5)^5 - 5)) - 5^5 \\
&:= (6 - 6/6) \times (6 \times 66 - ((6+6)/6)) \\
&:= ((77 - 7)/7) \times ((7+7) \times (7+7) + 7/7) \\
&:= 8 + (((8 \times (8+8) \times (8+8)) - 88) + ((8+8)/8)) \\
&:= 9 \times 9 \times (9+9) + (((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1971 &:= (11-1-1) \times (((1+1) \times (111-1)) - 1) \\
&:= 2 + (((2 \times 22)^2 + 22/2) + 22) \\
&:= 3 \times (3 \times ((3+3)^3 + 3)) \\
&:= 4 + ((4^4 \times (4+4)) - (4-4/4)^4) \\
&:= 5/5 + ((5 \times ((5-5/5)^5 - 5)) - 5^5) \\
&:= 6 + (((6 \times 666) - 66)/((6+6)/6)) \\
&:= (((7+7)/7)^{77/7}) - 77 \\
&:= 88/8 + ((8 \times (8+8) \times (8+8)) - 88) \\
&:= 999 + (9 \times (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1972 &:= 1 + ((11-1-1) \times (((1+1) \times (111-1)) - 1)) \\
&:= 2 \times (2 \times (22^2 - 2)) + 22 \\
&:= 3^3 + (((3 \times (3+3))^3 + 3)/3) \\
&:= ((4+4) \times (4^4 - 4)) - 44 \\
&:= (((55+5)/5) + 5) \times (555/5 + 5) \\
&:= 66 \times (6 \times 6 - 6) - ((6+6)/6 + 6) \\
&:= 7/7 + (((7+7)/7)^{77/7}) - 77 \\
&:= (8 \times ((8+8) \times (8+8) - 8)) - (88 + 8)/8 \\
&:= 9/9 + ((9 \times (99+9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1973 &:= 1 + (1 + ((11-1-1) \times (((1+1) \times (111-1)) - 1))) \\
&:= 2/2 + ((2 \times 22)^2 + (2+2+2)^2) \\
&:= 3 + (((3 \times (3+3))^3 - 3)/3 + 3^3) \\
&:= 4/4 + (((4+4) \times (4^4 - 4)) - 44) \\
&:= (5 \times (5 \times 55 - 5)) + (5^5 - 5 - 5)/5 \\
&:= 66 \times (6 \times 6 - 6) - 6/6 - 6 \\
&:= 777/7 + (7 \times (7 \times 7 - 77)) \\
&:= (8 \times ((8+8) \times (8+8) - 8)) - 88/8 \\
&:= 9 + (((9+9) \times (99+9) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1974 &:= (1+1) \times ((11-1)^{1+1+1} - (1+1+11)) \\
&:= 2 + ((2 \times 22)^2 + (2+2+2)^2) \\
&:= 3 + (3 \times (3 \times ((3+3)^3 + 3))) \\
&:= 44 + (44 \times 44 - ((4+4)/4 + 4)) \\
&:= (5^5 - 5)/5 + (5 \times (5 \times 55 - 5)) \\
&:= 66 \times (6 \times 6 - 6) - 6 \\
&:= (7 - 7/7) \times (7 \times 7 \times 7 - (7+7)) \\
&:= (8 - 88)/8 + (8 \times ((8+8) \times (8+8) - 8)) \\
&:= 9 \times 9 + ((9+9) \times 99 + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1975 &:= 1111 + (((1+11)^{1+1+1})/(1+1)) \\
&:= (2 \times 22)^2 + (2 \times (22 - 2) - 2/2) \\
&:= 3 + ((3 \times (3 \times ((3+3)^3 + 3))) + 3/3) \\
&:= 44 + (44 \times 44 - (4/4 + 4)) \\
&:= 5 \times (5 \times (5 \times 5 + 55) - 5) \\
&:= 6/6 + (66 \times (6 \times 6 - 6) - 6) \\
&:= 7 + ((7 \times 7 - 7/7) \times (7 \times 7 - (7/7 + 7))) \\
&:= (8 \times ((8+8) \times (8+8) - 8)) - (8/8 + 8) \\
&:= 9 + ((9+9) \times (99+9) + ((99+99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1976 &:= (1+1) \times ((11-1)^{1+1+1} - (1+11)) \\
&:= 2 \times ((2 \times 22^2 - 2) + 22) \\
&:= 33 + (((3 \times (3+3))^3 - 3)/3) \\
&:= 44 + (44 \times 44 - 4) \\
&:= 5/5 + (5 \times (5 \times (5 \times 5 + 55) - 5)) \\
&:= (6+6)/6 + (66 \times (6 \times 6 - 6) - 6) \\
&:= (77 - 7/7) \times ((77+7)/7 + 7 + 7) \\
&:= (8 \times ((8+8) \times (8+8) - 8)) - 8 \\
&:= 9 + (((9+9)/9)^{99/9}) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1977 &:= ((1+1) \times ((11-1)^{1+1+1} - 11)) - 1 \\
&:= 2/2 + ((2 \times 22)^2 + 2 \times (22 - 2)) \\
&:= 33 + (3 \times 3 \times (3+3)^3) \\
&:= 44 + ((44 \times 44 - 4) + 4/4) \\
&:= (5+5)/5 + (5 \times (5 \times (5 \times 5 + 55) - 5)) \\
&:= 66 \times (6 \times 6 - 6) - 6 \times 6/(6+6) \\
&:= 7 + (((77-7)/7) \times ((7+7) \times (7+7) + 7/7)) \\
&:= 8/8 + ((8 \times ((8+8) \times (8+8) - 8)) - 8) \\
&:= (99 \times (99/9 + 9)) - (9+9+9)/9
\end{aligned}$$

- **1978** := $(1+1) \times ((11-1)^{1+1+1} - 11)$
:= $(2 \times 22) + ((2 \times 22)^2 - 2)$
:= $33 + (((3 \times (3+3))^3 + 3)/3)$
:= $44 + (44 \times 44 - (4+4)/4)$
:= $(55 \times (55/5 + 5 \times 5)) - (5+5)/5$
:= $66 \times (6 \times 6 - 6) - (6+6)/6$
:= $7 + (((7+7)/7)^{77/7} - 77)$
:= $(8+8)/8 + ((8 \times ((8+8) \times (8+8) - 8)) - 8) - 8$
:= $(9+9)/9 \times (999 - (9/9+9))$
- **1979** := $1 + ((1+1) \times ((11-1)^{1+1+1} - 11))$
:= $(2 \times 22) + ((2 \times 22)^2 - 2/2)$
:= $((33/3)^3) + 3 \times (3+3)^3$
:= $44 + (44 \times 44 - 4/4)$
:= $(55 \times (55/5 + 5 \times 5)) - 5/5$
:= $66 \times (6 \times 6 - 6) - 6/6$
:= $(7 \times 7 \times (7 \times 7 - 7)) - ((7+7)/7 + 77)$
:= $8 + (((8 \times (8+8) \times (8+8)) - 88) + (88/8))$
:= $(99 \times (99/9 + 9)) - 9/9$
- **1980** := $(1+1) \times ((11-1-1) \times (111-1))$
:= $2 \times (2 \times 22^2 + 22)$
:= $33 \times (3^3 + 33)$
:= $44 + 44 \times 44$
:= $55 \times (55/5 + 5 \times 5)$
:= $66 \times (6 \times 6 - 6)$
:= $(77/7 + 7) \times (777 - 7)/7$
:= $((((8+8)/8) + 8) + 8) \times (888 - 8)/8$
:= $99 \times (99/9 + 9)$
- **1981** := $1 + ((1+1) \times ((11-1-1) \times (111-1)))$
:= $2/2 + ((2 \times 22)^2 + 2 \times 22)$
:= $3/3 + (33 \times (3^3 + 33))$
:= $44 + (44 \times 44 + 4/4)$
:= $5/5 + (55 \times (55/5 + 5 \times 5))$
:= $6/6 + 66 \times (6 \times 6 - 6)$
:= $(7 \times 7 \times (7 \times 7 - 7)) - 77$
:= $8 + ((8 \times ((8+8) \times (8+8) - 8)) - (88/8))$
:= $9/9 + (99 \times (99/9 + 9))$
- **1982** := $(1+1) \times (1 + ((11-1-1) \times (111-1)))$
:= $2 + ((2 \times 22)^2 + 2 \times 22)$
:= $3 + (((33/3)^3) + 3 \times (3+3)^3)$
:= $44 + (44 \times 44 + (4+4)/4)$
:= $(5+5)/5 + (55 \times (55/5 + 5 \times 5))$
:= $(6+6)/6 + 66 \times (6 \times 6 - 6)$
:= $7/7 + ((7 \times 7 \times (7 \times 7 - 7)) - 77)$
:= $(8 \times ((8+8) \times (8+8) - 8)) - (8+8)/8$
:= $(9+9)/9 + (99 \times (99/9 + 9))$
- **1983** := $1 + ((1+1) \times (1 + ((11-1-1) \times (111-1))))$
:= $2 + (((2 \times 22)^2 + 2 \times 22) + 2/2)$
:= $3 + (33 \times (3^3 + 33))$
:= $(4^4 \times (4+4)) - (4^4 + 4)/4$
:= $(((5+5)/5)^{55/5} - (55+5+5))$
:= $(6 \times 6/(6+6)) + 66 \times (6 \times 6 - 6)$
:= $((7+7)/7) + ((7 \times 7 \times (7 \times 7 - 7)) - 77)$
:= $(8 \times ((8+8) \times (8+8) - 8)) - 8/8$
:= $((9+9+9)/9) + (99 \times (99/9 + 9))$
- **1984** := $(1+1)^{11} - ((1+1)^{(1+1) \times (1+1+1)})$
:= $2 \times ((2 \times 22^2 + 22) + 2)$
:= $3 + ((33 \times (3^3 + 33)) + 3/3)$
:= $(4+4) \times (4^4 - 4 - 4)$
:= $(55/5 + 5) \times (5 \times 5 \times 5 - 5/5)$
:= $6 + (66 \times (6 \times 6 - 6) - ((6+6)/6))$
:= $((((7+7+7)/7)^7) - ((7+7) \times (7+7) + 7))$
:= $8 \times ((8+8) \times (8+8) - 8)$
:= $9 \times 99 + (9999/9 - (9+9))$
- **1985** := $1 + ((1+1)^{11} - ((1+1)^{(1+1) \times (1+1+1)}))$
:= $2/2 + ((2 \times 22)^2 + 2 \times (22+2))$
:= $3 + (((33/3)^3) + 3 \times (3+3)^3 + 3)$
:= $4/4 + ((4+4) \times (4^4 - 4 - 4))$
:= $5 + (55 \times (55/5 + 5 \times 5))$
:= $6 + (66 \times (6 \times 6 - 6) - 6/6)$
:= $7 + (((7+7)/7)^{77/7} - 77) + 7$
:= $8/8 + (8 \times ((8+8) \times (8+8) - 8))$
:= $9 + (((9+9)/9)^{99/9} - 9 \times 9) + 9$
- **1986** := $(1+1)^{11} - (1 + ((1+11^{1+1})/(1+1)))$
:= $222 + (2 \times 22 - 2)^2$
:= $3 + ((33 \times (3^3 + 33)) + 3)$
:= $(4+4)/4 + ((4+4) \times (4^4 - 4 - 4))$
:= $5 + ((55 \times (55/5 + 5 \times 5)) + 5/5)$
:= $6 + 66 \times (6 \times 6 - 6)$
:= $(7 - 7/7) \times (7 \times 7 \times 7 - (77+7)/7)$
:= $(8+8)/8 + (8 \times ((8+8) \times (8+8) - 8))$
:= $99 + (((9-9)/9) + 9) \times 999/9$
- **1987** := $(1+1)^{11} - ((1+11^{1+1})/(1+1))$
:= $2/2 + ((2 \times 22 - 2)^2 + 222)$
:= $((3+3) \times 333) - 33/3$
:= $4 + ((4^4 \times (4+4)) - (4^4 + 4)/4)$
:= $(((5+5)^{5-5/5}) - (55+5+5))/5$
:= $6 + (66 \times (6 \times 6 - 6) + 6/6)$
:= $7 + ((77/7 + 7) \times (777 - 7)/7)$
:= $88/8 + ((8 \times ((8+8) \times (8+8) - 8)) - 8)$
:= $999 + (999 - (99/9))$
- **1988** := $(1+1)^{11} - (11^{1+1} - 1)/(1+1)$
:= $2 \times ((2 \times (22^2 + 2)) + 22)$
:= $33 + (((3 \times (3+3))^3 + 33)/3)$
:= $4 + ((4+4) \times (4^4 - 4 - 4))$
:= $(((5+5)/5)^{55/5} - (55+5))$
:= $6 + (66 \times (6 \times 6 - 6) + ((6+6)/6))$
:= $7 + ((7 \times 7 \times (7 \times 7 - 7)) - 77)$
:= $888 + ((8888 - 88)/8)$
:= $9 + ((99 \times (99/9 + 9)) - 9/9)$
- **1989** := $(11-1-1) \times ((1+1) \times 111-1)$
:= $(2/2+2)^2 \times (222-2/2)$
:= $((3+3) \times 333) - 3 \times 3$
:= $4 + (((4+4) \times (4^4 - 4 - 4)) + 4/4)$
:= $(((5+5)^{5-5/5}) - 55)/5$
:= $(66/6+6) \times (666/6+6)$
:= $7 + (((7 \times 7 \times (7 \times 7 - 7)) - 77) + 7/7)$
:= $(8/8+8+8) \times (8 \times (8+8) - (88/8))$
:= $9 + (99 \times (99/9 + 9))$
- **1990** := $1 + ((11-1-1) \times ((1+1) \times 111-1))$
:= $2 + (2 \times ((2 \times (22^2 + 2)) + 22))$
:= $3 + (((3+3) \times 333) - 33/3)$
:= $4 + (((4+4) \times (4^4 - 4 - 4)) + (4+4)/4)$
:= $(5 \times (5 - 5/5)^5) - (5^5 + 5)$
:= $(6 - 6/6) \times (((6+6)/6) + 6 \times 66)$
:= $((7+7)/7)^7 + (7 \times (7 \times 7 \times 7 - 77))$
:= $8 + ((8 \times ((8+8) \times (8+8) - 8)) - ((8+8)/8))$
:= $9 + ((99 \times (99/9 + 9)) + 9/9)$
- **1991** := $11 \times (1 + (11 + (1+1+11)^{1+1}))$
:= $2 + ((2/2+2)^2 \times (222-2/2))$
:= $33/3 + (33 \times (3^3 + 33))$
:= $44 + (44 \times 44 + 44/4)$
:= $((((5+5)^{5-5/5}) + 5)/5) - 5 - 5$
:= $66/6 + 66 \times (6 \times 6 - 6)$
:= $((((7+7+7)/7)^7) - (7+7) \times (7+7))$
:= $8 + ((8 \times ((8+8) \times (8+8) - 8)) - 8/8)$
:= $99/9 + (99 \times (99/9 + 9))$
- **1992** := $(1+1)^{11} - (1+111)/(1+1)$
:= $2 \times (((2 \times (22^2 + 2)) + 22) + 2)$
:= $(3+3) \times (333 - 3/3)$
:= $4 + (((4+4) \times (4^4 - 4 - 4)) + 4)$
:= $((55+5)/5) \times (555/5 + 55)$
:= $6 + (66 \times (6 \times 6 - 6) + 6)$
:= $(7 - 7/7) \times (7 \times 7 \times 7 - (77/7))$
:= $8 + (8 \times ((8+8) \times (8+8) - 8))$
:= $99 + ((9+9) \times 99 + 999/9)$

$$\begin{aligned}
\blacktriangleright 1993 &:= (1+1)^{11} - (111-1)/(1+1) \\
&:= 2 \times 22^2 + (2^{22/2} + 2)/2 \\
&:= 3/3 + ((3+3) \times (333-3/3)) \\
&:= (4^4 \times (4+4)) - (44/4 + 44) \\
&:= (((5+5)/5)^{55/5}) - 55 \\
&:= 6 + ((66 \times (6 \times 6 - 6) + 6/6) + 6) \\
&:= 7777/7 + 7 \times (77 + 7 \times 7) \\
&:= 8 + ((8 \times ((8+8) \times (8+8) - 8)) + 8/8) \\
&:= 9 \times 99 + (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1994 &:= 1 + (1+1)^{11} - (111-1)/(1+1) \\
&:= (222 \times (2/2 + 2)^2) - 2 - 2 \\
&:= ((3+3) \times 333) - (3/3 + 3) \\
&:= (4+4)/4 \times (4 \times (4^4 - 4) - 44/4) \\
&:= (((5+5)^{5-5/5}) - 5)/5 - 5 \\
&:= 6 + ((66 \times (6 \times 6 - 6) + ((6+6)/6)) + 6) \\
&:= (7 \times (7 \times (7 \times 7 - 7) - 7)) - (7/7 + 7 + 7) \\
&:= 8 + ((8 \times ((8+8) \times (8+8) - 8)) + ((8+8)/8)) \\
&:= ((9+9)/9) \times (999 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1995 &:= (1+1+1) \times ((11^{1+1+1} - 1)/(1+1)) \\
&:= (((2 \times 22) + 2)^2) - (22/2)^2 \\
&:= ((3+3) \times 333) - 3 \\
&:= 44/4 + ((4+4) \times (4^4 - 4 - 4)) \\
&:= (5 \times (5 - 5/5)^5) - 5^5 \\
&:= ((6 \times 666) - 6)/((6+6)/6) \\
&:= (7 \times (7 \times (7 \times 7 - 7) - 7)) - (7+7) \\
&:= 88/8 + (8 \times ((8+8) \times (8+8) - 8)) \\
&:= 999 + (999 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1996 &:= (1+1) \times ((11-1)^{1+1+1} - (1+1)) \\
&:= (222 \times (2/2 + 2)^2) - 2 \\
&:= 3/3 + (((3+3) \times 333) - 3) \\
&:= 4 \times 4 + (44 \times 44 + 44) \\
&:= (((5+5)^{5-5/5}) + 5)/5 - 5 \\
&:= 6 + (66 \times (6 \times 6 - 6) + ((66-6)/6)) \\
&:= 7/7 + ((7 \times (7 \times (7 \times 7 - 7) - 7)) - (7+7)) \\
&:= ((88+8)/8) + (8 \times ((8+8) \times (8+8) - 8)) \\
&:= ((9+9)/9) \times (999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1997 &:= ((1+1) \times (111 \times (11-1-1))) - 1 \\
&:= (222 \times (2/2 + 2)^2) - 2/2 \\
&:= ((3+3) \times 333) - 3/3 \\
&:= 44 \times 44 + ((4^4 + 4)/4 - 4) \\
&:= (((5+5)^{5-5/5}) + 5)/5 - 5 \\
&:= 6 + (66 \times (6 \times 6 - 6) + (66/6)) \\
&:= 77 + ((7/7 + 7 + 7) \times ((7+7)/7)^7) \\
&:= 888 + ((8888 - (8+8))/8) \\
&:= 999 + (999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1998 &:= (1+1) \times (111 \times (11-1-1)) \\
&:= 222 \times (2/2 + 2)^2 \\
&:= (3+3) \times 333 \\
&:= 44 \times 44 + (4^4 - 4 - 4)/4 \\
&:= (((5+5)^{5-5/5}) - (5+5))/5 \\
&:= 6 \times 666 \times 6/(6+6) \\
&:= (77/7 + 7) \times 777/7 \\
&:= 888 + (8888 - 8)/8 \\
&:= (9+9) \times 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 1999 &:= ((1+1) \times (11-1)^{1+1+1}) - 1 \\
&:= 2/2 + (222 \times (2/2 + 2)^2) \\
&:= 3/3 + ((3+3) \times 333) \\
&:= 44 \times 44 + ((4^4 - 4)/4) \\
&:= (((5+5)^{5-5/5}) - 5)/5 \\
&:= 6/6 + (6 \times 666 \times 6/(6+6)) \\
&:= (((7+7)/7)^{77/7}) - 7 \times 7 \\
&:= 888 + 8888/8 \\
&:= 9/9 + (999 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2000 &:= (1+1) \times (11-1)^{1+1+1} \\
&:= 2222 - 222 \\
&:= 3 + (((3+3) \times 333) - 3/3) \\
&:= 4 \times 4 \times 4 + 44 \times 44 \\
&:= 5 \times 5 \times (5 \times 5 + 55) \\
&:= (6+6)/6 + (6 \times 666 \times 6/(6+6)) \\
&:= 7/7 + (((7+7)/7)^{77/7}) - 7 \times 7 \\
&:= 8 + ((8 \times ((8+8) \times (8+8) - 8)) + 8) \\
&:= ((9+9)/9) \times (999 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2001 &:= 1 + ((1+1) \times (11-1)^{1+1+1}) \\
&:= 2/2 + 2222 - 222 \\
&:= 3 + (3+3) \times 333 \\
&:= 44 \times 44 + (4^4 + 4)/4 \\
&:= (((5+5)^{5-5/5}) + 5)/5 \\
&:= ((6 \times 666) + 6)/((6+6)/6) \\
&:= 7 \times (7 \times (7 \times 7 - 7) - 7) - (7/7 + 7) \\
&:= (8/8 - 88) \times (8/8 - (8+8+8)) \\
&:= 9 \times 99 + ((9999 - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2002 &:= (1+1) \times (1 + (11-1)^{1+1+1}) \\
&:= 2 + 2222 - 222 \\
&:= 3 + ((3+3) \times 333 + 3/3) \\
&:= 44 \times 44 + ((4^4 + 4 + 4)/4) \\
&:= (((5+5)^{5-5/5}) + 5)/5 \\
&:= 6/6 + (((6 \times 666) + 6)/((6+6)/6)) \\
&:= 7 \times (7 \times (7 \times 7 - 7) - 7) - 7 \\
&:= ((8 - 888)/8) + (88 \times (8+8+8)) \\
&:= 9 \times 99 + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2003 &:= 1 + ((1+1) \times (1 + (11-1)^{1+1+1})) \\
&:= (2 \times 22 + 2/2)^2 - 22 \\
&:= 3 + (((3+3) \times 333 - 3/3) + 3) \\
&:= 4^4 \times (4+4) - (44 + 4/4) \\
&:= 5 + (((5+5)^{5-5/5}) - (5+5))/5 \\
&:= 6 + ((66 \times (6 \times 6 - 6) + (66/6)) + 6) \\
&:= 7/7 + (7 \times (7 \times (7 \times 7 - 7) - 7) - 7) \\
&:= 8 + ((8 \times ((8+8) \times (8+8) - 8)) + (88/8)) \\
&:= 9 \times 99 + (9999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2004 &:= (1+1) \times (1+1 + (11-1)^{1+1+1}) \\
&:= 2^{22/2} - (2 \times 22) \\
&:= 3 + ((3+3) \times 333 + 3) \\
&:= 4^4 \times (4+4) - 44 \\
&:= 5 + (((5+5)^{5-5/5}) - 5)/5 \\
&:= 6 + (6 \times 666 \times 6/(6+6)) \\
&:= (7+7)/7 + (7 \times (7 \times (7 \times 7 - 7) - 7) - 7) \\
&:= ((8 \times 8 \times 8 \times 8) - 88)/((8+8)/8) \\
&:= 9 \times 99 + (((9999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2005 &:= 1 + ((1+1) \times (1+1 + (11-1)^{1+1+1})) \\
&:= 2 + ((2 \times 22 + 2/2)^2 - 22) \\
&:= 3 + (((3+3) \times 333 + 3/3) + 3) \\
&:= 4/4 + (4^4 \times (4+4) - 44) \\
&:= 5 + (5 \times 5 \times (5 \times 5 + 55)) \\
&:= (6 - 6/6) \times ((6 \times 66 - 6/6) + 6) \\
&:= 7 + (77/7 + 7) \times 777/7 \\
&:= 8 + (((8888 - (8+8))/8) + 888) \\
&:= 9 + (((9+9)/9) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2006 &:= (1+1) \times (1+1+1 + (11-1)^{1+1+1}) \\
&:= 2 + (2^{22/2} - (2 \times 22)) \\
&:= 3 \times 3 + ((3+3) \times 333 - 3/3) \\
&:= (4+4)/4 + (4^4 \times (4+4) - 44) \\
&:= 5 + (((5+5)^{5-5/5}) + 5)/5 \\
&:= (((6+6)/6)^{66/6}) - (6 \times 6 + 6) \\
&:= 7 + (((7+7)/7)^{77/7}) - 7 \times 7 \\
&:= 8 + ((8888 - 8)/8 + 888) \\
&:= 9 + ((999 - 9/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2007 &:= (11-1-1) \times (1 + (1+1) \times 111) \\
&:= (2/2 + 2)^2 \times (222 + 2/2) \\
&:= 3 \times 3 + (3+3) \times 333 \\
&:= 4 + 4^4 \times (4+4) - (44 + 4/4) \\
&:= 5 + (((5+5)^{5-5/5}) + 5)/5 \\
&:= 6 + (((6 \times 666) + 6)/((6+6)/6)) \\
&:= 7 \times (7 \times (7 \times 7 - 7) - 7) - (7+7)/7 \\
&:= 8 + (8888/8 + 888) \\
&:= 9 + (999 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2008 &:= 1 + ((11 - 1 - 1) \times (1 + (1 + 1) \times 111)) \\
&:= 2^{22/2} + (2 \times (2 - 22)) \\
&:= 3 \times 3 + ((3 + 3) \times 333 + 3/3) \\
&:= 4 + (4^4 \times (4 + 4) - 44) \\
&:= 5^5 - ((5555 + 5)/5 + 5) \\
&:= ((6 + 6)/6)^6 + 6 \times 6 \times (66 - 6 - 6) \\
&:= 7 \times (7 \times (7 \times 7 - 7) - 7) - 7/7 \\
&:= 88 + ((8 + 8) \times (8 \times (8 + 8) - 8)) \\
&:= 9 + ((999 + 999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2009 &:= 11 + ((1 + 1) \times (111 \times (11 - 1 - 1))) \\
&:= (2 \times 22 + 2/2)^2 - 2^{2+2} \\
&:= 33/3 + (3 + 3) \times 333 \\
&:= 4 + ((4^4 \times (4 + 4) - 44) + 4/4) \\
&:= 5^5 - (5555/5 + 5) \\
&:= ((6 - 6/6) \times (6 \times 66 + 6)) - 6/6 \\
&:= 7 \times (7 \times (7 \times 7 - 7) - 7) \\
&:= 8 + ((8/8 - 88) \times (8/8 - (8 + 8 + 8))) \\
&:= 9 + (((9 + 9)/9) \times (999 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2010 &:= 11 + (((1 + 1) \times (11 - 1)^{1+1+1}) - 1) \\
&:= 2 + (2^{22/2} + (2 \times (2 - 22))) \\
&:= 3 + ((3 + 3) \times 333 + 3 \times 3) \\
&:= (4 + 4) \times (4^4 - 4) - ((4 + 4)/4 + 4) \\
&:= 5 + ((5 \times 5 \times (5 \times 5 + 55)) + 5) \\
&:= (6 - 6/6) \times (6 \times 66 + 6) \\
&:= 7/7 + 7 \times (7 \times (7 \times 7 - 7) - 7) \\
&:= 888 + ((8888 + 88)/8) \\
&:= 9 + (((9999 - 9)/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2011 &:= 11 + ((1 + 1) \times (11 - 1)^{1+1+1}) \\
&:= 2 + ((2 \times 22 + 2/2)^2 - 2^{2+2}) \\
&:= 3 + (((3 + 3) \times 333 + 3 \times 3) + 3/3) \\
&:= (4 + 4) \times (4^4 - 4) - (4/4 + 4) \\
&:= (((5 + 5)^{5-5/5}) + 55)/5 \\
&:= 6/6 + ((6 - 6/6) \times (6 \times 66 + 6)) \\
&:= (7 + 7)/7 + 7 \times (7 \times (7 \times 7 - 7) - 7) \\
&:= 8 + (((8 \times (8 + 8) \times (8 + 8) - 8)) + (88/8) + 8) \\
&:= 9 + (9999/9 + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2012 &:= (1 + 1)^{11} - ((1 + 1 + 1) \times (1 + 11)) \\
&:= 2^{22/2} - (2 + 2 + 2)^2 \\
&:= 3 + ((3 + 3) \times 333 + 33/3) \\
&:= (4 + 4) \times (4^4 - 4) - 4 \\
&:= 5^5 - (5555 + 5 + 5)/5 \\
&:= (((6 + 6)/6)^{66/6}) - 6 \times 6 \\
&:= 7 + ((77/7 + 7) \times 777/7 + 7) \\
&:= ((8 \times (8 \times 8 \times 8 - 8)) - 8)/(8 + 8)/8 \\
&:= 9 + ((9999 + 9)/9 + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2013 &:= 1 + ((1 + 1)^{11} - ((1 + 1 + 1) \times (1 + 11))) \\
&:= 2/2 + (2^{22/2} - (2 + 2 + 2)^2) \\
&:= 33 \times (((3/3 + 3)^3) - 3) \\
&:= 4/4 + ((4 + 4) \times (4^4 - 4) - 4) \\
&:= 5^5 - (5555 + 5)/5 \\
&:= (6 \times (666 + 6) - 6)/((6 + 6)/6) \\
&:= 7 + (((7 + 7)/7)^{77/7} - 7 \times 7) + 7) \\
&:= 88/8 \times ((888/8 + 8 \times 8) + 8) \\
&:= 9 \times 99 + ((9999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2014 &:= (1 + 1)^{11} - (1 + 11 \times (1 + 1 + 1)) \\
&:= 2 + (2^{22/2} - (2 + 2 + 2)^2) \\
&:= 3/3 + (33 \times (((3/3 + 3)^3) - 3)) \\
&:= (4 + 4) \times (4^4 - 4) - (4 + 4)/4 \\
&:= 5^5 - 5555/5 \\
&:= 6 \times 6 + (66 \times (6 \times 6 - 6) - ((6 + 6)/6)) \\
&:= 7 + (7 \times (7 \times (7 \times 7 - 7) - 7) - ((7 + 7)/7)) \\
&:= 8 + (((8888 - 8)/8 + 888) + 8) \\
&:= ((9 + 9)/9) \times ((999 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2015 &:= (1 + 1)^{11} - (11 \times (1 + 1 + 1)) \\
&:= 2^{22/2} - (22/2 + 22) \\
&:= ((33/3 + 3)^3) - 3^{3+3} \\
&:= (4 + 4) \times (4^4 - 4) - 4/4 \\
&:= 5^5 + ((5 - 5555)/5) \\
&:= 6 \times 6 + (66 \times (6 \times 6 - 6) - 6/6) \\
&:= 7 + (7 \times (7 \times (7 \times 7 - 7) - 7) - 7/7) \\
&:= 8 + ((8888/8 + 888) + 8) \\
&:= ((9 + 9) \times ((999 + 9)/9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2016 &:= 1 + ((1 + 1)^{11} - (11 \times (1 + 1 + 1))) \\
&:= 2 \times (2 \times ((22^2 - 2) + 22)) \\
&:= (3 + 3) \times (333 + 3) \\
&:= (4 + 4) \times (4^4 - 4) \\
&:= 5 + (((5 + 5)^{5-5/5}) + 55)/5 \\
&:= 6 \times (66 \times (6 - 6/6) + 6) \\
&:= 7 + 7 \times (7 \times (7 \times 7 - 7) - 7) \\
&:= 8 \times ((8 \times 8 \times 8 - 8)/(8 + 8)/8) \\
&:= (9 + 9) \times ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2017 &:= 1 + (1 + ((1 + 1)^{11} - (11 \times (1 + 1 + 1)))) \\
&:= (2 \times 22)^2 + (2/2 + 2)^{2+2} \\
&:= 3/3 + (3 + 3) \times (333 + 3) \\
&:= 4/4 + (4 + 4) \times (4^4 - 4) \\
&:= 5 + (5^5 - (5555 + 5 + 5)/5) \\
&:= 6 \times 6 + (66 \times (6 \times 6 - 6) + 6/6) \\
&:= 7 + (7 \times (7 \times (7 \times 7 - 7) - 7) + 7/7) \\
&:= 8/8 + (8 \times ((8 \times 8 \times 8 - 8)/(8 + 8)/8)) \\
&:= 9/9 + ((9 + 9) \times ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2018 &:= (1 + 1)^{11} - (11 - 1) \times (1 + 1 + 1) \\
&:= 2 + (2 \times (2 \times ((22^2 - 2) + 22))) \\
&:= 3 + (((33/3 + 3)^3) - 3^{3+3}) \\
&:= (4 + 4)/4 + (4 + 4) \times (4^4 - 4) \\
&:= 5 + (5^5 - (5555 + 5)/5) \\
&:= 6 + (((6 + 6)/6)^{66/6}) - 6 \times 6 \\
&:= 7 + (7 \times (7 \times (7 \times 7 - 7) - 7) + ((7 + 7)/7)) \\
&:= 8 + (((8888 + 88)/8) + 888) \\
&:= ((9 + 9)/9) \times ((999 + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2019 &:= 1 + ((1 + 1)^{11} - ((11 - 1) \times (1 + 1 + 1))) \\
&:= (2 \times 22 + 2/2)^2 - (2 + 2 + 2) \\
&:= 3 + (3 + 3) \times (333 + 3) \\
&:= 4 + ((4 + 4) \times (4^4 - 4) - 4/4) \\
&:= 5 + (5^5 - 5555/5) \\
&:= (6 \times (666 + 6) + 6)/((6 + 6)/6) \\
&:= ((77 - 7)/7) + 7 \times (7 \times (7 \times 7 - 7) - 7) \\
&:= 88 + (((8 + 8) \times (8 \times (8 + 8) - 8)) + (88/8)) \\
&:= 9 + (((9999 - 9)/9) + 9 \times 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2020 &:= (1 + 1) \times ((11111 - 1)/11) \\
&:= 2 \times (2 \times (22^2 + 22) - 2) \\
&:= 3 + ((3 + 3) \times (333 + 3) + 3/3) \\
&:= 4 + (4 + 4) \times (4^4 - 4) \\
&:= 5^5 + ((55 \times (5 - 5 \times 5)) - 5) \\
&:= (6 - 6/6) \times (((6 + 6)/6) + 6 \times 66) + 6) \\
&:= 77/7 + 7 \times (7 \times (7 \times 7 - 7) - 7) \\
&:= ((8 \times (8 \times 8 \times 8 - 8)) + 8)/(8 + 8)/8 \\
&:= ((9 + 9)/9) \times (99/9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2021 &:= (1 + 1)^{11} - (1 + 1 + 1)^{1+1+1} \\
&:= (2 \times 22 + 2/2)^2 - 2 - 2 \\
&:= (3 - 3/3)^{33/3} - 3^3 \\
&:= 4 + ((4 + 4) \times (4^4 - 4) + 4/4) \\
&:= 5 + ((5 + 5)^{5-5/5} + 55)/5 + 5 \\
&:= 6 + ((66 \times (6 \times 6 - 6) - 6/6) + 6 \times 6) \\
&:= (77 + 7)/7 + 7 \times (7 \times (7 \times 7 - 7) - 7) \\
&:= (8 \times (8 + 8) \times (8 + 8)) - (88/8 + 8 + 8) \\
&:= (((9 + 9)/9)^{99/9}) - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2022 &:= (1 + 1) \times (11 + (11 - 1)^{1+1+1}) \\
&:= 2^{22/2} - 22 - 2 - 2 \\
&:= 3 + ((3 + 3) \times (333 + 3) + 3) \\
&:= 4 + ((4 + 4) \times (4^4 - 4) + (4 + 4)/4) \\
&:= (5/5 + 5) \times ((5^5 - 5)/(5 + 5) + 5 \times 5) \\
&:= 6 + (66 \times (6 \times 6 - 6) + 6 \times 6) \\
&:= (7 - 7/7) \times ((7 \times 7 \times 7 - 7) + 7/7) \\
&:= (88 \times (8 + 8 + 8)) - ((8 + 8)/8 + 88) \\
&:= ((9 + 9)/9) \times (((99 + 9)/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2023 &:= (1+1)^{11} - (1 + ((1+1) \times (1+11))) \\
&:= (2 \times 22 + 2/2)^2 - 2 \\
&:= 3 + (((3+3) \times (333+3) + 3/3) + 3) \\
&:= 4 + (((4+4) \times (4^4 - 4) - 4/4) + 4) \\
&:= (((5+5)/5)^{55/5}) - 5 \times 5 \\
&:= 6 + ((66 \times (6 \times 6 - 6) + 6 \times 6) + 6/6) \\
&:= 7 + (7 \times (7 \times (7 \times 7 - 7) - 7) + 7) \\
&:= (8/8 + 8 + 8) \times (888/8 + 8) \\
&:= 999 + (((9+9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2024 &:= (1+1)^{11} - ((1+1) \times (1+11)) \\
&:= 2 \times (2 \times (22^2 + 22)) \\
&:= 3 + ((3 - 3/3)^{33/3} - 3^3) \\
&:= 4 + ((4+4) \times (4^4 - 4) + 4) \\
&:= 5 + (5^5 - 5555/5 + 5) \\
&:= 6 + (((((6+6)/6)^{66/6}) - 6 \times 6) + 6) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 - 7) - 7) + 7/7) + 7) \\
&:= 88 \times ((8 - 8/8 + 8) + 8) \\
&:= 9 \times 9 + ((9+9) \times (99+9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2025 &:= (1+1)^{11} - (1 + (11 + 11)) \\
&:= (2 \times 22 + 2/2)^2 \\
&:= 3 \times (3 \times (3+3)^3 + 3^3) \\
&:= (44 + 4/4)^{(4+4)/4} \\
&:= 5 \times (5 \times (5 \times 5 + 55) + 5) \\
&:= 6 \times 6 \times 6 \times 6 + ((6 \times 6/(6+6))^6) \\
&:= (7/7 + 7 + 7) \times (((7+7)/7)^7 + 7) \\
&:= 8/8 + (88 \times ((8 - 8/8 + 8) + 8)) \\
&:= 9 \times (9+9) \times (9+9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2026 &:= (1+1)^{11} - 11 - 11 \\
&:= 2^{22/2} - 22 \\
&:= 3^3 + ((3+3) \times 333 + 3/3) \\
&:= (((4+4)^4) - 44)/((4+4)/4) \\
&:= 5 \times 5 + (((5+5)^{5-5/5}) + 5)/5 \\
&:= 6 + ((6 - 6/6) \times (((6+6)/6) + 6 \times 66) + 6) \\
&:= ((7+7+7)/7)^7 - ((77+77) + 7) \\
&:= (8+8)/8 + (88 \times ((8 - 8/8 + 8) + 8)) \\
&:= 9/9 + ((9+9) \times (99+9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2027 &:= 1 + ((1+1)^{11} - (11 + 11)) \\
&:= 2 + (2 \times 22 + 2/2)^2 \\
&:= 3^{3+3} + ((33/3)^3 - 33) \\
&:= 44/4 + (4+4) \times (4^4 - 4) \\
&:= 5 \times 5 + (((5+5)^{5-5/5}) + 5) + 5/5 \\
&:= 6 \times 6 + (66 \times (6 \times 6 - 6) + (66/6)) \\
&:= (((7+7)/7)^{77/7}) - (7+7+7) \\
&:= 88/8 + (8 \times ((8 \times 8 \times 8 - 8)/(8+8)/8)) \\
&:= 9 + (((9+9)/9) \times ((999+9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2028 &:= (1+11) \times (1+1+11)^{1+1} \\
&:= 2 + (2^{22/2} - 22) \\
&:= 3 + ((3+3) \times 333 + 3^3) \\
&:= 4^4 + (4 \times 444 - 4) \\
&:= 5 + (((5+5)/5)^{55/5}) - 5 \times 5 \\
&:= 6 + ((66 \times (6 \times 6 - 6) + 6 \times 6) + 6) \\
&:= (7 - 7/7) \times ((7 \times 7 \times 7 - 7) + ((7+7)/7)) \\
&:= 8 + (((8 \times (8 \times 8 \times 8 - 8)) + 8)/(8+8)/8) \\
&:= (((9+9)/9)^{99/9}) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2029 &:= 1 + ((1+11) \times (1+1+11)^{1+1}) \\
&:= 2 + ((2 \times 22 + 2/2)^2 + 2) \\
&:= (((3 \times 3^3 - 3)^{3-3/3}) + 3)/3 \\
&:= 4 + ((44 + 4/4)^{(4+4)/4}) \\
&:= 5 + (5^5 - 5555/5 + 5) \\
&:= ((6 - 6/6) \times (6 \times 66 + (66/6))) - 6 \\
&:= 7 + ((7 - 7/7) \times ((7 \times 7 \times 7 - 7) + 7/7)) \\
&:= (8 \times (8+8) \times (8+8)) - (88/8 + 8) \\
&:= 9 + (((9+9)/9) \times (99/9 + 999))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2030 &:= (1+1)^{11} - (1+1) \times (11 - 1 - 1) \\
&:= 2 + (2^{22/2} - 22) + 2 \\
&:= 33 + ((3+3) \times 333 - 3/3) \\
&:= 4 + ((4+4)^4 - 44)/((4+4)/4) \\
&:= 5 + ((55 \times (5 - 5 \times 5)) + 5^5) \\
&:= (6 \times 6 - 6/6) \times (((6+6)/6)^6 - 6) \\
&:= 7 \times (7 \times (7 \times 7 - 7) + 7) - 77 \\
&:= ((8+8)/8) \times (8 \times 8 \times (8+8) - (8/8 + 8)) \\
&:= (((9+9)/9)^{99/9}) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2031 &:= 1 + ((1+1)^{11} - (1+1) \times (11 - 1 - 1)) \\
&:= 2 + (((2 \times 22 + 2/2)^2 + 2) + 2) \\
&:= 33 + (3+3) \times 333 \\
&:= 4^4 + (4 \times 444 - 4/4) \\
&:= 5 + (((55 \times (5 - 5 \times 5)) + 5/5) + 5^5) \\
&:= ((6 \times 666) + 66)/((6+6)/6) \\
&:= 7/7 + (7 \times (7 \times (7 \times 7 - 7) + 7) - 77) \\
&:= (8 \times (8+8) \times (8+8)) - (8/8 + 8 + 8) \\
&:= 9/9 + (((9+9)/9)^{99/9}) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2032 &:= (1+1)^{11} - (1+1)^{1+1+1+1} \\
&:= 2^{22/2} - 2^{2+2} \\
&:= 3/3 + ((3+3) \times 333 + 33) \\
&:= 4 \times ((4^4 - 4) + 4^4) \\
&:= ((5+5)/5)^5 + (5 \times 5 \times (5 \times 5 + 55)) \\
&:= 6/6 + (((6 \times 666) + 66)/((6+6)/6)) \\
&:= 7 + ((7/7 + 7 + 7) \times (((7+7)/7)^7 + 7)) \\
&:= (8+8) \times (8 \times (8+8) - 8/8) \\
&:= 9 + (((9+9)/9)^{99/9}) + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2033 &:= (1+1)^{11} - 1 - 1 - 1 - 1 - 11 \\
&:= 2/2 + (2^{22/2} - 2^{2+2}) \\
&:= 3^{3+3} + ((33/3)^3 - 3^3) \\
&:= 4/4 + (4 \times 444 + 4^4) \\
&:= (((5+5)/5)^{55/5}) - (5+5+5) \\
&:= (6 \times (666 \times 6/(6+6) + 6)) - 6/6 \\
&:= ((7+7+7)/7)^7 - 77 - 77 \\
&:= 8/8 + ((8+8) \times (8 \times (8+8) - 8/8)) \\
&:= (9/9 + 9 + 9) \times ((99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2034 &:= (1+1)^{11} - 1 - 1 - 1 - 11 \\
&:= 2 + (2^{22/2} - 2^{2+2}) \\
&:= (3+3) \times (333 + 3 + 3) \\
&:= 4^4 + (4 \times 444 + (4+4)/4) \\
&:= (55 \times (((5+5)/5)^5 + 5)) - 5/5 \\
&:= 6 \times (666 \times 6/(6+6) + 6) \\
&:= (((7+7)/7)^{77/7}) - (7+7) \\
&:= (8+8)/8 + ((8+8) \times (8 \times (8+8) - 8/8)) \\
&:= 9 + ((9+9) \times (99+9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2035 &:= (1+1)^{11} - 1 - 1 - 11 \\
&:= 2^{22/2} - (22/2 + 2) \\
&:= 3/3 + ((3+3) \times (333 + 3 + 3)) \\
&:= 4 + ((4 \times 444 - 4/4) + 4^4) \\
&:= 55 \times (((5+5)/5)^5 + 5) \\
&:= (6 - 6/6) \times (6 \times 66 + (66/6)) \\
&:= 7/7 + (((7+7)/7)^{77/7}) - (7+7) \\
&:= 88/8 + (88 \times ((8 - 8/8 + 8) + 8)) \\
&:= 9 + (((9+9) \times (99+9) + 9 \times 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2036 &:= (1+1)^{11} - 1 - 11 \\
&:= 2^{22/2} - (2 \times (2 + 2 + 2)) \\
&:= (3/3 + 3) \times ((3 - 3/3)^{3 \times 3} - 3) \\
&:= 4 + (4 \times 444 + 4^4) \\
&:= 5/5 + (55 \times (((5+5)/5)^5 + 5)) \\
&:= (((6+6)/6)^{66/6}) - 6 - 6 \\
&:= 7 \times 7 \times (7 \times 7 - 7) - (7/7 + 7 + 7 + 7) \\
&:= (8 \times (8+8) \times (8+8)) - (88+8)/8 \\
&:= 9 \times 9 + ((9+9) \times (99+9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2037 &:= (1+1)^{11} - 11 \\
&:= 2^{22/2} - 22/2 \\
&:= 3 + (3+3) \times (333 + 3 + 3) \\
&:= 4^4 \times (4+4) - 44/4 \\
&:= (((5+5)/5)^{55/5}) - 55/5 \\
&:= (((6+6)/6)^{66/6}) - 66/6 \\
&:= (7+7+7) \times (7 \times (7+7) - 7/7) \\
&:= (8 \times (8+8) \times (8+8)) - 88/8 \\
&:= (((9+9)/9)^{99/9}) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2038 &:= 1 + ((1 + 1)^{11} - 11) \\
&:= ((2 - 22)/2) + 2^{22/2} \\
&:= 3 + (3 + 3) \times (333 + 3 + 3) + 3/3 \\
&:= (4 - 44)/4 + 4^4 \times (4 + 4) \\
&:= (5 + 5)/5 \times ((5 - 5/5)^5 - 5) \\
&:= (6 - 66)/6 + (((6 + 6)/6)^{66/6}) \\
&:= 7/7 + ((7 + 7 + 7) \times (7 \times (7 + 7) - 7/7)) \\
&:= (8 - 88)/8 + (8 \times (8 + 8) \times (8 + 8)) \\
&:= (((9 + 9)/9)^{99/9}) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2039 &:= 1 + (1 + (1 + 1)^{11} - 11) \\
&:= 2 + (2^{22/2} - 22/2) \\
&:= (3 - 3/3)^{33/3} - 3 \times 3 \\
&:= 4^4 \times (4 + 4) - (4/4 + 4 + 4) \\
&:= 5 \times 5 + (5^5 - 5555/5) \\
&:= 66 + (66 \times (6 \times 6 - 6) - (6/6 + 6)) \\
&:= 7 \times 7 \times (7 \times 7 - 7) - ((77 + 7)/7 + 7) \\
&:= (8 \times (8 + 8) \times (8 + 8)) - (8/8 + 8) \\
&:= (((9 + 9)/9)^{99/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2040 &:= 1 + (1 + (1 + (1 + 1)^{11} - 11)) \\
&:= 2^{22/2} - 2 \times (2 + 2) \\
&:= (3 + 3) \times (((3/3 + 3) + 3)^3) - 3 \\
&:= (4 + 4) \times (4^4 - 4/4) \\
&:= 5 + (55 \times (((5 + 5)/5)^5 + 5)) \\
&:= 66 + (66 \times (6 \times 6 - 6) - 6) \\
&:= 7 \times 7 \times (7 \times 7 - 7) - (77/7 + 7) \\
&:= (8 \times (8 + 8) \times (8 + 8)) - 8 \\
&:= 9/9 + (((9 + 9)/9)^{99/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2041 &:= 1 + (1 + (1 + (1 + (1 + 1)^{11} - 11))) \\
&:= 2 + (2^{22/2} - 22/2) + 2 \\
&:= 3/3 + (3 + 3) \times ((3/3 + 3 + 3)^3 - 3) \\
&:= 4 + (4^4 \times (4 + 4) - 44/4) \\
&:= 5^5 - (((5 - 5/5)^5 + 55) + 5) \\
&:= (((6 + 6)/6)^{66/6}) - 6/6 - 6 \\
&:= (((7 + 7)/7)^{77/7}) - 7 \\
&:= 8/8 + ((8 \times (8 + 8) \times (8 + 8)) - 8) \\
&:= 99 + (9 + 9) \times (99 + 9) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2042 &:= (1 + 1)^{11} - ((1 + 1) \times (1 + 1 + 1)) \\
&:= 2^{22/2} - (2 + 2 + 2) \\
&:= (3 - 3/3)^{33/3} - 3 - 3 \\
&:= 4^4 \times (4 + 4) - ((4 + 4)/4 + 4) \\
&:= (((5 + 5)/5)^{55/5}) - (5/5 + 5) \\
&:= (((6 + 6)/6)^{66/6}) - 6 \\
&:= 7/7 + (((7 + 7)/7)^{77/7}) - 7 \\
&:= (8 + 8)/8 + ((8 \times (8 + 8) \times (8 + 8)) - 8) \\
&:= 99 + (9 + 9) \times (99 + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2043 &:= (1 + 1)^{11} - 1 - 1 - 1 - 1 - 1 \\
&:= 2^{22/2} - (2/2 + 2 + 2) \\
&:= 3 \times (3 \times (3 + 3)^3 + 33) \\
&:= 4^4 \times (4 + 4) - (4/4 + 4) \\
&:= (((5 + 5)/5)^{55/5}) - 5 \\
&:= 6/6 + (((6 + 6)/6)^{66/6}) - 6 \\
&:= 7 \times 7 \times (7 \times 7 - 7) - (7/7 + 7 + 7) \\
&:= 88/8 + ((8 + 8) \times (8 \times (8 + 8) - 8/8)) \\
&:= 99 + (9 + 9) \times (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2044 &:= (1 + 1)^{11} - 1 - 1 - 1 - 1 \\
&:= 2^{22/2} - 2 - 2 \\
&:= 3/3 + (3 \times (3 \times (3 + 3)^3 + 33)) \\
&:= 4^4 \times (4 + 4) - 4 \\
&:= 5/5 + (((5 + 5)/5)^{55/5}) - 5 \\
&:= ((6 + 6)/6)^6 + 66 \times (6 \times 6 - 6) \\
&:= 7 \times 7 \times (7 \times 7 - 7) - (7 + 7) \\
&:= ((8 \times 8 \times 8 \times 8) - 8)/((8 + 8)/8) \\
&:= 9/9 + ((9 + 9) \times (99 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2045 &:= (1 + 1)^{11} - 1 - 1 - 1 \\
&:= 2^{22/2} - 2/2 - 2 \\
&:= (3 - 3/3)^{33/3} - 3 \\
&:= 4/4 + (4^4 \times (4 + 4) - 4) \\
&:= 5 + (55 \times (((5 + 5)/5)^5 + 5)) \\
&:= 66 + (66 \times (6 \times 6 - 6) - 6/6) \\
&:= 7/7 + (7 \times 7 \times (7 \times 7 - 7) - (7 + 7)) \\
&:= 8 + ((8 \times (8 + 8) \times (8 + 8)) - (88/8)) \\
&:= 99 + ((9 + 9) \times (99 + 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2046 &:= (1 + 1)^{11} - 1 - 1 \\
&:= 2^{22/2} - 2 \\
&:= 3 + (3 \times (3 \times (3 + 3)^3 + 33)) \\
&:= 4^4 \times (4 + 4) - (4 + 4)/4 \\
&:= 5^5 - ((5 - 5/5)^5 + 55) \\
&:= 66 + 66 \times (6 \times 6 - 6) \\
&:= (7 - 7/7) \times (7 \times 7 \times 7 - ((7 + 7)/7)) \\
&:= (8 \times (8 + 8) \times (8 + 8)) - (8 + 8)/8 \\
&:= (((9 + 9)/9)^{99/9}) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2047 &:= (1 + 1)^{11} - 1 \\
&:= 2^{22/2} - 2/2 \\
&:= (3 - 3/3)^{33/3} - 3/3 \\
&:= 4^4 \times (4 + 4) - 4/4 \\
&:= (((5 + 5)/5)^{55/5}) - 5/5 \\
&:= (((6 + 6)/6)^{66/6}) - 6/6 \\
&:= 7 \times 7 \times (7 \times 7 - 7) - 77/7 \\
&:= (8 \times (8 + 8) \times (8 + 8)) - 8/8 \\
&:= (((9 + 9)/9)^{99/9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2048 &:= (1 + 1)^{11} \\
&:= 2^{22/2} \\
&:= (3 - 3/3)^{33/3} \\
&:= 4^4 \times (4 + 4) \\
&:= ((5 + 5)/5)^{55/5} \\
&:= ((6 + 6)/6)^{66/6} \\
&:= ((7 + 7)/7)^{77/7} \\
&:= 8 \times (8 + 8) \times (8 + 8) \\
&:= ((9 + 9)/9)^{99/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2049 &:= 1 + (1 + 1)^{11} \\
&:= 2/2 + 2^{22/2} \\
&:= 3/3 + (3 - 3/3)^{33/3} \\
&:= 4/4 + 4^4 \times (4 + 4) \\
&:= 5/5 + (((5 + 5)/5)^{55/5}) \\
&:= 6/6 + (((6 + 6)/6)^{66/6}) \\
&:= 7/7 + (((7 + 7)/7)^{77/7}) \\
&:= 8/8 + (8 \times (8 + 8) \times (8 + 8)) \\
&:= 9/9 + (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2050 &:= 1 + (1 + (1 + 1)^{11}) \\
&:= 2 + 2^{22/2} \\
&:= 3 + ((3 - 3/3)^{33/3} - 3/3) \\
&:= (4 + 4)/4 + 4^4 \times (4 + 4) \\
&:= 5 \times ((5 \times (5 \times 5 + 55) + 5) + 5) \\
&:= (6 + 6)/6 + (((6 + 6)/6)^{66/6}) \\
&:= 7 \times 7 \times (7 \times 7 - 7) - (7/7 + 7) \\
&:= (8 + 8)/8 + (8 \times (8 + 8) \times (8 + 8)) \\
&:= (9 + 9)/9 + (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2051 &:= 1 + (1 + (1 + (1 + 1)^{11})) \\
&:= 2 + (2^{22/2} + 2/2) \\
&:= 3 + (3 - 3/3)^{33/3} \\
&:= 4 + (4^4 \times (4 + 4) - 4/4) \\
&:= 5 + (5^5 - ((5 - 5/5)^5 + 55)) \\
&:= (((6 + 6)/6)^{66/6} + 6)/((6 + 6)/6) \\
&:= 7 \times 7 \times (7 \times 7 - 7) - 7 \\
&:= 88/8 + ((8 \times (8 + 8) \times (8 + 8)) - 8) \\
&:= (((9 + 9)/9)^9) + (9 \times (9 \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2052 &:= 1 + (1 + (1 + (1 + (1 + 1)^{11}))) \\
&:= 2 + 2^{22/2} + 2 \\
&:= (3 + 3) \times (333 + 3 \times 3) \\
&:= 4 + 4^4 \times (4 + 4) \\
&:= 5 + (((5 + 5)/5)^{55/5}) - 5/5 \\
&:= 6 + (66 \times (6 \times 6 - 6) + 66) \\
&:= 7/7 + (7 \times 7 \times (7 \times 7 - 7) - 7) \\
&:= ((8 \times 8 \times 8 \times 8) + 8)/((8 + 8)/8) \\
&:= (99 + 9) \times (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2053 &:= 1 + (1 + (1 + (1 + (1 + (1 + 1)^{11})))) \\
&:= 2 + (2^{22/2} + 2/2) + 2 \\
&:= 3/3 + ((3 + 3) \times (333 + 3 \times 3)) \\
&:= 4 + (4^4 \times (4 + 4) + 4/4) \\
&:= 5 + (((5 + 5)/5)^{55/5}) \\
&:= 6 + (((6 + 6)/6)^{66/6}) - 6/6 \\
&:= (7 + 7)/7 + (7 \times 7 \times (7 \times 7 - 7) - 7) \\
&:= 8 + (((8 \times (8 + 8) \times (8 + 8)) - (88/8)) + 8) \\
&:= 9/9 + ((99 + 9) \times (9/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2054 &:= (1 + 1)^{11} + ((1 + 1) \times (1 + 1 + 1)) \\
&:= 2 + (2^{22/2} + 2) + 2 \\
&:= 3 + ((3 - 3/3)^{33/3} + 3) \\
&:= 4 + (4^4 \times (4 + 4) + (4 + 4)/4) \\
&:= 5 + (((5 + 5)/5)^{55/5}) + 5/5 \\
&:= 6 + (((6 + 6)/6)^{66/6}) \\
&:= 7 + (7 \times 7 \times (7 \times 7 - 7) - (77/7)) \\
&:= 8 + ((8 \times (8 + 8) \times (8 + 8)) - ((8 + 8)/8)) \\
&:= 99 + ((9 + 9) \times (99 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2055 &:= 1 + ((1 + 1)^{11} + ((1 + 1) \times (1 + 1 + 1))) \\
&:= 2 + (((2^{22/2} + 2/2) + 2) + 2) \\
&:= 3 + ((3 + 3) \times (333 + 3 \times 3)) \\
&:= 4 + ((4^4 \times (4 + 4) - 4/4) + 4) \\
&:= 55 + (5 \times 5 \times (5 \times 5 + 55)) \\
&:= 6 + (((6 + 6)/6)^{66/6}) + 6/6 \\
&:= 7 + (((7 + 7)/7)^{77/7}) \\
&:= 8 + ((8 \times (8 + 8) \times (8 + 8)) - 8/8) \\
&:= 999/9 + (9 + 9) \times (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2056 &:= 11 + ((1 + 1)^{11} - (1 + 1 + 1)) \\
&:= 2 \times (2 + 2) + 2^{22/2} \\
&:= (((3 \times (3 + 3))^3 + 333) + 3)/3 \\
&:= 4 + (4^4 \times (4 + 4) + 4) \\
&:= 55 + (((5 + 5)^{5-5/5}) + 5)/5 \\
&:= 6 + (((6 + 6)/6)^{66/6}) + ((6 + 6)/6) \\
&:= 7 \times 7 \times (7 \times 7 - 7) - (7 + 7)/7 \\
&:= 8 + (8 \times (8 + 8) \times (8 + 8)) \\
&:= 9 + (((9 + 9)/9)^{99/9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2057 &:= 11 + ((1 + 1)^{11} - (1 + 1)) \\
&:= 22/2 + 2^{22/2} - 2 \\
&:= 3 \times 3 + (3 - 3/3)^{33/3} \\
&:= 4 + ((4^4 \times (4 + 4) + 4/4) + 4) \\
&:= (((5 + 5) \times ((5 - 5/5)^5 + 5)) - 5)/5 \\
&:= 6 + (((6 + 6)/6)^{6+6}) + 6/((6 + 6)/6) \\
&:= 7 \times 7 \times (7 \times 7 - 7) - 7/7 \\
&:= 8 + ((8 \times (8 + 8) \times (8 + 8)) + 8/8) \\
&:= 9 + (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2058 &:= 11 + ((1 + 1)^{11} - 1) \\
&:= 2 + (2^{22/2} + 2 \times (2 + 2)) \\
&:= (3 + 3) \times (((3/3 + 3) + 3)^3) \\
&:= 4^4 \times (4 + 4) + (44 - 4)/4 \\
&:= 5 + (((5 + 5)/5)^{55/5}) + 5 \\
&:= 6 \times ((6/6 + 6)^{6 \times 6/(6+6)}) \\
&:= 7 \times 7 \times (7 \times 7 - 7) \\
&:= 8 + ((8 \times (8 + 8) \times (8 + 8)) + ((8 + 8)/8)) \\
&:= 9 + (((9 + 9)/9)^{99/9}) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2059 &:= 11 + (1 + 1)^{11} \\
&:= 22/2 + 2^{22/2} \\
&:= 3/3 + (3 + 3) \times (3/3 + 3 + 3)^3 \\
&:= 44/4 + 4^4 \times (4 + 4) \\
&:= 55/5 + (((5 + 5)/5)^{55/5}) \\
&:= 66/6 + (((6 + 6)/6)^{66/6}) \\
&:= 7/7 + 7 \times 7 \times (7 \times 7 - 7) \\
&:= 88/8 + (8 \times (8 + 8) \times (8 + 8)) \\
&:= 99/9 + (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2060 &:= 1 + (11 + (1 + 1)^{11}) \\
&:= 2^{22/2} + (2 \times (2 + 2 + 2)) \\
&:= 3^{3+3} + (33/3)^3 \\
&:= 4 + ((4^4 \times (4 + 4) + 4) + 4) \\
&:= 5 + ((5 \times 5 \times (5 \times 5 + 55)) + 55) \\
&:= 6 + ((6 + 6)/6)^{66/6} + 6 \\
&:= (7 + 7)/7 + 7 \times 7 \times (7 \times 7 - 7) \\
&:= 8 + (((8 \times 8 \times 8 \times 8) + 8)/(8 + 8)/8) \\
&:= 9 + ((9 \times (9 \times (9 + 9) + 9)) + (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2061 &:= 1 + (1 + (11 + (1 + 1)^{11})) \\
&:= 2 + (2^{22/2} + 22/2) \\
&:= 333 + (3 \times 3 + 3)^3 \\
&:= 4 + (((4^4 \times (4 + 4) + 4/4) + 4) + 4) \\
&:= 5 + (((5 + 5)^{5-5/5}) + 5)/5 + 55) \\
&:= 6 + ((6 + 6)/6)^{66/6} + 6 + 6/6 \\
&:= (7 + 7 + 7)/7 + 7 \times 7 \times (7 \times 7 - 7) \\
&:= (8 \times (8 + 8) \times (8 + 8)) + (88 + 8 + 8)/8 \\
&:= 9 + ((99 + 9) \times (9/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2062 &:= 1 + (1 + (1 + (11 + (1 + 1)^{11}))) \\
&:= 2^{2+2} + 2^{22/2} - 2 \\
&:= 3/3 + ((3 \times 3 + 3)^3 + 333) \\
&:= 4 + (4^4 \times (4 + 4) + (44 - 4)/4) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) - 5)/5 \\
&:= 6 + ((6 + 6)/6)^{66/6} + 6 + (6 + 6)/6 \\
&:= 7 + (((7 + 7)/7)^{77/7}) + 7 \\
&:= 8 + (((8 \times (8 + 8) \times (8 + 8)) - ((8 + 8)/8)) + 8) \\
&:= 9 + (((99 + 9) \times (9/9 + 9 + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2063 &:= 1 + (1 + (1 + (1 + (11 + (1 + 1)^{11})))) \\
&:= 2 + ((2^{22/2} + 22/2) + 2) \\
&:= 3 + ((33/3)^3 + 3^{3+3}) \\
&:= 4 + (4^4 \times (4 + 4) + 44/4) \\
&:= 5 + (((5 + 5)/5)^{55/5}) + 5 + 5 \\
&:= 6 + (((6 + 6)/6)^{6+6}) + 6/((6 + 6)/6) + 6 \\
&:= 7 + (7 \times 7 \times (7 \times 7 - 7) - ((7 + 7)/7)) \\
&:= 8 + (((8 \times (8 + 8) \times (8 + 8)) - 8/8) + 8) \\
&:= 99/9 + ((99 + 9) \times (9/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2064 &:= (1 + 1)^{11} + (1 + 1)^{1+1+1+1} \\
&:= 2^{2+2} + 2^{22/2} \\
&:= 3 + ((3 \times 3 + 3)^3 + 333) \\
&:= 4 \times ((4^4 + 4^4) + 4) \\
&:= 5 + (((5 + 5)/5)^{55/5}) + (55/5) \\
&:= 6 + (6 \times ((6/6 + 6)^{6 \times 6/(6+6)})) \\
&:= 7 + 7 \times 7 \times (7 \times 7 - 7) - 7/7 \\
&:= 8 + ((8 \times (8 + 8) \times (8 + 8)) + 8) \\
&:= 9 + ((9 + 9) \times (99 + 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2065 &:= 1 + ((1 + 1)^{11} + (1 + 1)^{1+1+1+1}) \\
&:= 2/2 + (2^{22/2} + 2^{2+2}) \\
&:= 3 + (((3 \times 3 + 3)^3 + 333) + 3/3) \\
&:= 4 \times 4 + (4^4 \times (4 + 4) + 4/4) \\
&:= 5^5 + ((5 + 5) \times (5 - 555/5)) \\
&:= (6 \times 6 - 6/6) \times (66 - (6/6 + 6)) \\
&:= 7 + 7 \times 7 \times (7 \times 7 - 7) \\
&:= 8 + (((8 \times (8 + 8) \times (8 + 8)) + 8/8) + 8) \\
&:= 9 + (((9 + 9)/9)^{99/9}) - 9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2066 &:= (1 + 1)^{11} + (1 + 1) \times (11 - 1 - 1) \\
&:= 2 + (2^{22/2} + 2^{2+2}) \\
&:= 3 + (((33/3)^3 + 3^{3+3}) + 3) \\
&:= 4 \times 4 + (4^4 \times (4 + 4) + (4 + 4)/4) \\
&:= 55 + (((5 + 5)^{5-5/5}) + 55)/5 \\
&:= 6 + (((6 + 6)/6)^{66/6}) + 6 + 6 \\
&:= 7 + (7 \times 7 \times (7 \times 7 - 7) + 7/7) \\
&:= 8 + (((8 \times (8 + 8) \times (8 + 8)) + ((8 + 8)/8)) + 8) \\
&:= 9 + (((9 + 9)/9)^{99/9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2067 &:= (1 + 1)^{11} + (((1 + 1) \times (11 - 1)) - 1) \\
&:= 22 + (2^{22/2} - (2/2 + 2)) \\
&:= 3 + (((3 \times 3 + 3)^3 + 333) + 3) \\
&:= 4 + ((4^4 \times (4 + 4) + 44/4) + 4) \\
&:= ((55 + 5/5) \times (((5 + 5)/5)^5 + 5)) - 5 \\
&:= 66 + (((6 \times 666) + 6)/((6 + 6)/6)) \\
&:= 7 + (7 \times 7 \times (7 \times 7 - 7) + ((7 + 7)/7)) \\
&:= 8 + ((8 \times (8 + 8) \times (8 + 8)) + (88/8)) \\
&:= 9 + (((9 + 9)/9)^{99/9}) + 9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2068 &:= (1+1)^{11} + ((1+1) \times (11-1)) \\
&:= 22 + 2^{22/2} - 2 \\
&:= 33/3 \times ((3+3)^3 - (3^3 + 3/3)) \\
&:= 4 + (4^4 \times (4+4) + 4 \times 4) \\
&:= 5 \times 5 + (((5+5)/5)^{55/5} - 5) \\
&:= 66/6 \times ((6 \times (6 \times 6 - 6) + ((6+6)/6)) + 6) \\
&:= 77/7 \times (777/7 + 77) \\
&:= 8 + (((8 \times 8 \times 8 \times 8) + 8)/(8+8)/8) + 8) \\
&:= 9 + (((9+9)/9)^{99/9} + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2069 &:= 11 + (11 + ((1+1)^{11} - 1)) \\
&:= 22 + (2^{22/2} - 2/2) \\
&:= 3 \times 3 + ((33/3)^3 + 3^{3+3}) \\
&:= (4+4) \times (4^4 + 4) - 44/4 \\
&:= 55 + (5^5 - 5555/5) \\
&:= 66/6 + (6 \times ((6/6 + 6)^{6 \times 6/(6+6)})) \\
&:= 77/7 + 7 \times 7 \times (7 \times 7 - 7) \\
&:= 8 + ((8 \times (8+8) \times (8+8)) + (88 + 8 + 8)/8) \\
&:= 99 + (9 \times 9 \times (9+9) + (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2070 &:= 11 + (11 + (1+1)^{11}) \\
&:= 22 + 2^{22/2} \\
&:= 3 \times ((3 \times ((3+3)^3 + 3)) + 33) \\
&:= (((4+4)^4) + 44)/((4+4)/4) \\
&:= (5 \times (5 \times (5 \times 5 + 55 + 5))) - 55 \\
&:= 6 \times ((666 \times 6/(6+6) + 6) + 6) \\
&:= (7 - 7/7) \times (7 \times 7 \times 7 + ((7+7)/7)) \\
&:= ((8+8)/8) \times (8 \times 8 \times (8+8) + (88/8)) \\
&:= (9/9 + 9) \times (99 + 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2071 &:= 1 + (11 + (11 + (1+1)^{11})) \\
&:= 22 + 2^{22/2} + 2/2 \\
&:= (3 \times 3 + 3)^3 + (((3/3 + 3) + 3)^3) \\
&:= (4+4) \times (4^4 + 4) - (4/4 + 4 + 4) \\
&:= 5^5 - (((5-5/5)^5 + 5 \times 5) + 5) \\
&:= 6 + ((6 \times 6 - 6/6) \times (66 - (6/6 + 6))) \\
&:= 7 + (7 \times 7 \times (7 \times 7 - 7) - 7/7 + 7) \\
&:= 8 + (((8 \times (8+8) \times (8+8)) - 8/8) + 8) + 8) \\
&:= (9/9 + 9 + 9) \times (9/9 + 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2072 &:= (1+1)^{11} + ((1+1) \times (1+11)) \\
&:= 2 + 2^{22/2} + 22 \\
&:= 3^3 + ((3-3/3)^{33/3} - 3) \\
&:= (4+4) \times ((4^4 - 4/4) + 4) \\
&:= (55 + 5/5) \times (((5+5)/5)^5 + 5) \\
&:= 6 + (((((6+6)/6)^{66/6} + 6) + 6) + 6) \\
&:= 7 + (7 \times 7 \times (7 \times 7 - 7) + 7) \\
&:= 8 + (((8 \times (8+8) \times (8+8)) + 8) + 8) \\
&:= 9 + (((99+9) \times (9/9 + 9 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2073 &:= 1 + ((1+1)^{11} + ((1+1) \times (1+11))) \\
&:= 2 + 2^{22/2} + 22 + 2/2 \\
&:= (3 \times (3^{3+3} - 3^3)) - 33 \\
&:= 4 + ((4+4) \times (4^4 + 4) - 44/4) \\
&:= 5 \times 5 + (((5+5)/5)^{55/5}) \\
&:= 6 + (((6 \times 666) + 6)/((6+6)/6)) + 66) \\
&:= 7 + ((7 \times 7 \times (7 \times 7 - 7) + 7/7) + 7) \\
&:= 8 + (((8 \times (8+8) \times (8+8)) + 8/8) + 8) + 8) \\
&:= 9 + (((9+9) \times (99+9) + 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2074 &:= (1+1)^{11} + ((1+1) \times (1+1+11)) \\
&:= 2 + 2^{22/2} + 22 + 2 \\
&:= (3/3 + 33) \times (((3/3 + 3)^3) - 3) \\
&:= 4 + ((4+4)^4 + 44)/((4+4)/4) \\
&:= 5 + ((55 - 5555/5) + 5^5) \\
&:= (66/6 + 6) \times ((666 + 66)/6) \\
&:= 7 + ((7 \times 7 \times (7 \times 7 - 7) + ((7+7)/7)) + 7) \\
&:= (8/8 + 8 + 8) \times ((888 + 88)/8) \\
&:= (9 \times (99 + 9)) + (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2075 &:= (1+1)^{11} + (1+1+1)^{1+1+1} \\
&:= 2 + 2^{22/2} + 22 + 2/2 + 2 \\
&:= 3^3 + (3 - 3/3)^{33/3} \\
&:= (4+4) \times (4^4 + 4) - (4/4 + 4) \\
&:= 5 \times (((5 \times (5 \times 5 + 55) + 5) + 5) + 5) \\
&:= 66 + (((6-6/6) \times (6 \times 66 + 6)) - 6/6) \\
&:= 7 + (7 \times 7 \times (7 \times 7 - 7) + ((77-7)/7)) \\
&:= 8 + (((8 \times (8+8) \times (8+8)) + (88/8)) + 8) \\
&:= 9 + (((9+9)/9)^{99/9} + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2076 &:= 1 + ((1+1)^{11} + (1+1+1)^{1+1+1}) \\
&:= 2 + 2^{22/2} + 22 + 2 + 2 \\
&:= (3+3) \times (((3/3 + 3) + 3)^3) + 3) \\
&:= (4+4) \times (4^4 + 4) - 4 \\
&:= 5^5 - ((5-5/5)^5 + 5 \times 5) \\
&:= 66 + ((6-6/6) \times (6 \times 66 + 6)) \\
&:= 7 + 7 \times 7 \times (7 \times 7 - 7) + 77/7 \\
&:= ((8 \times (8 \times 8 \times 8 + 8)) - 8)/(8+8)/8) \\
&:= 9 \times 9 \times (9 + 9 + 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2077 &:= (1+1)^{11} + (((11-1) \times (1+1+1)) - 1) \\
&:= 2 \times 22^2 + 2222/2 - 2 \\
&:= 3 \times 3^{3+3} + ((3-333)/3) \\
&:= 4/4 + ((4+4) \times (4^4 + 4) - 4) \\
&:= 5 + ((55 + 5/5) \times (((5+5)/5)^5 + 5)) \\
&:= (66 + 6/6) \times ((6 \times 6 - 6) + 6/6) \\
&:= 7 + 7 \times 7 \times (7 \times 7 - 7) + (77 + 7)/7 \\
&:= ((8+8+8) \times (88 - 8/8)) - 88/8 \\
&:= 9 \times 9 + (((9+9)/9) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2078 &:= (1+1)^{11} + ((11-1) \times (1+1+1)) \\
&:= 22 + 2^{22/2} + 2 \times (2+2) \\
&:= 3 + ((3-3/3)^{33/3} + 3^3) \\
&:= (4+4) \times (4^4 + 4) - (4+4)/4 \\
&:= 5 + (((5+5)/5)^{55/5} + 5 \times 5) \\
&:= 6 \times 6 + (((6+6)/6)^{66/6} - 6) \\
&:= 7 + ((7 \times 7 \times (7 \times 7 - 7) - 7/7 + 7) + 7) \\
&:= 8 + ((88 + 88)/8 + (8 \times (8+8) \times (8+8))) \\
&:= (99 \times (((99+9)/9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2079 &:= 1 + ((1+1)^{11} + ((11-1) \times (1+1+1))) \\
&:= 2 \times 22^2 + 2222/2 \\
&:= 3 \times (33 \times ((3 \times (3+3)) + 3)) \\
&:= (4+4) \times (4^4 + 4) - 4/4 \\
&:= ((5+5) \times ((5^5 - 5)/(5+5+5))) - 5/5 \\
&:= 6 \times 6 + (((((6+6)/6)^{66/6} - 6) + 6/6) \\
&:= 7 + ((7 \times 7 \times (7 \times 7 - 7) + 7) + 7) \\
&:= (88/8 - 8) \times (8 \times 88 - (88/8)) \\
&:= 99 \times (((99+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2080 &:= (1+1)^{11} + ((11 \times (1+1+1)) - 1) \\
&:= 2^{22/2} + 2 \times 2^{2+2} \\
&:= 3/3 + (3 \times (33 \times ((3 \times (3+3)) + 3))) \\
&:= (4+4) \times (4^4 + 4) \\
&:= (5+5) \times ((5^5 - 5)/(5+5+5)) \\
&:= (6/6 - 66) \times (6 - ((6+6)/6 + 6 \times 6)) \\
&:= 7 + (((7 \times 7 \times (7 \times 7 - 7) + 7/7) + 7) + 7) \\
&:= 8 \times ((8 \times 8 \times 8 + 8)/(8+8)/8)) \\
&:= 9/9 + (99 \times (((99+9)/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2081 &:= (1+1)^{11} + (11 \times (1+1+1)) \\
&:= 22 + (2^{22/2} + 22/2) \\
&:= 33 + (3 - 3/3)^{33/3} \\
&:= 4/4 + (4+4) \times (4^4 + 4) \\
&:= 5 + (5^5 - ((5-5/5)^5 + 5 \times 5)) \\
&:= (6 \times (6 \times (((6+6)/6)^6 - 6))) - 6/6 - 6 \\
&:= 7 + (((7 \times 7 \times (7 \times 7 - 7) + ((7+7)/7)) + 7) + 7) \\
&:= 8/8 + (8 \times ((8 \times 8 \times 8 + 8)/(8+8)/8)) \\
&:= 9 \times 9 + (((9+9)/9) \times (999 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2082 &:= 1 + ((1+1)^{11} + (11 \times (1+1+1))) \\
&:= ((2 \times (22 + 2))^2) - 222 \\
&:= 3 + (3 \times (33 \times ((3 \times (3+3)) + 3))) \\
&:= (4+4)/4 + (4+4) \times (4^4 + 4) \\
&:= 5 + (((55 + 5/5) \times (((5+5)/5)^5 + 5)) + 5) \\
&:= (6 \times (6 \times (((6+6)/6)^6 - 6))) - 6 \\
&:= ((7+7+7)/7)^7 - (7 \times (7+7) + 7) \\
&:= ((88/8 + 8) \times (888 - 8)/8) - 8 \\
&:= (9 \times (99 + 9)) + ((9999 - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2083 &:= 1 + (1 + ((1 + 1)^{11} + (11 \times (1 + 1 + 1)))) \\
&:= 2 + (2^{22/2} + 22/2) + 22 \\
&:= 3 + 3 \times 33 \times (3 \times (3 + 3) + 3) + 3/3 \\
&:= 4 + ((4 + 4) \times (4^4 + 4) - 4/4) \\
&:= 5 + (((5 + 5)/5)^{55/5} + 5 \times 5) + 5 \\
&:= 6 + ((66 + 6/6) \times ((6 \times 6 - 6) + 6/6)) \\
&:= 7 + (7 \times 7 \times (7 \times 7 - 7) + 77/7 + 7) \\
&:= 8 + (((8 \times (8 + 8) \times (8 + 8)) + (88/8)) + 8) + 8 \\
&:= (9 \times (99 + 9)) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2084 &:= (1 + 1)^{11} + ((1 + 1 + 1) \times (1 + 11)) \\
&:= 22^2 + (2 \times (22 - 2))^2 \\
&:= 3 + ((3 - 3/3)^{33/3} + 33) \\
&:= 4 + (4 + 4) \times (4^4 + 4) \\
&:= (5 - 5/5) \times ((5^5 + 5/5)/(5/5 + 5)) \\
&:= 6 \times 6 + (((6 + 6)/6)^{66/6}) \\
&:= 7 + (7 \times 7 \times (7 \times 7 - 7) + (77 + 7)/7 + 7) \\
&:= ((8 \times (8 \times 8 \times 8 + 8)) + 8)/(8 + 8)/8 \\
&:= 9 + (((9 + 9)/9)^{99/9} + 9) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2085 &:= (1 + 1)^{11} + (111/(1 + 1 + 1)) \\
&:= 2/2 + ((2 \times (22 - 2))^2 + 22^2) \\
&:= (3 \times (3^{3+3} - 33)) - 3 \\
&:= 4 + ((4 + 4) \times (4^4 + 4) + 4/4) \\
&:= 5 + ((5 + 5) \times ((5^5 - 5)/(5 + 5 + 5))) \\
&:= 6 \times 6 + (((6 + 6)/6)^{66/6} + 6/6) \\
&:= 77 + (7 \times (7 \times (7 \times 7 - 7) - 7) - 7/7) \\
&:= (88/8 - 8) \times (8 \times 88 - (8/8 + 8)) \\
&:= 9 + (9 \times 9 \times (9 + 9 + 9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2086 &:= ((1 + 1 + 11)^{1+1+1}) - 111 \\
&:= 2 + ((2 \times (22 - 2))^2 + 22^2) \\
&:= 3/3 + 3 \times (3^{3+3} - 33) - 3 \\
&:= 4 + ((4 + 4) \times (4^4 + 4) + (4 + 4)/4) \\
&:= 5^5 - (((5 - 5/5)^5 + 5) + 5) + 5 \\
&:= (6 \times (6 \times (((6 + 6)/6)^6 - 6))) - (6 + 6)/6 \\
&:= 77 + 7 \times (7 \times (7 \times 7 - 7) - 7) \\
&:= ((8 + 8 + 8) \times (88 - 8/8)) - (8 + 8)/8 \\
&:= 999 + (((99 \times 99) - (9 + 9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2087 &:= 1 + (((1 + 1 + 11)^{1+1+1}) - 111) \\
&:= 2^{22/2} + (2 \times (22 - 2) - 2/2) \\
&:= (3 \times (3^{3+3} - 33)) - 3/3 \\
&:= 4 + (((4 + 4) \times (4^4 + 4) - 4/4) + 4) \\
&:= 5^5 + (5/5 - (((5 - 5/5)^5 + 5) + 5) + 5) \\
&:= (6 \times (6 \times (((6 + 6)/6)^6 - 6))) - 6/6 \\
&:= 7/7 + (7 \times (7 \times (7 \times 7 - 7) - 7) + 77) \\
&:= ((8 + 8 + 8) \times (88 - 8/8)) - 8/8 \\
&:= 999 + (((99 \times 99) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2088 &:= (1 + 1)^{11} + ((1 + 1) \times ((1 + 1) \times (11 - 1))) \\
&:= 2^{22/2} + 2 \times (22 - 2) \\
&:= 3 \times (3^{3+3} - 33) \\
&:= 4 + ((4 + 4) \times (4^4 + 4) + 4) \\
&:= (5 + 5)/5 \times (((5 - 5/5)^5 - 5) + 5 \times 5) \\
&:= 6 \times (6 \times (((6 + 6)/6)^6 - 6)) \\
&:= (7 - 7/7) \times ((7 \times 7 \times 7 - ((7 + 7)/7)) + 7) \\
&:= (8 + 8 + 8) \times (88 - 8/8) \\
&:= 9 \times 9 \times (9 + 9 + 9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2089 &:= ((1 + 1) \times (1111 - 11)) - 111 \\
&:= 2/2 + (2^{22/2} + 2 \times (22 - 2)) \\
&:= 3/3 + (3 \times (3^{3+3} - 33)) \\
&:= 4 + (((4 + 4) \times (4^4 + 4) + 4/4) + 4) \\
&:= 5^5 - ((5 - 5/5)^5 + ((55 + 5)/5)) \\
&:= 6/6 + (6 \times (6 \times (((6 + 6)/6)^6 - 6))) \\
&:= ((7 + 7 + 7)/7)^7 - 7 \times (7 + 7) \\
&:= 8/8 + ((8 + 8 + 8) \times (88 - 8/8)) \\
&:= 9/9 + (9 \times 9 \times (9 + 9 + 9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2090 &:= (111 - 1) \times (((1 + 1) \times (11 - 1)) - 1) \\
&:= 2 \times 22 + 2^{22/2} - 2 \\
&:= 3 + ((3 \times (3^{3+3} - 33)) - 3/3) \\
&:= 44 + (4^4 \times (4 + 4) - (4 + 4)/4) \\
&:= 55 + (55 \times (((5 + 5)/5)^5 + 5)) \\
&:= 6 + (((6 + 6)/6)^{66/6} + 6 \times 6) \\
&:= 7 \times 7 + (((7 + 7)/7)^{77/7} - 7) \\
&:= (88/8 + 8) \times (888 - 8)/8 \\
&:= (9/9 + 9 + 9) \times (99/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2091 &:= 1 + ((111 - 1) \times (((1 + 1) \times (11 - 1)) - 1)) \\
&:= 2 \times 22 + (2^{22/2} - 2/2) \\
&:= 3 + (3 \times (3^{3+3} - 33)) \\
&:= 44 + (4^4 \times (4 + 4) - 4/4) \\
&:= 5^5 - (((5 - 5/5)^5 + 5) + 5) \\
&:= 666/6 + 66 \times (6 \times 6 - 6) \\
&:= (7 + 7) \times (77 - 7) + 7777/7 \\
&:= (88/8 - 8) \times ((8 \times 88 - 8) + 8/8) \\
&:= 999/9 + (99 \times (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2092 &:= (1 + 1)^{11} + ((1 + 1) \times (11 + 11)) \\
&:= 2 \times 22 + 2^{22/2} \\
&:= 3 + ((3 \times (3^{3+3} - 33)) + 3/3) \\
&:= 44 + 4^4 \times (4 + 4) \\
&:= 5^5 + (5/5 - (((5 - 5/5)^5 + 5) + 5)) \\
&:= 66 \times (6 \times 6 - 6) + (666 + 6)/6 \\
&:= 7 \times 77 + (((7 + 7) \times 777) - 7)/7 \\
&:= ((8 \times 8 \times 8 + 88)/(8 + 8)/8) \\
&:= 9 + (9999/9 + (9 \times (99 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2093 &:= 1 + ((1 + 1)^{11} + ((1 + 1) \times (11 + 11))) \\
&:= 2/2 + (2^{22/2} + 2 \times 22) \\
&:= 33 + (((33/3)^3 + 3^{3+3}) \\
&:= 44 + (4^4 \times (4 + 4) + 4/4) \\
&:= 55 + ((5 + 5)/5 \times ((5 - 5/5)^5 - 5)) \\
&:= 6 \times 6 \times (66 - 6) - (66 + 6/6) \\
&:= 7 \times (7 \times (7 \times 7 - 7) + 7) - (7 + 7) \\
&:= (88 \times (8 + 8 + 8)) - (88/8 + 8) \\
&:= ((99 + 9 + 9)/9) \times (9 \times (9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2094 &:= (1 + 1)^{11} + ((1 + 1) \times (1 + (11 + 11))) \\
&:= (2 \times 22 + 2)^2 - 22 \\
&:= 3 + ((3 \times (3^{3+3} - 33)) + 3) \\
&:= 44 + (4^4 \times (4 + 4) + (4 + 4)/4) \\
&:= 5^5 - (((5 - 5/5)^5 + ((5 + 5)/5)) + 5) \\
&:= 6 \times 6 \times (66 - 6) - 66 \\
&:= (7 - 7/7) \times ((7 \times 7 \times 7 - 7/7) + 7) \\
&:= ((8 + 8)/8) \times (8888/8 - 8 \times 8) \\
&:= (9 \times (9 \times (9 + 9 + 9) - 9)) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2095 &:= 1 + ((1 + 1)^{11} + ((1 + 1) \times (1 + (11 + 11)))) \\
&:= 2/2 + (2 \times 22 + 2)^2 - 22 \\
&:= (3 \times (3^{3+3} - 3^3)) - 33/3 \\
&:= 4 + ((4^4 \times (4 + 4) - 4/4) + 44) \\
&:= ((55 + 5) \times ((5 \times 5 + 5) + 5)) - 5 \\
&:= 6/6 + (6 \times 6 \times (66 - 6) - 66) \\
&:= 7 \times (7 \times (7 \times 7 - 7) + 7) - (77 + 7)/7 \\
&:= (88 \times (8 + 8 + 8)) - (8/8 + 8 + 8) \\
&:= (9 \times (9 \times (9 + 9 + 9) - 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2096 &:= (1 + 1)^{11} + ((1 + 1) \times ((1 + 1) \times (1 + 11))) \\
&:= 2 + (2 \times 22 + 2)^2 - 22 \\
&:= ((33/3 + 3)^3) - 3 \times (3 + 3)^3 \\
&:= 4 + (4^4 \times (4 + 4) + 44) \\
&:= 5^5 - (((5 - 5/5)^5 + 5) \\
&:= 6 \times 6 \times (66 - 6) - ((6 + 6)/6)^6 \\
&:= 7 + (((7 + 7 + 7)/7)^7 - 7 \times (7 + 7)) \\
&:= (88 \times (8 + 8 + 8)) - 8 - 8 \\
&:= (9 \times (9 \times (9 + 9 + 9) - 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2097 &:= (11 - 1 - 1) \times (11 + (1 + 1) \times 111) \\
&:= 2 + (2 \times 22 + 2)^2 - 22 + 2/2 \\
&:= 3 \times ((3^{3+3} - 33) + 3) \\
&:= 4 + ((4^4 \times (4 + 4) + 44) + 4/4) \\
&:= 5^5 + (5/5 - (((5 - 5/5)^5 + 5) + 5)) \\
&:= 6 + (66 \times (6 \times 6 - 6) + 666/6) \\
&:= 7 \times 7 + (((7 + 7)/7)^{77/7}) \\
&:= 8/8 + ((88 \times (8 + 8 + 8)) - (8 + 8)) \\
&:= (9 \times (9 \times (9 + 9 + 9) - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2098 &:= (1+1)^{11} + ((11-1)^{1+1}/(1+1)) \\
&:= 2 + (2 \times 22 + 2)^2 - 22 + 2 \\
&:= 3/3 + (3 \times ((3^{3+3} - 33) + 3)) \\
&:= 4 + ((4^4 \times (4+4) + (4+4)/4) + 44) \\
&:= 55 + (((5+5)/5)^{55/5}) - 5 \\
&:= ((6-66) \times (6/6 - 6 \times 6)) - (6+6)/6 \\
&:= 7/7 + (((7+7)/7)^{77/7}) + 7 \times 7 \\
&:= 8 + ((88/8+8) \times (888-8)/8) \\
&:= 9/9 + ((9 \times (9 \times (9+9+9) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2099 &:= ((1+1) \times (1111-1)) - 11^{1+1} \\
&:= 2222 - (22/2)^2 - 2 \\
&:= 33/3 + (3 \times (3^{3+3} - 33)) \\
&:= 4 + (((4^4 \times (4+4) - 4/4) + 44) + 4) \\
&:= 5^5 - ((5-5/5)^5 + ((5+5)/5)) \\
&:= ((6-66) \times (6/6 - 6 \times 6)) - 6/6 \\
&:= 7 \times (7 \times (7 \times 7 - 7) + 7) - (7/7 + 7) \\
&:= ((88/8-8)^{8-8/8}) - 88 \\
&:= 9 + ((9/9+9+9) \times (99/9+99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2100 &:= (11 + (11-1)) \times (11-1)^{1+1} \\
&:= (2 \times 22 + 2)^2 - 2^{2+2} \\
&:= 3 + (3 \times ((3^{3+3} - 33) + 3)) \\
&:= 4 + ((4^4 \times (4+4) + 44) + 4) \\
&:= (55+5) \times ((5 \times 5 + 5) + 5) \\
&:= (6-66) \times (6/6 - 6 \times 6) \\
&:= (7-7/7) \times (7 \times 7 \times 7 + 7) \\
&:= (88 \times (8+8+8)) - (88+8)/8 \\
&:= (9/9+9) \times (999/9+99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2101 &:= ((1+1) \times 1111) - 11^{1+1} \\
&:= 2222 - (22/2)^2 \\
&:= (33 \times ((3/3+3)^3)) - 33/3 \\
&:= 44 \times (44+4) - 44/4 \\
&:= 5^5 - (5-5/5)^5 \\
&:= 6/6 + ((6-66) \times (6/6 - 6 \times 6)) \\
&:= 7/7 + ((7-7/7) \times (7 \times 7 \times 7 + 7)) \\
&:= (88 \times (8+8+8)) - 88/8 \\
&:= 999 + (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2102 &:= 1 + (((1+1) \times 1111) - 11^{1+1}) \\
&:= 2 + (2 \times 22 + 2)^2 - 2^{2+2} \\
&:= (3 \times (3^{3+3} - 3^3)) - (3/3 + 3) \\
&:= (4-44)/4 + 44 \times (44+4) \\
&:= 5^5 + (5/5 - (5-5/5)^5) \\
&:= 6 + (6 \times 6 \times (66-6) - ((6+6)/6)^6) \\
&:= (7+7)/7 + ((7-7/7) \times (7 \times 7 \times 7 + 7)) \\
&:= (8-88)/8 + (88 \times (8+8+8)) \\
&:= 999 + ((9999+9)/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2103 &:= (1+1)^{11} + (111-1)/(1+1) \\
&:= 2 + 2222 - (22/2)^2 \\
&:= (3 \times (3^{3+3} - 3^3)) - 3 \\
&:= 44 + (4^4 \times (4+4) + 44/4) \\
&:= 55 + (((5+5)/5)^{55/5}) \\
&:= ((6 \times (666+6 \times 6)) - 6)/((6+6)/6) \\
&:= ((7+7+7)/7)^7 - 77 - 7 \\
&:= (88 \times (8+8+8)) - (8/8+8) \\
&:= (9 \times (9 \times (9+9+9) - 9)) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2104 &:= (1+1)^{11} + (1+111)/(1+1) \\
&:= 2 \times (2 \times (22 \times (22+2) - 2)) \\
&:= 3/3 + ((3 \times (3^{3+3} - 3^3)) - 3) \\
&:= 44 \times (44+4) - 4 - 4 \\
&:= 5 + (5^5 - ((5-5/5)^5 + ((5+5)/5))) \\
&:= 6 + (((6-66) \times (6/6 - 6 \times 6)) - ((6+6)/6)) \\
&:= 7 + (((7+7)/7)^{77/7}) + 7 \times 7 \\
&:= (88 \times (8+8+8)) - 8 \\
&:= (9 \times (9 \times (9+9+9) - 9)) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2105 &:= 1 + ((1+1)^{11} + (1+111)/(1+1)) \\
&:= (2 \times 22 + 2)^2 - 22/2 \\
&:= (3 \times (3^{3+3} - 3^3)) - 3/3 \\
&:= 4 + (44 \times (44+4) - 44/4) \\
&:= 5 + ((55+5) \times ((5 \times 5 + 5) + 5)) \\
&:= 6 + (((6-66) \times (6/6 - 6 \times 6)) - 6/6) \\
&:= 7 \times (7 \times (7 \times 7 - 7) + 7) - (7+7)/7 \\
&:= 8/8 + ((88 \times (8+8+8)) - 8) \\
&:= (9 \times (9 \times (9+9+9) - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2106 &:= 1 + (1 + ((1+1)^{11} + (1+111)/(1+1))) \\
&:= 2 + (2 \times (2 \times ((22 \times (22+2) - 2))) \\
&:= 3 \times (3^{3+3} - 3^3) \\
&:= 44 \times (44+4) - ((4+4)/4 + 4) \\
&:= 5 + (5^5 - (5-5/5)^5) \\
&:= 6 + ((6-66) \times (6/6 - 6 \times 6)) \\
&:= 7 \times (7 \times (7 \times 7 - 7) + 7) - 7/7 \\
&:= (8+8)/8 + ((88 \times (8+8+8)) - 8) \\
&:= 9 \times (9 \times (9+9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2107 &:= ((1+1) \times (1111 - (1+1))) - 111 \\
&:= 2 + ((2 \times 22 + 2)^2 - 22/2) \\
&:= 3/3 + (3 \times (3^{3+3} - 3^3)) \\
&:= 44 \times (44+4) - (4/4 + 4) \\
&:= 5 + ((5/5 - (5-5/5)^5) + 5^5) \\
&:= 6 + (((6-66) \times (6/6 - 6 \times 6)) + 6/6) \\
&:= 7 \times (7 \times (7 \times 7 - 7) + 7) \\
&:= 8 + (((88/8-8)^{8-8/8}) - 88) \\
&:= 9/9 + (9 \times (9 \times (9+9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2108 &:= (111 \times (((1+1) \times (11-1)) - 1)) - 1 \\
&:= 2 \times (2 \times (((22+2/2)^2) - 2)) \\
&:= 3 + ((3 \times (3^{3+3} - 3^3)) - 3/3) \\
&:= 44 \times (44+4) - 4 \\
&:= 5 + (((5+5)/5)^{55/5}) + 55 \\
&:= 66 + (((6+6)/6)^{66/6}) - 6 \\
&:= 7/7 + 7 \times (7 \times (7 \times 7 - 7) + 7) \\
&:= (88 \times (8+8+8)) - (8/((8+8)/8)) \\
&:= (9+9)/9 + (9 \times (9 \times (9+9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2109 &:= 111 \times (((1+1) \times (11-1)) - 1) \\
&:= 2222 - (222/2 + 2) \\
&:= 3 + (3 \times (3^{3+3} - 3^3)) \\
&:= 4/4 + (44 \times (44+4) - 4) \\
&:= 555/5 \times (5 \times 5 - (5/5 + 5)) \\
&:= 666/6 \times ((6/6 + 6 + 6) + 6) \\
&:= (7+7)/7 + 7 \times (7 \times (7 \times 7 - 7) + 7) \\
&:= (88/8+8) \times 888/8 \\
&:= (9/9+9+9) \times 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2110 &:= 1 + (111 \times (((1+1) \times (11-1)) - 1)) \\
&:= (2 \times 22 + 2)^2 - (2+2+2) \\
&:= 3 + ((3 \times (3^{3+3} - 3^3)) + 3/3) \\
&:= 44 \times (44+4) - (4+4)/4 \\
&:= 5 + (((55+5) \times ((5 \times 5 + 5) + 5)) + 5) \\
&:= ((66-6)/6) \times (6 \times 6 \times 6 - 6 + 6/6) \\
&:= ((7+7+7)/7)^7 - 77 \\
&:= (88 \times (8+8+8)) - (8+8)/8 \\
&:= 999 + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2111 &:= ((1+1) \times 1111) - 111 \\
&:= 2222 - 222/2 \\
&:= (33 \times ((3/3+3)^3)) - 3/3 \\
&:= 44 \times (44+4) - 4/4 \\
&:= 5 + ((5^5 - (5-5/5)^5) + 5) \\
&:= 66/6 + ((6-66) \times (6/6 - 6 \times 6)) \\
&:= 7/7 + (((7+7+7)/7)^7 - 77) \\
&:= (88 \times (8+8+8)) - 8/8 \\
&:= 999 + (9999+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2112 &:= 1 + (((1+1) \times 1111) - 111) \\
&:= 2 \times (2 \times (22 \times (22+2))) \\
&:= 33 \times ((3/3+3)^3) \\
&:= 44 \times (44+4) \\
&:= 5^5 + (55/5 - (5-5/5)^5) \\
&:= 66 \times (((6+6)/6 - 6) + 6 \times 6) \\
&:= 7 + (7 \times (7 \times (7 \times 7 - 7) + 7) - ((7+7)/7)) \\
&:= 88 \times (8+8+8) \\
&:= 99/9 \times (999/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 2113 &:= ((1+1) \times (1+1111)) - 111 \\ &:= (2 \times 22 + 2)^2 - 2/2 - 2 \\ &:= 3/3 + (33 \times ((3/3 + 3)^3)) \\ &:= 4/4 + 44 \times (44 + 4) \\ &:= 5 + (((5+5)/5)^{55/5} + 55) + 5 \\ &:= (6 \times (6 \times (66 - 6) - 6)) - 66/6 \\ &:= 7 + (7 \times (7 \times (7 \times 7 - 7) + 7) - 7/7) \\ &:= 8/8 + (88 \times (8 + 8 + 8)) \\ &:= 9 + ((9 \times (9 \times (9 + 9 + 9) - 9)) - ((9 + 9)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 2114 &:= 1 + (((1+1) \times (1+1111)) - 111) \\ &:= (2 \times 22 + 2)^2 - 2 \\ &:= 3 + ((33 \times ((3/3 + 3)^3)) - 3/3) \\ &:= (4 + 4)/4 + 44 \times (44 + 4) \\ &:= 5 + (555/5 \times (5 \times 5 - (5/5 + 5))) \\ &:= 66 + (((6+6)/6)^{66/6}) \\ &:= 7 + 7 \times (7 \times (7 \times 7 - 7) + 7) \\ &:= (8 + 8)/8 + (88 \times (8 + 8 + 8)) \\ &:= 9 + ((9 \times (9 \times (9 + 9 + 9) - 9)) - 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 2115 &:= (((1+1) \times (1+(11+11)))^{1+1}) - 1 \\ &:= (2 \times 22 + 2)^2 - 2/2 \\ &:= 3 + (33 \times ((3/3 + 3)^3)) \\ &:= 4 + (44 \times (44 + 4) - 4/4) \\ &:= 555 + (5 \times (5^5 - 5)/5 + 5) \\ &:= 6 + (666/6 \times ((6/6 + 6 + 6) + 6)) \\ &:= 7 + (7 \times (7 \times (7 \times 7 - 7) + 7) + 7/7) \\ &:= 88/8 + ((88 \times (8 + 8 + 8)) - 8) \\ &:= 9 + (9 \times (9 \times (9 + 9 + 9) - 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 2116 &:= ((1+1) \times (1+(11+11)))^{1+1} \\ &:= (2 \times 22 + 2)^2 \\ &:= 3 + ((33 \times ((3/3 + 3)^3)) + 3/3) \\ &:= 4 + 44 \times (44 + 4) \\ &:= 5 + (((5^5 - (5 - 5/5)^5) + 5) + 5) \\ &:= (((66 - 6)/6) + 6 \times 6)^{(6+6)/6} \\ &:= (7 \times 7 - ((7 + 7 + 7)/7))^{(7+7)/7} \\ &:= (8/((8+8)/8)) + (88 \times (8 + 8 + 8)) \\ &:= 9 + ((9 \times (9 \times (9 + 9 + 9) - 9)) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 2117 &:= 1 + (((1+1) \times (1+(11+11)))^{1+1}) \\ &:= 2/2 + (2 \times 22 + 2)^2 \\ &:= 33/3 + (3 \times (3^{3+3} - 3^3)) \\ &:= 4 + (44 \times (44 + 4) + 4/4) \\ &:= 5 + ((55/5 - (5 - 5/5)^5) + 5^5) \\ &:= (6 \times (6 \times (66 - 6) - 6)) - 6/6 - 6 \\ &:= 7 + (((7 + 7 + 7)/7)^7 - 77) \\ &:= 8 + ((88/8 + 8) \times 888/8) \\ &:= 99/9 + (9 \times (9 \times (9 + 9 + 9) - 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 2118 &:= 1 + (1 + (((1+1) \times (1+(11+11)))^{1+1})) \\ &:= 2 + (2 \times 22 + 2)^2 \\ &:= 3 + ((33 \times ((3/3 + 3)^3)) + 3) \\ &:= 4 + (44 \times (44 + 4) + (4 + 4)/4) \\ &:= 555 + ((5^5 + 5/5)/(5 + 5)/5) \\ &:= (6 \times (6 \times (66 - 6) - 6)) - 6 \\ &:= 77 + (((7 + 7)/7)^{77/7} - 7) \\ &:= 8 + ((88 \times (8 + 8 + 8)) - ((8 + 8)/8)) \\ &:= 9 + ((9/9 + 9 + 9) \times 999/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 2119 &:= 1 + (1 + (1 + (((1+1) \times (1+(11+11)))^{1+1}))) \\ &:= 2 + (2 \times 22 + 2)^2 + 2/2 \\ &:= 3 + (((33 \times ((3/3 + 3)^3)) + 3/3) + 3) \\ &:= 4 + ((44 \times (44 + 4) - 4/4) + 4) \\ &:= (5 - 5/5)^5 + (55 \times (5 \times 5 - 5) - 5) \\ &:= 6/6 + ((6 \times (6 \times (66 - 6) - 6)) - 6) \\ &:= (77 + 7)/7 + 7 \times (7 \times (7 \times 7 - 7) + 7) \\ &:= 8 + ((88 \times (8 + 8 + 8)) - 8/8) \\ &:= 9 + (9999/9 + 999) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 2120 &:= 11 + (11 \times (((1+1) \times (11 - 1)) - 1)) \\ &:= 2 + (2 \times 22 + 2)^2 + 2 \\ &:= 3 \times 3^{3+3} - (((3/3 + 3)^3) + 3) \\ &:= 4 + (44 \times (44 + 4) + 4) \\ &:= (5 - 5/5) \times (555 - 5 \times 5) \\ &:= 6 + (((6+6)/6)^{66/6}) + 66 \\ &:= 7 + ((7 \times (7 \times (7 \times 7 - 7) + 7) - 7/7) + 7) \\ &:= 8 + (88 \times (8 + 8 + 8)) \\ &:= 9 \times 9 + (((9+9)/9)^{99/9} - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 2121 &:= (11 + (11 - 1)) \times (1 + (11 - 1)^{1+1}) \\ &:= 2 + (2 \times 22 + 2)^2 + 2/2 + 2 \\ &:= 3 \times 3 + (33 \times ((3/3 + 3)^3)) \\ &:= 4 + ((44 \times (44 + 4) + 4/4) + 4) \\ &:= 5 \times 5 + (5^5 - ((5 - 5/5)^5 + 5)) \\ &:= (((6 \times 6)/(6 + 6))^{6/6+6}) - 66 \\ &:= 7 + (7 \times (7 \times (7 \times 7 - 7) + 7) + 7) \\ &:= 8 + ((88 \times (8 + 8 + 8)) + 8/8) \\ &:= 9 + ((99/9) \times (999/9 + 9 \times 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 2122 &:= 11 + (((1+1) \times 1111) - 111) \\ &:= 2 + (2 \times 22 + 2)^2 + 2 + 2 \\ &:= 3 \times 3 + ((33 \times ((3/3 + 3)^3)) + 3/3) \\ &:= (44 - 4)/4 + 44 \times (44 + 4) \\ &:= 5 + (((55/5 - (5 - 5/5)^5) + 5^5) + 5) \\ &:= (6 \times (6 \times (66 - 6) - 6)) - (6 + 6)/6 \\ &:= 7 + ((7 \times (7 \times (7 \times 7 - 7) + 7) + 7/7) + 7) \\ &:= 8 + ((88 \times (8 + 8 + 8)) + ((8 + 8)/8)) \\ &:= 9 + (((9 \times (9 \times (9 + 9 + 9) - 9)) - ((9 + 9)/9)) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 2123 &:= 1 + (11 + (((1+1) \times 1111) - 111)) \\ &:= 2 + (2 \times 22 + 2)^2 + 2/2 + 2 + 2 \\ &:= 3 \times 3^{3+3} - ((3/3 + 3)^3) \\ &:= 44/4 + 44 \times (44 + 4) \\ &:= (5 \times (5 + 5 + 5)) + (((5 + 5)/5)^{55/5}) \\ &:= (6 \times (6 \times (66 - 6) - 6)) - 6/6 \\ &:= 7 + ((7 \times 7 - ((7 + 7 + 7)/7))^{(7+7)/7}) \\ &:= 88/8 + (88 \times (8 + 8 + 8)) \\ &:= 9 + (((9 \times (9 \times (9 + 9 + 9) - 9)) - 9/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 2124 &:= 1111 + (1+1)^{11-1} - 11 \\ &:= 2 \times 2 \times ((22 + 2/2)^2 + 2) \\ &:= 3 \times ((3^{3+3} - 3^3) + 3) + 3 \\ &:= 44 + (4 + 4) \times (4^4 + 4) \\ &:= (5 - 5/5)^5 + 55 \times (5 \times 5 - 5) \\ &:= 6 \times (6 \times (66 - 6) - 6) \\ &:= 7 + (((7 + 7 + 7)/7)^7 - 77) + 7 \\ &:= ((88 + 8)/8) + (88 \times (8 + 8 + 8)) \\ &:= 9 + ((9 \times (9 \times (9 + 9 + 9) - 9)) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 2125 &:= 1 + (1111 + (1+1)^{11-1} - 11) \\ &:= 22/2 + (2 \times 22 + 2)^2 - 2 \\ &:= 3/3 + (3 \times ((3^{3+3} - 3^3) + 3) + 3) \\ &:= 44 + ((4 + 4) \times (4^4 + 4) + 4/4) \\ &:= 5 \times (5 \times (5 \times 5 + 55 + 5)) \\ &:= 6/6 + (6 \times (6 \times (66 - 6) - 6)) \\ &:= 77 + (((7 + 7)/7)^{77/7}) \\ &:= 8 + (((88/8 + 8) \times 888/8) + 8) \\ &:= 9 + (((9 \times (9 \times (9 + 9 + 9) - 9)) + 9/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 2126 &:= 11 + (((1+1) \times (1+(11+11)))^{1+1}) - 1 \\ &:= 2 + ((2 \times 22 + 2)^2 + 2 \times (2 + 2)) \\ &:= 3 + (3 \times 3^{3+3} - ((3/3 + 3)^3)) \\ &:= 4 + (44 \times (44 + 4) + (44 - 4)/4) \\ &:= 5 \times 5 + (5^5 - (5 - 5/5)^5) \\ &:= (6 + 6)/6 + (6 \times (6 \times (66 - 6) - 6)) \\ &:= 7/7 + (((7 + 7)/7)^{77/7} + 77) \\ &:= 8 + (((88 \times (8 + 8 + 8)) - ((8 + 8)/8)) + 8) \\ &:= 9 + ((9 \times (9 \times (9 + 9 + 9) - 9)) + (99/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 2127 &:= 11 + (((1+1) \times (1+(11+11)))^{1+1}) \\ &:= 22/2 + (2 \times 22 + 2)^2 \\ &:= 3 \times 3^{3+3} - (3^3 + 33) \\ &:= 4 + (44 \times (44 + 4) + 44/4) \\ &:= 5 \times 5 + ((5/5 - (5 - 5/5)^5) + 5^5) \\ &:= 6 + (((6 \times 6)/(6 + 6))^{6/6+6}) - 66 \\ &:= 77 + (7 \times 7 \times (7 \times 7 - 7) - (7/7 + 7)) \\ &:= 8 + (((88 \times (8 + 8 + 8)) - 8/8) + 8) \\ &:= 9 + (((9/9 + 9 + 9) \times 999/9) + 9) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2128 &:= (1 + 111) \times (((1 + 1) \times (11 - 1)) - 1) \\
&:= 2 \times ((2 \times ((22 + 2/2)^2) + 2)) + 2 \\
&:= 3/3 + (3 \times 3^{3+3} - (3^3 + 33)) \\
&:= 4 \times ((44 \times ((4 + 4) + 4)) + 4) \\
&:= 5 \times 5 + (((5 + 5)/5)^{55/5} + 55) \\
&:= 6 + ((6 \times (6 \times (66 - 6) - 6)) - ((6 + 6)/6)) \\
&:= 77 + (7 \times 7 \times (7 \times 7 - 7) - 7) \\
&:= 8 + ((88 \times (8 + 8 + 8)) + 8) \\
&:= (9/9 + 9 + 9) \times ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2129 &:= (1 + 1)^{11} + (11 - 1 - 1)^{1+1} \\
&:= 2 + ((2 \times 22 + 2)^2 + 22/2) \\
&:= 3 \times 3^3 + (3 - 3/3)^{33/3} \\
&:= (4 - 4/4)^4 + 4^4 \times (4 + 4) \\
&:= 5 + ((5 \times (5 \times (55 + 5))) + (5^5 - 5)/5) \\
&:= 6 + ((6 \times (6 \times (66 - 6) - 6)) - 6/6) \\
&:= 7/7 + ((7 \times 7 \times (7 \times 7 - 7) - 7) + 77) \\
&:= 8 + (((88 \times (8 + 8 + 8)) + 8/8) + 8) \\
&:= 9 \times 9 + (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2130 &:= 1 + ((1 + 1)^{11} + (11 - 1 - 1)^{1+1}) \\
&:= 2^{2+2} + ((2 \times 22 + 2)^2 - 2) \\
&:= (3^3 + 3) \times (((3 + 3)^3 - 3)/3) \\
&:= 4 \times 4 + (44 \times (44 + 4) + (4 + 4)/4) \\
&:= 5 + (5 \times (5 \times (5 \times 5 + 55 + 5))) \\
&:= 6 + (6 \times (6 \times (66 - 6) - 6)) \\
&:= (7 - 7/7) \times ((77 + 7)/7 + 7 \times 7 \times 7) \\
&:= 8 + (((88 \times (8 + 8 + 8)) + (8 + 8)/8) + 8) \\
&:= 9/9 + (((9 + 9)/9)^{99/9}) + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2131 &:= 1 + (1 + ((1 + 1)^{11} + (11 - 1 - 1)^{1+1})) \\
&:= 2 + (((2 \times 22 + 2)^2 + 22/2) + 2) \\
&:= (((3^3 + 3) \times ((3 + 3)^3 - 3) + 3)/3) \\
&:= 4^4 + ((4 - 4/4) \times (4/4 + 4^4)) \\
&:= 5 + ((5 \times 5 - (5 - 5/5)^5) + 5^5) \\
&:= 6 + ((6 \times (6 \times (66 - 6) - 6)) + 6/6) \\
&:= ((7 + 7 + 7)/7)^7 - (7 \times 7 + 7) \\
&:= 8 + ((88 \times (8 + 8 + 8)) + (88/8)) \\
&:= ((99/9 + 9) \times ((99 - 9/9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2132 &:= 1111 + ((1 + 1)^{11-1} - 1 - 1 - 1) \\
&:= 2^{2+2} + (2 \times 22 + 2)^2 \\
&:= (3^3 - 3/3) \times (3 \times 3^3 + 3/3) \\
&:= 4 + (44 \times (44 + 4) + 4 \times 4) \\
&:= ((5 - (5 + 5)/5)^{(5+5)/5+5} - 55) \\
&:= 6 + ((6 \times (6 \times (66 - 6) - 6)) + ((6 + 6)/6)) \\
&:= 7 + (((7 + 7)/7)^{77/7} + 77) \\
&:= 8 + ((88 \times (8 + 8 + 8)) + ((88 + 8)/8)) \\
&:= (((9 + 9)/9)^9) + (9 \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2133 &:= 1111 + ((1 + 1)^{11-1} - (1 + 1)) \\
&:= 22 + (2222 - 222/2) \\
&:= 3 \times (3^{3+3} - (3 \times (3 + 3))) \\
&:= 4 + ((4 - 4/4)^4 + 4^4 \times (4 + 4)) \\
&:= 5^5 + (((5 + 5)/5)^5 - (5 - 5/5)^5) \\
&:= 6 + (((6 \times 6/(6 + 6))^{6/6+6} - 66) + 6) \\
&:= 77 + (7 \times 7 \times (7 \times 7 - 7) - ((7 + 7)/7)) \\
&:= (88/8 - 8) \times ((8 \times 88 - 8/8) + 8) \\
&:= (9 + 9 + 9) \times (9 \times 9 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2134 &:= 1111 + ((1 + 1)^{11-1} - 1) \\
&:= 2222 - 2 \times 2 \times 22 \\
&:= 3/3 + (3 \times (3^{3+3} - (3 \times (3 + 3)))) \\
&:= 4 \times 4^4 + (4444 - 4)/4 \\
&:= 555 + ((5 - 5/5)^5 + 555) \\
&:= ((66 - 6)/6) + (6 \times (6 \times (66 - 6) - 6)) \\
&:= 77 + 7 \times 7 \times (7 \times 7 - 7) - 7/7 \\
&:= 88 + ((8 \times (8 + 8) \times (8 + 8)) - ((8 + 8)/8)) \\
&:= 9/9 + ((9 + 9 + 9) \times (9 \times 9 - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2135 &:= 1111 + (1 + 1)^{11-1} \\
&:= (2^{22/2} + 2222)/2 \\
&:= 3 + ((3^3 - 3/3) \times (3 \times 3^3 + 3/3)) \\
&:= 4 \times 4^4 + 4444/4 \\
&:= 5 + ((5 \times (5 \times (5 \times 5 + 55 + 5))) + 5) \\
&:= 66/6 + (6 \times (6 \times (66 - 6) - 6)) \\
&:= 77 + 7 \times 7 \times (7 \times 7 - 7) \\
&:= 88 + ((8 \times (8 + 8) \times (8 + 8)) - 8/8) \\
&:= 9 + (((9 \times (9 \times (9 + 9 + 9) - 9)) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2136 &:= 1 + (1111 + (1 + 1)^{11-1}) \\
&:= 22 + ((2 \times 22 + 2)^2 - 2) \\
&:= 3 + (3 \times (3^{3+3} - (3 \times (3 + 3)))) \\
&:= (4 + 4) \times (44/4 + 4^4) \\
&:= 5 + (((5 \times 5 - (5 - 5/5)^5) + 5^5) + 5) \\
&:= 6 + ((6 \times (6 \times (66 - 6) - 6)) + 6) \\
&:= 7/7 + (7 \times 7 \times (7 \times 7 - 7) + 77) \\
&:= 88 + (8 \times (8 + 8) \times (8 + 8)) \\
&:= 9 + (((9/9 + 9 + 9) \times 999/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2137 &:= 1 + (1 + (1111 + (1 + 1)^{11-1})) \\
&:= 22 + ((2 \times 22 + 2)^2 - 2/2) \\
&:= 3 + ((3 \times (3^{3+3} - (3 \times (3 + 3)))) + 3/3) \\
&:= 4/4 + ((4 + 4) \times (44/4 + 4^4)) \\
&:= 5 + (((5 - (5 + 5)/5)^{(5+5)/5+5} - 55) \\
&:= 6 + (((6 \times (6 \times (66 - 6) - 6)) + 6/6) + 6) \\
&:= ((7 + 7 + 7)/7)^7 - (7/7 + 7 \times 7) \\
&:= 8/8 + ((8 \times (8 + 8) \times (8 + 8)) + 88) \\
&:= 9 + ((9/9 + 9 + 9) \times ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2138 &:= (1 + 1)^{11} + (11 - 1) \times (11 - 1 - 1) \\
&:= 22 + (2 \times 22 + 2)^2 \\
&:= 3^3 + ((33 \times ((3/3 + 3)^3)) - 3/3) \\
&:= 4 + ((4444 - 4)/4 + 4 \times 4^4) \\
&:= 5 \times 555 - ((55 + 5^5 + 5)/5) \\
&:= 6 \times 6 \times (66 - 6) - ((66 + 66)/6) \\
&:= ((7 + 7 + 7)/7)^7 - 7 \times 7 \\
&:= 88 + ((8 \times (8 + 8) \times (8 + 8)) + ((8 + 8)/8)) \\
&:= 9 + (((9 + 9)/9)^{99/9}) + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2139 &:= 1 + ((1 + 1)^{11} + (11 - 1) \times (11 - 1 - 1)) \\
&:= 22 + ((2 \times 22 + 2)^2 + 2/2) \\
&:= 3^3 + (33 \times ((3/3 + 3)^3)) \\
&:= 4 + (4444/4 + 4 \times 4^4) \\
&:= 5 \times 555 - ((55 + 5^5)/5) \\
&:= ((66 \times 66 - 6)/(6 + 6)/6) - 6 \times 6 \\
&:= 7/7 + (((7 + 7 + 7)/7)^7 - 7 \times 7) \\
&:= 8 + (((88 \times (8 + 8 + 8)) + (88/8)) + 8) \\
&:= ((99/9 + 9) \times 999/9) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2140 &:= 11 + ((1 + 1)^{11} + (11 - 1 - 1)^{1+1}) \\
&:= 2 + ((2 \times 22 + 2)^2 + 22) \\
&:= 3^3 + ((33 \times ((3/3 + 3)^3)) + 3/3) \\
&:= 4 + ((4 + 4) \times (44/4 + 4^4)) \\
&:= (5 - 5/5) \times ((555 - 5 \times 5) + 5) \\
&:= ((66 - 6)/6) \times (6 \times 6 \times 6 - (6 + 6)/6) \\
&:= (7 + 7)/7 + (((7 + 7 + 7)/7)^7 - 7 \times 7) \\
&:= 88 + (((8 \times 8 \times 8 + 8)/(8 + 8)/8)) \\
&:= (99/9 + 9) \times ((99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2141 &:= (1 + 1)^{11} + (((1 + 1)^{11-1} - 1)/11) \\
&:= 2222 - (2/2 + 2)^{2+2} \\
&:= (33/3)^3 + (3^3 \times (3^3 + 3)) \\
&:= (4 - 4/4 + 4)^4 - 4^4 - 4 \\
&:= ((5 - 5^5)/5) + (5 \times 555 - (5 + 5)) \\
&:= 6 + ((6 \times (6 \times (66 - 6) - 6)) + (66/6)) \\
&:= 7 + (7 \times 7 \times (7 \times 7 - 7) - 7/7 + 77) \\
&:= 8 + ((88/8 - 8) \times ((8 \times 88 - 8/8) + 8)) \\
&:= 9 + ((9 \times (99 + 9 \times 9)) + (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2142 &:= (1 + 1) \times ((11 - 1 - 1) \times (11^{1+1} - (1 + 1))) \\
&:= 2 + (((2 \times 22 + 2)^2 + 22) + 2) \\
&:= 3 \times ((3^{3+3} - (3 \times (3 + 3))) + 3) \\
&:= 4/4 + (4 - 4/4 + 4)^4 - 4^4 - 4 \\
&:= (5 - 5/5 + 5) \times (((5 - (5 + 5)/5)^5) - 5) \\
&:= 6 \times (66 \times 66/(6 + 6) - 6) \\
&:= 7 + (7 \times 7 \times (7 \times 7 - 7) + 77) \\
&:= (8/8 + 8 + 8) \times (8 \times (8 + 8) - ((8 + 8)/8)) \\
&:= (9 + 9) \times ((99/9 + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2143 &:= 11 \times ((1+1+1+11)^{1+1} - 1) - 1 - 1 \\
&:= 2 + (2222 - (2/2 + 2)^{2+2}) \\
&:= 3 \times 3^{3+3} - (33/3 + 33) \\
&:= (4^4 - 4)/4 + (4+4) \times (4^4 + 4) \\
&:= 5 \times 555 - ((5^5 + 5 + 5)/5 + 5) \\
&:= 6 \times 6 \times (66 - 6) - (66/6 + 6) \\
&:= 7 + ((7 \times 7 \times (7 \times 7 - 7) + 77) + 7/7) \\
&:= 8 + (((8 \times (8+8) \times (8+8)) - 8/8) + 88) \\
&:= 9/9 + ((9+9) \times ((99/9 + 99) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2144 &:= 11 \times ((1+1+1+11)^{1+1} - 1) - 1 \\
&:= 2^{2+2} \times (22 \times (2+2+2) + 2) \\
&:= (33 - 3/3) \times (((3/3 + 3)^3) + 3) \\
&:= (4+4) \times ((4^4 + 4+4) + 4) \\
&:= 5 \times 555 - ((5^5 + 5)/5 + 5) \\
&:= (6 - 66)/6 + (6 \times 6 \times (66 - 6) - 6) \\
&:= 7 + (((7+7+7)/7)^7 - (7/7 + 7 \times 7)) \\
&:= 8 + ((8 \times (8+8) \times (8+8)) + 88) \\
&:= (9+9)/9 + ((9+9) \times ((99/9 + 99) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2145 &:= 11 \times ((1+1+1+11)^{1+1} - 1) \\
&:= 22/2 \times (((2^{2+2} - 2)^2) - 2/2) \\
&:= (3 \times (3^{3+3} - 3)) - 33 \\
&:= (((4 - 4/4) + 4)^4) - 4^4 \\
&:= 55 \times (55 - (55/5 + 5)) \\
&:= (66 - 6/6) \times (66 \times 6/(6+6)) \\
&:= 7 + (((7+7+7)/7)^7 - 7 \times 7) \\
&:= 8 + (((8 \times (8+8) \times (8+8)) + 88) + 8/8) \\
&:= 99 + (((9+9)/9)^{99/9}) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2146 &:= 1 + 11 \times ((1+1+1+11)^{1+1} - 1) \\
&:= 2 + (2 \times 2 \times (22 + 2) + 2^{22/2}) \\
&:= 3/3 + ((3 \times (3^{3+3} - 3)) - 33) \\
&:= 4/4 + (((4 - 4/4) + 4)^4) - 4^4 \\
&:= ((5 - 5^5)/5) + (5 \times 555 - 5) \\
&:= (6 \times 6 + 6/6) \times (((6+6)/6)^6 - 6) \\
&:= 7 \times (7+7) + (((7+7)/7)^{77/7}) \\
&:= 8 + (((8 \times (8+8) \times (8+8)) + (8+8)/8) + 88) \\
&:= 99 + (((9+9)/9)^{99/9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2147 &:= 111 + ((1+1)^{11} - (1+11)) \\
&:= 222 + ((2 \times 22)^2 - 22/2) \\
&:= 3 \times 33 + (3 - 3/3)^{33/3} \\
&:= 4 + (4+4) \times (4^4 + 4) + (4^4 - 4)/4 \\
&:= 5 \times 555 + (((5 - 5^5) + 5)/5) - 5 \\
&:= 6 \times 6 \times (66 - 6) - (6/6 + 6 + 6) \\
&:= 77 \times (7+7+7+7) - ((7+7)/7 + 7) \\
&:= 88 + ((8 \times (8+8) \times (8+8)) + (88/8)) \\
&:= 99 + (((9+9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2148 &:= 111 + ((1+1)^{11} - 11) \\
&:= 2 \times ((2+2+2)^{2+2} - 222) \\
&:= 3 + ((3 \times (3^{3+3} - 3)) - 33) \\
&:= 4 + ((4+4) \times ((4^4 + 4+4) + 4)) \\
&:= 5 \times 555 - (5^5 + 5 + 5)/5 \\
&:= 6 \times 6 \times (66 - 6) - 6 - 6 \\
&:= 77 \times (7+7+7+7) - (7/7 + 7) \\
&:= 8 + (((8 \times 8 \times 8 \times 8) + 8)/((8+8)/8) + 88) \\
&:= 9/9 + (((9+9)/9)^{99/9}) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2149 &:= 1 + (111 + ((1+1)^{11} - 11)) \\
&:= 22 + ((2 \times 22 + 2)^2 + 22/2) \\
&:= 3 \times 3^{3+3} - (33/3 + 3^3) \\
&:= 4 + (((4 - 4/4) + 4)^4) - 4^4 \\
&:= 5 \times 555 - (5^5 + 5)/5 \\
&:= 6 \times 6 \times (66 - 6) - 66/6 \\
&:= 77 \times (7+7+7+7) - 7 \\
&:= (88 \times (8+8+8)) + 888/(8+8+8) \\
&:= 9 + ((99/9 + 9) \times ((99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2150 &:= 1 + (1 + (111 + ((1+1)^{11} - 11))) \\
&:= 222 + (2 \times (2 \times (22^2 - 2))) \\
&:= (3 \times 3 + 3/3) \times ((3+3)^3 - 3/3) \\
&:= 4 + (4 - 4/4 + 4)^4 - 4^4 + 4/4 \\
&:= 5 \times (555 - 5 \times 5 \times 5) \\
&:= (6 - 66)/6 + 6 \times 6 \times (66 - 6) \\
&:= 7/7 + (77 \times (7+7+7+7) - 7) \\
&:= (8/8 + 8 + 8 + 8) \times (88 - ((8+8)/8)) \\
&:= (9/9 + 9) \times (((9+9) \times (99+9) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2151 &:= 1 + (1 + (1 + (111 + ((1+1)^{11} - 11)))) \\
&:= (2/2 + 2)^2 \times ((22^2 - 2)/2 - 2) \\
&:= 3 \times (3^{3+3} - (3 \times 3 + 3)) \\
&:= 4 \times (4^4 + 4) + 4444/4 \\
&:= ((5 - 5^5)/5) + 5 \times 555 \\
&:= (((6 \times 6/(6+6))^{6/6+6}) - 6 \times 6) \\
&:= (7+7)/7 + (77 \times (7+7+7+7) - 7) \\
&:= (8/8 + 8) \times (888/8 + 8 \times (8+8)) \\
&:= ((9+9) \times (999/9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2152 &:= 1 + (1 + (1 + (1 + (111 + ((1+1)^{11} - 11)))))) \\
&:= (2+2+2)^2 + (2 \times 22 + 2)^2 \\
&:= 3/3 + (3 \times (3^{3+3} - (3 \times 3 + 3))) \\
&:= 44 + (44 \times (44 + 4) - 4) \\
&:= 5 \times 555 + (((5 - 5^5) + 5)/5) \\
&:= 6 \times 6 \times (66 - 6) - ((6+6)/6 + 6) \\
&:= 7 + (((7+7+7)/7)^7 - 7 \times 7) + 7 \\
&:= 8 + (((8 \times (8+8) \times (8+8)) + 88) + 8) \\
&:= 9/9 + (((9+9) \times (999/9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2153 &:= 111 + ((1+1)^{11} - ((1+1) \times (1+1+1))) \\
&:= ((22/2 + 2)^{2/2+2}) - (2 \times 22) \\
&:= 3 \times 3^{3+3} - 3/3 - 33 \\
&:= 4 + (((4 - 4/4) + 4)^4) - 4^4 + 4 \\
&:= 5 + (5 \times 555 - (5^5 + 5 + 5)/5) \\
&:= 6 \times 6 \times (66 - 6) - 6/6 - 6 \\
&:= 7 + (((7+7)/7)^{77/7}) + 7 \times (7+7) \\
&:= 8 + (((8 \times (8+8) \times (8+8)) + 88) + 8/8) + 8 \\
&:= (9+9)/9 + (((9+9) \times (999/9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2154 &:= (11 \times (1+1+1+11)^{1+1}) - 1 - 1 \\
&:= 222 + (2 \times (2 \times 22^2 - 2)) \\
&:= 3 \times 3^{3+3} - 33 \\
&:= 44 + (44 \times (44 + 4) - (4+4)/4) \\
&:= 5 + (5 \times 555 - (5^5 + 5)/5) \\
&:= 6 \times 6 \times (66 - 6) - 6 \\
&:= ((7+7)/7) \times (77 \times (7+7) - 7/7) \\
&:= 8 \times 8 + ((88/8 + 8) \times (888 - 8)/8) \\
&:= ((9+9+9)/9) \times (9 \times 9 \times 9 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2155 &:= (11 \times (1+1+1+11)^{1+1}) - 1 \\
&:= ((22 \times ((2^{2+2} - 2)^2) - 2)/2) \\
&:= 3/3 + (3 \times 3^{3+3} - 33) \\
&:= 44 + (44 \times (44 + 4) - 4/4) \\
&:= 5 + 5 \times (555 - 5 \times 5 \times 5) \\
&:= 6/6 + (6 \times 6 \times (66 - 6) - 6) \\
&:= 77 \times (7+7+7+7) - 7/7 \\
&:= 8 + (((8 \times (8+8) \times (8+8)) + (88/8)) + 88) \\
&:= 9 + (((9+9)/9)^{99/9}) - 9/9 + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2156 &:= 11 \times (1+1+1+11)^{1+1} \\
&:= 22 \times (2 \times 2 \times (22 + 2) + 2) \\
&:= 3 + (3 \times 3^{3+3} - (3/3 + 33)) \\
&:= 44 + 44 \times (44 + 4) \\
&:= 55 + (5^5 - (5 - 5/5)^5) \\
&:= (6+6)/6 + (6 \times 6 \times (66 - 6) - 6) \\
&:= 77 \times ((7+7+7) + 7) \\
&:= (8 - 8/8) \times ((88 \times (8 \times 8 - 8))/(8+8)) \\
&:= 9 + (((9+9)/9)^{99/9}) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2157 &:= 111 + (1+1)^{11} - (1+1) \\
&:= 222 + ((2 \times 22)^2 - 2/2) \\
&:= 3 + (3 \times 3^{3+3} - 33) \\
&:= 44 + (44 \times (44 + 4) + 4/4) \\
&:= 5 + (((5 - 5^5) + 5)/5) + 5 \times 555 \\
&:= 6 \times 6 \times (66 - 6) - 6 \times 6/(6+6) \\
&:= 7/7 + 77 \times (7+7+7+7) \\
&:= ((8+8) \times (8 \times (8+8) + 8)) - (88/8 + 8) \\
&:= ((9+9+9)/9) \times (9 \times 9 \times 9 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2158 &:= 111 + (1+1)^{11} - 1 \\
&:= 222 + (2 \times 22)^2 \\
&:= 3 + ((3 \times 3^{3+3} - 33) + 3/3) \\
&:= 4^4 \times (4+4) + (444-4)/4 \\
&:= (5+5)/5 \times ((5-5/5)^5 + 55) \\
&:= 6 \times 6 \times (66-6) - (6+6)/6 \\
&:= (7+7)/7 + 77 \times (7+7+7+7) \\
&:= (888-8)/8 + (8 \times (8+8) \times (8+8)) \\
&:= ((9+9)/9) \times ((999-9/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2159 &:= 111 + (1+1)^{11} \\
&:= 222/2 + 2^{22/2} \\
&:= 3 \times 3^{3+3} - (3^3 + 3/3) \\
&:= 444/4 + 4^4 \times (4+4) \\
&:= 5 + ((5 \times 555 - (5^5 + 5)/5) + 5) \\
&:= 6 \times 6 \times (66-6) - 6/6 \\
&:= 7 \times 7 + (((7+7+7)/7)^7 - 77) \\
&:= 888/8 + (8 \times (8+8) \times (8+8)) \\
&:= ((9+9) \times (999/9+9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2160 &:= 1 + (111 + (1+1)^{11}) \\
&:= 2 + ((2 \times 22)^2 + 222) \\
&:= 3 \times (3^{3+3} - 3 \times 3) \\
&:= ((4+4)^4) - 44 \times 44 \\
&:= (55+5) \times (55/5 + 5 \times 5) \\
&:= 6 \times 6 \times (66-6) \\
&:= (77/7 - 7) \times (7 \times 77 + 7/7) \\
&:= (8+8) \times ((8 \times (8+8) - 8/8) + 8) \\
&:= (9+9) \times (999/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2161 &:= 1 + (1 + (111 + (1+1)^{11})) \\
&:= 2 + (222/2 + 2^{22/2}) \\
&:= 3/3 + (3 \times (3^{3+3} - 3 \times 3)) \\
&:= 4 \times 4 + (((4-4/4) + 4)^4) - 4^4 \\
&:= 5 + ((55 - (5-5/5)^5) + 5^5) \\
&:= 6/6 + 6 \times 6 \times (66-6) \\
&:= 7 + (((7+7)/7) \times (77 \times (7+7) - 7/7)) \\
&:= 8/8 + ((8+8) \times ((8 \times (8+8) - 8/8) + 8)) \\
&:= 9/9 + ((9+9) \times (999/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2162 &:= 1 + (1 + (1 + (111 + (1+1)^{11}))) \\
&:= 2 + (((2 \times 22)^2 + 222) + 2) \\
&:= 3 + (3 \times 3^{3+3} - (3^3 + 3/3)) \\
&:= 4 + ((444-4)/4 + 4^4 \times (4+4)) \\
&:= 5 \times 555 + (((55-5^5) + 5)/5) \\
&:= (6+6)/6 + 6 \times 6 \times (66-6) \\
&:= 7 + (77 \times (7+7+7+7) - 7/7) \\
&:= (8+8)/8 + ((8+8) \times ((8 \times (8+8) - 8/8) + 8)) \\
&:= (9+9)/9 + ((9+9) \times (999/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2163 &:= 1 + (1 + (1 + (1 + (111 + (1+1)^{11})))) \\
&:= 2 + ((222/2 + 2^{22/2}) + 2) \\
&:= 3 + (3 \times (3^{3+3} - 3 \times 3)) \\
&:= 4 + (444/4 + 4^4 \times (4+4)) \\
&:= 5 + ((5+5)/5 \times ((5-5/5)^5 + 55)) \\
&:= (6 \times 6)/(6+6) + 6 \times 6 \times (66-6) \\
&:= 7 + 77 \times (7+7+7+7) \\
&:= ((88/8-8)^{8-8/8}) - 8 - 8 - 8 \\
&:= ((9+9+9)/9) \times ((9 \times 9 \times 9 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2164 &:= 1 + (1 + (1 + (1 + (1 + (111 + (1+1)^{11})))))) \\
&:= (22-2)^2 + (2 \times 22-2)^2 \\
&:= (((3 \times 3 + 3/3) + 3)^3) - 33 \\
&:= 4 + (((4+4)^4) - 44 \times 44) \\
&:= 5^5 - (((5 \times 5 + 5/5) + 5)^{(5+5)/5}) \\
&:= 6 + (6 \times 6 \times (66-6) - ((6+6)/6)) \\
&:= 7 + (77 \times (7+7+7+7) + 7/7) \\
&:= ((8+8) \times (8 \times (8+8) + 8)) - (88+8)/8 \\
&:= 9999/9 + (9 \times (99+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2165 &:= 111 + ((1+1)^{11} + ((1+1) \times (1+1+1))) \\
&:= 22^2 + ((2 \times (22-2) + 2/2)^2) \\
&:= 33/3 + (3 \times 3^{3+3} - 33) \\
&:= (4/4 + 4) \times (444 - 44/4) \\
&:= ((5-5/5) \times 555) - 55 \\
&:= 6 + (6 \times 6 \times (66-6) - 6/6) \\
&:= 7 + (77 \times (7+7+7+7) + ((7+7)/7)) \\
&:= ((8+8) \times (8 \times (8+8) + 8)) - 88/8 \\
&:= 9 + (((9+9)/9)^{99/9} + 99) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2166 &:= 11^{1+1} + ((1+1)^{11} - (1+1+1)) \\
&:= 222 + (2 \times (2 \times (22^2 + 2))) \\
&:= (3 \times (3^{3+3} - (3+3))) - 3 \\
&:= (4-44)/4 + (4+4) \times (4 \times 4 + 4^4) \\
&:= 5 + (((55 - (5-5/5)^5) + 5^5) + 5) \\
&:= 6 + 6 \times 6 \times (66-6) \\
&:= ((7+7+7)/7)^7 - (7+7+7) \\
&:= (8-88)/8 + ((8+8) \times (8 \times (8+8) + 8)) \\
&:= 9 \times 9 \times (9+9+9) - (((99+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2167 &:= 11 \times (1 + (1 + 1 + 1 + 11))^{1+1} \\
&:= (22/2)^2 + 2^{22/2} - 2 \\
&:= (3 \times (3^{3+3} - 3)) - 33/3 \\
&:= 4 + ((444/4 + 4^4 \times (4+4)) + 4) \\
&:= ((5+5)/5 \times 5555/5) - 55 \\
&:= 6 + (6 \times 6 \times (66-6) + 6/6) \\
&:= 77/7 + 77 \times (7+7+7+7) \\
&:= ((8+8) \times (8 \times (8+8) + 8)) - (8/8+8) \\
&:= 99/9 \times ((99-9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2168 &:= 11^{1+1} + ((1+1)^{11} - 1) \\
&:= 2 + ((2 \times (2 \times (22^2 + 2))) + 222) \\
&:= (3 \times (3^{3+3} - (3+3))) - 3/3 \\
&:= (4+4) \times ((44/4 + 4^4) + 4) \\
&:= 5 \times 5 \times 5 + (((5+5)/5)^{55/5} - 5) \\
&:= 6 + (6 \times 6 \times (66-6) + ((6+6)/6)) \\
&:= ((7+7)/7) \times ((77 \times (7+7) - 7/7) + 7) \\
&:= ((8+8) \times (8 \times (8+8) + 8)) - 8 \\
&:= 9 \times 9 \times (9+9+9) - (9/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2169 &:= 11^{1+1} + (1+1)^{11} \\
&:= (22/2)^2 + 2^{22/2} \\
&:= 3 \times (3^{3+3} - (3+3)) \\
&:= 4 + ((4/4 + 4) \times (444 - 44/4)) \\
&:= 5 \times 555 - ((55 \times 55 + 5)/5) \\
&:= ((66 \times 66 - 6)/(6+6)/6) - 6 \\
&:= 777/7 + 7 \times 7 \times (7 \times 7 - 7) \\
&:= 8/8 + (((8+8) \times (8 \times (8+8) + 8)) - 8) \\
&:= 9 \times 9 \times (9+9+9) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2170 &:= 1 + (11^{1+1} + (1+1)^{11}) \\
&:= 2 \times ((22/2 + 22)^2 - (2+2)) \\
&:= 3/3 + (3 \times (3^{3+3} - (3+3))) \\
&:= (4/4 + 4) \times ((4-44)/4 + 444) \\
&:= 5 + (((5-5/5) \times 555) - 55) \\
&:= ((66-6)/6) + 6 \times 6 \times (66-6) \\
&:= 7 + (77 \times (7+7+7+7) + 7) \\
&:= (8+8)/8 + (((8+8) \times (8 \times (8+8) + 8)) - 8) \\
&:= 9/9 + (9 \times 9 \times (9+9+9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2171 &:= 1 + (1 + (11^{1+1} + (1+1)^{11})) \\
&:= 2 + ((22/2)^2 + 2^{22/2}) \\
&:= 3 + ((3 \times (3^{3+3} - (3+3))) - 3/3) \\
&:= (4+4) \times (4 \times 4 + 4^4) - (4/4 + 4) \\
&:= ((5-5^5)/5) + ((5 \times (555+5)) - 5) \\
&:= 66/6 + 6 \times 6 \times (66-6) \\
&:= 7 + ((77 \times (7+7+7+7) + 7/7) + 7) \\
&:= ((88/8-8)^{8-8/8}) - 8 - 8 \\
&:= (9+9)/9 + (9 \times 9 \times (9+9+9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2172 &:= 1 + (1 + (1 + (11^{1+1} + (1+1)^{11}))) \\
&:= 2222 - ((2 \times (22+2)) + 2) \\
&:= 3 + (3 \times (3^{3+3} - (3+3))) \\
&:= (4+4) \times (4 \times 4 + 4^4) - 4 \\
&:= (5+5)/5 \times (5555/5 - 5 \times 5) \\
&:= 6 + (6 \times 6 \times (66-6) + 6) \\
&:= ((7+7+7)/7)^7 - (7/7+7+7) \\
&:= ((8+8) \times (8 \times (8+8) + 8)) - (8/((8+8)/8)) \\
&:= ((99+9)/9) \times ((9/9+99) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2173 &:= 1 + (1 + (1 + (1 + (11^{1+1} + (1 + 1)^{11}))) \\
&:= 2 + (((22/2)^2 + 2^{22/2}) + 2) \\
&:= 3 \times 3^{3+3} - (33/3 + 3) \\
&:= 4/4 + ((4 + 4) \times (4 \times 4 + 4^4) - 4) \\
&:= 5 \times 5 \times 5 + (((5 + 5)/5)^{55/5}) \\
&:= 6 + ((6 \times 6 \times (66 - 6) + 6/6) + 6) \\
&:= ((7 + 7 + 7)/7)^7 - (7 + 7) \\
&:= 8 + (((8 + 8) \times (8 \times (8 + 8) + 8)) - (88/8)) \\
&:= 9 + (9999/9 + (9 \times (99 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2174 &:= (1 + 1) \times (1111 - ((1 + 1) \times (1 + 11))) \\
&:= 2 \times ((22/2 + 22)^2 - 2) \\
&:= (3 \times (3^{3+3} - 3)) - (3/3 + 3) \\
&:= (((4 + 4)^4) - 4) + 4^4 / ((4 + 4)/4) \\
&:= (5 \times (555 + 5)) - (5^5 + 5)/5 \\
&:= 6 + ((6 \times 6 \times (66 - 6) + ((6 + 6)/6)) + 6) \\
&:= 7/7 + (((7 + 7 + 7)/7)^7 - (7 + 7)) \\
&:= ((8 + 8) \times (8 \times (8 + 8) + 8)) - (8 + 8)/8 \\
&:= ((9 + 9)/9) \times (((99 \times 99) - (9 + 9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2175 &:= ((1 + 1 + 11)^{1+1+1}) - 11 - 11 \\
&:= ((22/2 + 2)^{2/2+2}) - 22 \\
&:= (3 \times (3^{3+3} - 3)) - 3 \\
&:= (4 + 4) \times (4 \times 4 + 4^4) - 4/4 \\
&:= 5 \times ((555 - 5 \times 5 \times 5) + 5) \\
&:= (66 \times 66 - 6) / ((6 + 6)/6) \\
&:= ((7 + 7 + 7)/7)^7 - (77 + 7)/7 \\
&:= ((8 + 8) \times (8 \times (8 + 8) + 8)) - 8/8 \\
&:= 9 \times 9 \times (9 + 9 + 9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2176 &:= (1 + 1) \times ((11 \times (1 + 1 + 1))^{1+1} - 1) \\
&:= 2222 - ((2 \times 22) + 2) \\
&:= 3 \times 3^{3+3} - 33/3 \\
&:= (4 + 4) \times (4 \times 4 + 4^4) \\
&:= (5 - 5/5) \times (555 - (55/5)) \\
&:= ((6 + 6)/6)^6 \times (6 \times 6 - ((6 + 6)/6)) \\
&:= ((7 + 7 + 7)/7)^7 - 77/7 \\
&:= (8 + 8) \times (8 \times (8 + 8) + 8) \\
&:= 9 \times 9 \times (9 + 9 + 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2177 &:= ((1 + 1) \times (11 \times (1 + 1 + 1))^{1+1}) - 1 \\
&:= (((2^2+2+2) + 2)^2) - 2)/2 \\
&:= (3 \times (3^{3+3} - 3)) - 3/3 \\
&:= 4/4 + (4 + 4) \times (4 \times 4 + 4^4) \\
&:= (((5 - 5^5) + 5)/5) + (5 \times (555 + 5)) \\
&:= 6 + (6 \times 6 \times (66 - 6) + (66/6)) \\
&:= 7 + ((77 \times (7 + 7 + 7 + 7) + 7) + 7) \\
&:= 8/8 + ((8 + 8) \times (8 \times (8 + 8) + 8)) \\
&:= 9 \times 9 \times (9 + 9 + 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2178 &:= (1 + 1) \times (11 \times (1 + 1 + 1))^{1+1} \\
&:= 2 \times (22/2 + 22)^2 \\
&:= 3 \times (3^{3+3} - 3) \\
&:= (4 + 4)/4 + (4 + 4) \times (4 \times 4 + 4^4) \\
&:= 5 + (((5 + 5)/5)^{55/5}) + 5 \times 5 \times 5 \\
&:= 6 \times 66 \times 66 / (6 + 6) \\
&:= (77/7 + 7) \times (((7 + 7)/7)^7 - 7) \\
&:= (8 + 8)/8 + ((8 + 8) \times (8 \times (8 + 8) + 8)) \\
&:= 9 \times 9 \times (9 + 9 + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2179 &:= 1 + ((1 + 1) \times (11 \times (1 + 1 + 1))^{1+1}) \\
&:= (((2^2+2+2) + 2)^2) + 2)/2 \\
&:= 3/3 + (3 \times (3^{3+3} - 3)) \\
&:= 4 + ((4 + 4) \times (4 \times 4 + 4^4) - 4/4) \\
&:= 5 + ((5 \times (555 + 5)) - (5^5 + 5)/5) \\
&:= 6/6 + (6 \times 66 \times 66 / (6 + 6)) \\
&:= ((7 + 7 + 7)/7)^7 - (7/7 + 7) \\
&:= ((88/8 - 8)^{8-8/8}) - 8 \\
&:= 9/9 + (9 \times 9 \times (9 + 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2180 &:= (1 + 1)^{11} + (11 \times (1 + 11)) \\
&:= 2 + (2 \times (22/2 + 22)^2) \\
&:= 3 + ((3 \times (3^{3+3} - 3)) - 3/3) \\
&:= 4 + (4 + 4) \times (4 \times 4 + 4^4) \\
&:= (5 - 5/5) \times (555 - 5 - 5) \\
&:= 66 + (((6 + 6)/6)^{66/6}) + 66 \\
&:= ((7 + 7 + 7)/7)^7 - 7 \\
&:= 8/8 + (((88/8 - 8)^{8-8/8}) - 8) \\
&:= (9 + 9)/9 + (9 \times 9 \times (9 + 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2181 &:= 1 + ((1 + 1)^{11} + (11 \times (1 + 11))) \\
&:= 2 + (((2^2+2+2) + 2)^2) + 2)/2 \\
&:= 3 + (3 \times (3^{3+3} - 3)) \\
&:= 4 + ((4 + 4) \times (4 \times 4 + 4^4) + 4/4) \\
&:= 5 + ((5 \times (555 + 5)) + ((5 - 5^5)/5)) \\
&:= (66 \times 66 + 6) / ((6 + 6)/6) \\
&:= 7/7 + (((7 + 7 + 7)/7)^7 - 7) \\
&:= (88/8 \times (888/8 + 88)) - 8 \\
&:= ((9 + 9 + 9)/9) + (9 \times 9 \times (9 + 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2182 &:= 1 + (1 + ((1 + 1)^{11} + (11 \times (1 + 11)))) \\
&:= 2 \times ((22/2 + 22)^2 + 2) \\
&:= 3 + ((3 \times (3^{3+3} - 3)) + 3/3) \\
&:= 4 + ((4 + 4) \times (4 \times 4 + 4^4) + (4 + 4)/4) \\
&:= ((5 - (5 + 5)/5)^{(5+5)/5+5}) - 5 \\
&:= 6 + (((6 + 6)/6)^6 \times (6 \times 6 - ((6 + 6)/6))) \\
&:= (7 + 7)/7 + (((7 + 7 + 7)/7)^7 - 7) \\
&:= 8 + (((8 + 8) \times (8 \times (8 + 8) + 8)) - ((8 + 8)/8)) \\
&:= ((9 + 9)/9) \times (((99 \times 99) + 9) + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2183 &:= 1 + (1 + (1 + ((1 + 1)^{11} + (11 \times (1 + 11)))) \\
&:= ((2 \times (22 + 2))^2) - (22/2)^2 \\
&:= 3 \times 3^{3+3} - (3/3 + 3) \\
&:= ((4 - 4/4)^{4+4-4/4}) - 4 \\
&:= (((5 + 5)/5)^5 + 5) \times (55 - 5/5 + 5) \\
&:= (6 \times 6 + 6/6) \times (66 - (6/6 + 6)) \\
&:= 7 + (((7 + 7 + 7)/7)^7 - (77/7)) \\
&:= 8 + (((8 + 8) \times (8 \times (8 + 8) + 8)) - 8/8) \\
&:= ((9 - 9 \times 9)/(9 + 9)) + 9 \times 9 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2184 &:= (1 + 1 + 1) \times ((11 - 1 - 1)^{1+1+1} - 1) \\
&:= 2 + (2222 + (2 \times (2 - 22))) \\
&:= 3 \times 3^{3+3} - 3 \\
&:= 4 + ((4 + 4) \times (4 \times 4 + 4^4) + 4) \\
&:= ((5 + 5)/5 + 5) \times (5^5 - 5) / (5 + 5) \\
&:= 6 + (6 \times 66 \times 66 / (6 + 6)) \\
&:= 77 + 7 \times (7 \times (7 \times 7 - 7) + 7) \\
&:= 8 + ((8 + 8) \times (8 \times (8 + 8) + 8)) \\
&:= ((9 + 9 + 9)/9) \times (9 \times 9 \times 9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2185 &:= ((1 + 1 + 11)^{1+1+1}) - 1 - 11 \\
&:= ((2/2 + 2)^{2/2+2+2+2}) - 2 \\
&:= 3/3 + (3 \times 3^{3+3} - 3) \\
&:= 4 + (((4 + 4) \times (4 \times 4 + 4^4) + 4/4) + 4) \\
&:= 5 + ((5 - 5/5) \times (555 - 5 - 5)) \\
&:= 6 \times (6 \times (66 - 6) + 6) - 66/6 \\
&:= ((7 + 7 + 7)/7)^7 - (7 + 7)/7 \\
&:= 8 + (((8 + 8) \times (8 \times (8 + 8) + 8)) + 8/8) \\
&:= 9 \times 9 \times (9 + 9 + 9) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2186 &:= ((1 + 1 + 11)^{1+1+1}) - 11 \\
&:= 2222 - (2 + 2 + 2)^2 \\
&:= 3 \times 3^{3+3} - 3/3 \\
&:= ((4 - 4/4)^{4+4-4/4}) - 4/4 \\
&:= (5^5 + 5)/5 + (5 \times (5^5 - 5)) / (5 + 5) \\
&:= ((6 \times 6 / (6 + 6))^{6/6+6}) - 6/6 \\
&:= ((7 + 7 + 7)/7)^7 - 7/7 \\
&:= ((88/8 - 8)^{8-8/8}) - 8/8 \\
&:= 9 \times 9 \times (9 + 9 + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2187 &:= (1 + 1 + 1)^{1+(1+1) \times (1+1+1)} \\
&:= (2/2 + 2)^{2/2+2+2+2} \\
&:= 3 \times 3^{3+3} \\
&:= (4 - 4/4)^{4+4-4/4} \\
&:= (5 - (5 + 5)/5)^{(5+5)/5+5} \\
&:= (6 \times 6 / (6 + 6))^{6+6/6} \\
&:= ((7 + 7 + 7)/7)^7 \\
&:= (88/8 - 8)^{8-8/8} \\
&:= 9 \times 9 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2188 &:= 1 + ((1 + 1 + 1)^{1+(1+1)\times(1+1+1)}) \\
&:= 2 + (2222 - (2 + 2 + 2)^2) \\
&:= 3/3 + 3 \times 3^{3+3} \\
&:= 4^4 + (44 \times 44 - 4) \\
&:= 5^5 + (((5 - 5^5)/(5 + 5)) - 5^5/5) \\
&:= 6/6 + ((6 \times 6/(6 + 6))^{6/6+6}) \\
&:= 7/7 + (((7 + 7 + 7)/7)^7 - 7/7) \\
&:= 8/8 + (((88/8 - 8)^{8-8/8}) \\
&:= 9/9 + 9 \times 9 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2189 &:= 11 \times (((1 + 1) \times (11 - 1)^{1+1}) - 1) \\
&:= 2 + ((2/2 + 2)^{2/2+2+2+2}) \\
&:= 3 + (3 \times 3^{3+3} - 3/3) \\
&:= 44 + (((4 - 4/4) + 4)^4) - 4^4 \\
&:= 5 + (((5 + 5)/5 + 5) \times (5^5 - 5)/(5 + 5)) \\
&:= 6 \times 6 \times (66 - 6 + 6) - 6/6 - 6 \\
&:= (7 + 7)/7 + (((7 + 7 + 7)/7)^7 \\
&:= 88/8 \times (888/8 + 88) \\
&:= (9 + 9)/9 + 9 \times 9 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2190 &:= (11 - 1) \times (((1 + 1) \times (111 - 1)) - 1) \\
&:= 2222 - (2 \times 2^{2+2}) \\
&:= 3 + 3 \times 3^{3+3} \\
&:= 4^4 + (44 \times 44 - (4 + 4)/4) \\
&:= 5 \times ((5^5 + 5)/(5 + 5) + 5 \times 5 \times 5) \\
&:= 6 \times (6 \times (66 - 6) + 6) - 6 \\
&:= (7 + 7 + 7)/7 + (((7 + 7 + 7)/7)^7 \\
&:= ((8 + 8)/8) \times (8888/8 - (8 + 8)) \\
&:= ((9 + 9 + 9)/9) + 9 \times 9 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2191 &:= (1 + 1)^{11} + (11 \times (1 + 1 + 11)) \\
&:= 2 + (((2/2 + 2)^{2/2+2+2+2}) + 2) \\
&:= 3 + (3 \times 3^{3+3} + 3/3) \\
&:= 4 + ((4 - 4/4)^{4+4-4/4}) \\
&:= ((5 + 5)/5 + 5) \times (5^5 + 5)/(5 + 5) \\
&:= 6 \times (6 \times (66 - 6) + 6) - 6 + 6/6 \\
&:= 7 + (7 \times (7 \times (7 \times 7 - 7) + 7) + 77) \\
&:= 8 + (((8 + 8) \times (8 \times (8 + 8) + 8)) - 8/8) + 8 \\
&:= 9 \times 9 + (9999/9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2192 &:= (1 + 1)^{11} + (1 + 11)^{1+1} \\
&:= (2 \times 22)^2 + 2^{2 \times (2+2)} \\
&:= 3 + ((3 \times 3^{3+3} - 3/3) + 3) \\
&:= 4^4 + 44 \times 44 \\
&:= 5 + ((5 - (5 + 5)/5)^{(5+5)/5+5}) \\
&:= 6 + (((6 \times 6/(6 + 6))^{6/6+6}) - 6/6) \\
&:= 7 + (((7 + 7 + 7)/7)^7 - ((7 + 7)/7)) \\
&:= 8 + (((8 + 8) \times (8 \times (8 + 8) + 8)) + 8) \\
&:= 9 \times 9 \times (9 + 9 + 9) + ((9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2193 &:= 1 + ((1 + 1)^{11} + (1 + 11)^{1+1}) \\
&:= ((2 \times (22 + 2))^2) - 222/2 \\
&:= 3 + (3 \times 3^{3+3} + 3) \\
&:= 4/4 + (44 \times 44 + 4^4) \\
&:= 5 + (((5 - 5^5)/(5 + 5)) - 5^5/5) + 5^5 \\
&:= 6 + ((6 \times 6/(6 + 6))^{6/6+6}) \\
&:= 7 + (((7 + 7 + 7)/7)^7 - 7/7) \\
&:= (8/8 + 8 + 8) \times (8 \times (8 + 8) + 8/8) \\
&:= 9 + (((9 + 9 + 9)/9) \times (9 \times 9 \times 9 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2194 &:= ((1 + 1 + 11)^{1+1+1}) - 1 - 1 - 1 \\
&:= 2 + ((2 \times 22)^2 + 2^{2 \times (2+2)}) \\
&:= (((3 \times 3 + 3/3) + 3)^3) - 3 \\
&:= 4^4 + (44 \times 44 + (4 + 4)/4) \\
&:= (5 \times (5 + 5) \times 55) - (555 + 5/5) \\
&:= 6 \times (6 \times (66 - 6) + 6) - (6 + 6)/6 \\
&:= 7 + (((7 + 7 + 7)/7)^7 \\
&:= 8 + (((88/8 - 8)^{8-8/8}) - 8/8) \\
&:= 9 + (9 \times 9 \times (9 + 9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2195 &:= ((1 + 1 + 11)^{1+1+1}) - 1 - 1 \\
&:= ((22/2 + 2)^{2/2+2}) - 2 \\
&:= (3 \times (3^{3+3} + 3)) - 3/3 \\
&:= 4 + (((4 - 4/4)^{4+4-4/4}) + 4) \\
&:= (5 \times (5 + 5) \times 55) - 555 \\
&:= 6 \times (6 \times (66 - 6) + 6) - 6/6 \\
&:= 7 + (((7 + 7 + 7)/7)^7 + 7/7) \\
&:= 8 + ((88/8 - 8)^{8-8/8}) \\
&:= 9 + (9 \times 9 \times (9 + 9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2196 &:= ((1 + 1 + 11)^{1+1+1}) - 1 \\
&:= 2222 - 22 - 2 - 2 \\
&:= 3 \times (3^{3+3} + 3) \\
&:= 4 + (44 \times 44 + 4^4) \\
&:= (5 - 5/5) \times (555 - (5/5 + 5)) \\
&:= 6 \times (6 \times (66 - 6) + 6) \\
&:= 7 + (((7 + 7 + 7)/7)^7 + ((7 + 7)/7)) \\
&:= 8 + (((88/8 - 8)^{8-8/8}) + 8/8) \\
&:= 9 + 9 \times 9 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2197 &:= (1 + 1 + 11)^{1+1+1} \\
&:= (22/2 + 2)^{2/2+2} \\
&:= ((3 \times 3 + 3/3) + 3)^3 \\
&:= ((4/4 + 4 + 4) + 4)^{4-4/4} \\
&:= ((55 + 5 + 5)/5)^{5-(5+5)/5} \\
&:= 6 \times (6 \times (66 - 6) + 6) + 6/6 \\
&:= (7 - 7/7 + 7)^{(7+7+7)/7} \\
&:= ((88 + 8 + 8)/8)^{88/8-8} \\
&:= 9 + (9 \times 9 \times (9 + 9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2198 &:= 1 + ((1 + 1 + 11)^{1+1+1}) \\
&:= 2222 - (22 + 2) \\
&:= 33/3 + 3 \times 3^{3+3} \\
&:= 4 + ((44 \times 44 + (4 + 4)/4) + 4^4) \\
&:= (5 + 5)/5 \times (55 \times (5 \times 5 - 5) - 5/5) \\
&:= 6 \times (6 \times (66 - 6) + 6) + (6 + 6)/6 \\
&:= 77/7 + (((7 + 7 + 7)/7)^7 \\
&:= 88 + ((88 \times (8 + 8 + 8)) - ((8 + 8)/8)) \\
&:= 99/9 + 9 \times 9 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2199 &:= 1 + (1 + ((1 + 1 + 11)^{1+1+1})) \\
&:= 2 + ((22/2 + 2)^{2/2+2}) \\
&:= 3 + (3 \times (3^{3+3} + 3)) \\
&:= ((4/4 + 4) \times (444 - 4)) - 4/4 \\
&:= ((5 + 5) \times (55 \times (5 - 5/5))) - 5/5 \\
&:= 6 + (((6 \times 6/(6 + 6))^{6/6+6}) + 6) \\
&:= (77 + 7)/7 + (((7 + 7 + 7)/7)^7 \\
&:= 88 + ((88 \times (8 + 8 + 8)) - 8/8) \\
&:= ((99 + 9)/9) + 9 \times 9 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2200 &:= (1 + 1) \times (1111 - 11) \\
&:= 2222 - 22 \\
&:= 3 + (((3 \times 3 + 3/3) + 3)^3) \\
&:= (4/4 + 4) \times (444 - 4) \\
&:= (5 + 5) \times (55 \times (5 - 5/5)) \\
&:= 6 + 6 \times (6 \times (66 - 6) + 6) - (6 + 6)/6 \\
&:= 7 + (((7 + 7 + 7)/7)^7 - 7/7) + 7 \\
&:= 88 + (88 \times (8 + 8 + 8)) \\
&:= (99/9 + 9) \times (99/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2201 &:= 1 + ((1 + 1) \times (1111 - 11)) \\
&:= 2/2 + (2222 - 22) \\
&:= 3 + (3 \times 3^{3+3} + 33/3) \\
&:= 4 + (((4/4 + 4 + 4) + 4)^{4-4/4}) \\
&:= 5/5 + ((5 + 5) \times (55 \times (5 - 5/5))) \\
&:= 6 + 6 \times (6 \times (66 - 6) + 6) - 6/6 \\
&:= 7 + (((7 + 7 + 7)/7)^7 + 7) \\
&:= 8/8 + ((88 \times (8 + 8 + 8)) + 88) \\
&:= 9 \times (9 + 9) + (((9 + 9)/9)^{99/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2202 &:= (1 + 1) \times (1 + (1111 - 11)) \\
&:= 2 + (2222 - 22) \\
&:= 3 + ((3 \times (3^{3+3} + 3)) + 3) \\
&:= 4^4 + (44 \times 44 + (44 - 4)/4) \\
&:= 5 + ((55 + 5 + 5)/5)^{5-(5+5)/5} \\
&:= 6 + 6 \times (6 \times (66 - 6) + 6) \\
&:= 7 + (((7 + 7 + 7)/7)^7 + 7/7) + 7 \\
&:= 88 + ((88 \times (8 + 8 + 8)) + ((8 + 8)/8)) \\
&:= ((9 + 9)/9) \times (((9999 - 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2203 &:= 1 + ((1 + 1) \times (1 + (1111 - 11))) \\
&:= 2 + ((2222 - 22) + 2/2) \\
&:= 3 + (((3 \times 3 + 3/3) + 3)^3) + 3 \\
&:= 4 \times 4 + ((4 - 4/4)^{4+4-4/4}) \\
&:= 5 + (((5 + 5)/5)^{55/5}) + 5 \times (5 \times 5 + 5) \\
&:= 6 + 6 \times (6 \times (66 - 6) + 6) + 6/6 \\
&:= 7 + (((7 + 7 + 7)/7)^7 + ((7 + 7)/7)) + 7 \\
&:= 8 + (((88/8 - 8)^{8-8/8}) + 8) \\
&:= 9 + ((9 \times 9 \times (9 + 9 + 9) - (9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2204 &:= (1 + 1) \times (1 + (1 + (1111 - 11))) \\
&:= 2 + ((2222 - 22) + 2) \\
&:= (3 \times ((3^{3+3} + 3) + 3)) - 3/3 \\
&:= 4 + ((4/4 + 4) \times (444 - 4)) \\
&:= (5 - 5/5) \times ((5 + 5) \times 55 + 5/5) \\
&:= 6 + (6 \times 6 \times (66 - 6 + 6) + ((6 + 6)/6)) \\
&:= 7 + ((7 - 7/7 + 7)^{(7+7+7)/7}) \\
&:= ((8 + 8)/8) \times ((8888 - 8)/8 - 8) \\
&:= 9 + ((9 \times 9 \times (9 + 9 + 9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2205 &:= 1 + ((1 + 1) \times (1 + (1 + (1111 - 11)))) \\
&:= (2/2 + 2 + 2) \times ((22 - 2/2)^2) \\
&:= 3 \times ((3^{3+3} + 3) + 3) \\
&:= (4/4 + 4) \times ((444 - 4) + 4/4) \\
&:= 5 + ((5 + 5) \times (55 \times (5 - 5/5))) \\
&:= 6 + (((6 \times 6/(6 + 6))^{6+6+6}) + 6) + 6 \\
&:= 7 \times (7 \times (7 \times 7 + 7) - 77) \\
&:= 8 + ((88 + 8 + 8)/8)^{88/8-8} \\
&:= 9 + (9 \times 9 \times (9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2206 &:= 11 + (((1 + 1 + 11)^{1+1+1}) - (1 + 1)) \\
&:= 2222 - 2^{2+2} \\
&:= 3 \times 3 + (((3 \times 3 + 3/3) + 3)^3) \\
&:= 4 \times 4444/(4 + 4) - 4 \times 4 \\
&:= 5 + (((5 + 5) \times (55 \times (5 - 5/5))) + 5/5) \\
&:= 6 \times (6 \times (66 - 6) + 6) + (66 - 6)/6 \\
&:= 7/7 + (7 \times (7 \times (7 \times 7 + 7) - 77)) \\
&:= ((8 + 8)/8) \times (8888/8 - 8) \\
&:= 9 + ((9 \times 9 \times (9 + 9 + 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2207 &:= 11 + (((1 + 1 + 11)^{1+1+1}) - 1) \\
&:= (((2 \times 22 + 2/2) + 2)^2) - 2 \\
&:= 33/3 + (3 \times (3^{3+3} + 3)) \\
&:= ((4 + 4) \times ((4 \times 4 + 4^4) + 4)) - 4/4 \\
&:= ((5 + 5)/5 \times (5555/5 - 5)) - 5 \\
&:= 6 \times (6 \times (66 - 6) + 6) + 66/6 \\
&:= 7 + (((7 + 7 + 7)/7)^7 - 7/7) + 7 + 7 \\
&:= 8 + (((88 \times (8 + 8 + 8)) - 8/8) + 88) \\
&:= 9 + (9 \times 9 \times (9 + 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2208 &:= 11 + ((1 + 1 + 11)^{1+1+1}) \\
&:= 2 + (2222 - 2^{2+2}) \\
&:= 3 + (3 \times ((3^{3+3} + 3) + 3)) \\
&:= (4 + 4) \times ((4 \times 4 + 4^4) + 4) \\
&:= (5 - 5/5) \times (((5 + 5)/5 - 5) + 555) \\
&:= 6 \times (6 \times (66 - 6) + 6) + 6 + 6 \\
&:= 7 + ((7 + 7 + 7)/7)^7 + 7 + 7 \\
&:= 8 + ((88 \times (8 + 8 + 8)) + 88) \\
&:= 9 + (9 \times 9 \times (9 + 9 + 9) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2209 &:= ((1 + 1) \times (1111 - 1)) - 11 \\
&:= ((2 \times 22 + 2/2) + 2)^2 \\
&:= 3 + ((3 \times ((3^{3+3} + 3) + 3)) + 3/3) \\
&:= (44 - 4/4 + 4)^{(4+4)/4} \\
&:= ((5 - 5/5) \times 555) - 55/5 \\
&:= (66/6 + 6 \times 6)^{(6+6)/6} \\
&:= (7 \times 7 - (7 + 7)/7)^{(7+7)/7} \\
&:= (8 \times 8 - (8/8 + 8 + 8))^{(8+8)/8} \\
&:= 9 + ((99/9 + 9) \times (99/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2210 &:= (11 - 1) \times ((1 + 1) \times 111 - 1) \\
&:= 2222 - (2 \times (2 + 2 + 2)) \\
&:= 3 + ((3 \times (3^{3+3} + 3)) + 33/3) \\
&:= (4/4 + 4) \times (444 - (4 + 4)/4) \\
&:= ((5 - 5/5) \times 555) - 5 - 5 \\
&:= ((6 + 6)/6) \times ((6666/6) - 6) \\
&:= 7/7 + (7 \times 7 - (7 + 7)/7)^{(7+7)/7} \\
&:= (8/8 + 8 + 8) \times (8 \times (8 + 8) + ((8 + 8)/8)) \\
&:= 9 \times (9 + 9) + (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2211 &:= ((1 + 1) \times 1111) - 11 \\
&:= 2222 - 22/2 \\
&:= 3^3 + (3 \times 3^{3+3} - 3) \\
&:= ((4/4 + 4) \times (444 - 4/4)) - 4 \\
&:= ((5 - 5/5) \times (555 - 5/5)) - 5 \\
&:= (66 + 6/6) \times (66 \times 6/(6 + 6)) \\
&:= 7 + (((7 - 7/7 + 7)^{(7+7+7)/7}) + 7) \\
&:= 8 + (((88/8 - 8)^{8-8/8}) + 8) + 8 \\
&:= ((99/9 + 9) \times 999/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2212 &:= 1 + (((1 + 1) \times 1111) - 11) \\
&:= ((2 - 22)/2) + 2222 \\
&:= 3^3 + ((3 \times 3^{3+3} - 3) + 3/3) \\
&:= 4 + ((4 + 4) \times ((4 \times 4 + 4^4) + 4)) \\
&:= (5 + 5)/5 \times (5555/5 - 5) \\
&:= ((6 + 6)/6) \times ((6666 + 6)/6 - 6) \\
&:= 7 + (7 \times (7 \times (7 \times 7 + 7) - 77)) \\
&:= (((8 + 8)/8) \times (8888 - 8)/8) - 8 \\
&:= ((9/9 + 9 + 9) + 9) \times (9 \times 9 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2213 &:= ((1 + 1) \times (1 + 1111)) - 11 \\
&:= 2 + (2222 - 22/2) \\
&:= 3^3 + (3 \times 3^{3+3} - 3/3) \\
&:= 4 + ((44 - 4/4 + 4)^{(4+4)/4}) \\
&:= ((5 - 5/5) \times 555) - ((5 + 5)/5 + 5) \\
&:= 6 + (6 \times 6 \times (66 - 6 + 6) + (66/6)) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 + 7) - 77)) + 7/7) \\
&:= ((88 + 8 + 8)/8)^{88/8-8} + 8 + 8 \\
&:= (9 + 9 + 9) \times (9/9 + 9 \times 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2214 &:= 1 + (((1 + 1) \times (1 + 1111)) - 11) \\
&:= 2222 - 2 \times (2 + 2) \\
&:= 3 \times (3^{3+3} + 3 \times 3) \\
&:= (4 + 4)/4 \times (4444/4 - 4) \\
&:= ((5 - 5/5) \times 555) - (5/5 + 5) \\
&:= 6 \times (66 \times 66/(6 + 6) + 6) \\
&:= 7 + (((7 + 7 + 7)/7)^7 - 7/7) + 7 + 7 + 7 \\
&:= (((8 + 8)/8) \times 8888/8) - 8 \\
&:= (9 + 9 + 9) \times (9/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2215 &:= ((1 + 1) \times (1 + (1 + 1111))) - 11 \\
&:= 2 + ((2222 - 22/2) + 2) \\
&:= 3^3 + (3 \times 3^{3+3} + 3/3) \\
&:= (4/4 + 4) \times (444 - 4/4) \\
&:= ((5 - 5/5) \times 555) - 5 \\
&:= 6 + ((66/6 + 6 \times 6)^{(6+6)/6}) \\
&:= 7 + (((7 + 7 + 7)/7)^7 + 7) + 7 + 7 \\
&:= 888/8 + ((88 \times (8 + 8 + 8)) - 8) \\
&:= 9/9 + (9 + 9 + 9) \times (9/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2216 &:= (1 + 1) \times (1111 - (1 + 1 + 1)) \\
&:= 2222 - (2 + 2 + 2) \\
&:= 3 + ((3 \times 3^{3+3} - 3/3) + 3^3) \\
&:= (4/4 + 4) \times 444 - 4 \\
&:= (5 - 5/5) \times (555 - 5/5) \\
&:= (((6 + 6)/6) \times (6666/6)) - 6 \\
&:= 7 + ((7 \times 7 - (7 + 7)/7)^{(7+7)/7}) \\
&:= ((88 + 8) \times (8 + 8 + 8)) - 88 \\
&:= 9 + ((9 \times 9 \times (9 + 9 + 9) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2217 &:= ((1 + 1) \times (1111 - (1 + 1))) - 1 \\
&:= 2222 - (2/2 + 2 + 2) \\
&:= 3 + (3 \times 3^{3+3} + 3^3) \\
&:= 4/4 + ((4/4 + 4) \times 444 - 4) \\
&:= ((5 + 5)/5 \times 5555/5) - 5 \\
&:= 6 + ((66 + 6/6) \times (66 \times 6/(6 + 6))) \\
&:= 7 \times (7 \times 7 \times 7 - 7) - (((7 + 7)/7)^7 + 7) \\
&:= 8 + ((8 \times 8 - (8/8 + 8 + 8))^{(8+8)/8}) \\
&:= 999/9 + (9 \times (9 \times (9 + 9 + 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2218 &:= (1+1) \times (1111 - (1+1)) \\
&:= 2222 - 2 - 2 \\
&:= 3 + ((3 \times 3^{3+3} + 3^3) + 3/3) \\
&:= 4 \times 4444 / (4+4) - 4 \\
&:= ((5-5/5) \times 555) - (5+5)/5 \\
&:= ((6+6)/6) \times ((6666 - (6+6))/6) \\
&:= (7+7)/7 \times (7777 - 7 - 7)/7 \\
&:= ((8+8)/8) \times ((8888 - (8+8))/8) \\
&:= ((9+9)/9) \times ((9999 - (9+9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2219 &:= ((1+1) \times (1111 - 1)) - 1 \\
&:= 2222 - 2/2 - 2 \\
&:= 33 + (3 \times 3^{3+3} - 3/3) \\
&:= (4/4 + 4) \times 444 - 4/4 \\
&:= ((5-5/5) \times 555) - 5/5 \\
&:= ((66-6) \times (6 \times 6 + 6/6)) - 6/6 \\
&:= 7 + ((7 \times (7 \times (7 \times 7 + 7) - 77)) + 7) \\
&:= 888 + ((88/8)^{88/8-8}) \\
&:= 9 + (((9+9)/9)^{99/9}) + 9 \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2220 &:= (1+1) \times (1111 - 1) \\
&:= 2222 - 2 \\
&:= 33 + 3 \times 3^{3+3} \\
&:= (4/4 + 4) \times 444 \\
&:= (5-5/5) \times 555 \\
&:= (66-6) \times (6 \times 6 + 6/6) \\
&:= ((7+7)/7) \times (7777 - 7)/7 \\
&:= ((8+8)/8) \times (8888 - 8)/8 \\
&:= (99/9 + 9) \times 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2221 &:= ((1+1) \times 1111) - 1 \\
&:= 2222 - 2/2 \\
&:= 3/3 + (3 \times 3^{3+3} + 33) \\
&:= 4/4 + (4/4 + 4) \times 444 \\
&:= 5/5 + ((5-5/5) \times 555) \\
&:= 6/6 + ((66-6) \times (6 \times 6 + 6/6)) \\
&:= (((7+7)/7) \times 7777/7) - 7/7 \\
&:= (((8+8)/8) \times 8888/8) - 8/8 \\
&:= 9/9 + ((99/9 + 9) \times 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2222 &:= (1+1) \times 1111 \\
&:= 2222 \\
&:= (3-3/3) \times 3333/3 \\
&:= 4 \times 4444 / (4+4) \\
&:= (5+5)/5 \times 5555/5 \\
&:= ((6+6)/6) \times (6666/6) \\
&:= ((7+7)/7) \times 7777/7 \\
&:= ((8+8)/8) \times 8888/8 \\
&:= ((9+9)/9) \times 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2223 &:= 1 + ((1+1) \times 1111) \\
&:= 2/2 + 2222 \\
&:= 3 + (3 \times 3^{3+3} + 33) \\
&:= 4 + ((4/4 + 4) \times 444 - 4/4) \\
&:= 5 + (((5-5/5) \times 555) - ((5+5)/5)) \\
&:= 6 \times 6 + ((6 \times 6 / (6+6))^{6/6+6}) \\
&:= 7 + (((7 \times 7 - (7+7)/7)^{(7+7)/7}) + 7) \\
&:= 888/8 + (88 \times (8+8+8)) \\
&:= 9 + (9+9+9) \times (9/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2224 &:= (1+1) \times (1+1111) \\
&:= 2 + 2222 \\
&:= 3^3 + (((3 \times 3 + 3/3) + 3)^3) \\
&:= 4 + (4/4 + 4) \times 444 \\
&:= (5-5/5) \times (555 + 5/5) \\
&:= ((6+6)/6) \times (6666 + 6)/6 \\
&:= ((7+7)/7) \times (7777 + 7)/7 \\
&:= (8+8) \times (8 \times (8+8) + (88/8)) \\
&:= ((9+9)/9) \times (9999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2225 &:= 1 + ((1+1) \times (1+1111)) \\
&:= 2 + (2222 + 2/2) \\
&:= 3 + ((33 \times 3^3) + (33/3)^3) \\
&:= (4/4 + 4) \times (444 + 4/4) \\
&:= 5 + ((5-5/5) \times 555) \\
&:= 66 + (6 \times 6 \times (66-6) - 6/6) \\
&:= 7 \times 7 + (((7+7+7)/7)^7 - (77/7)) \\
&:= (8/8 + 88) \times (8/8 + 8 + 8 + 8) \\
&:= 99/9 + (9+9+9) \times (9/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2226 &:= (1+1) \times (1+(1+1111)) \\
&:= 2 + (2222 + 2) \\
&:= 3 + ((3 \times 3^{3+3} + 33) + 3) \\
&:= 4 + 4 \times 4444 / (4+4) \\
&:= 5 + (((5-5/5) \times 555) + 5/5) \\
&:= 66 + 6 \times 6 \times (66-6) \\
&:= 7 \times (7 \times 7 \times 7 - 7 - 7) - 77 \\
&:= ((8+8)/8) \times (((8888+8) + 8)/8) \\
&:= ((9+9)/9) \times (((9999+9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2227 &:= 1 + ((1+1) \times (1+(1+1111))) \\
&:= 2 + ((2222 + 2/2) + 2) \\
&:= 3 + (((3 \times 3 + 3/3) + 3)^3) + 3^3 \\
&:= 4 + (((4/4 + 4) \times 444 - 4/4) + 4) \\
&:= 5 + ((5+5)/5 \times 5555/5) \\
&:= 66 + (6 \times 6 \times (66-6) + 6/6) \\
&:= ((7 \times 7 - 7/7)^{(7+7)/7}) - 77 \\
&:= 8 + (((88/8)^{88/8-8}) + 888) \\
&:= 9 + (((9+9)/9) \times ((9999 - (9+9))/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2228 &:= (1+1) \times (1+(1+(1+1111))) \\
&:= 2 + ((2222 + 2) + 2) \\
&:= 33 + ((3 \times (3^{3+3} + 3)) - 3/3) \\
&:= 4 + ((4/4 + 4) \times 444 + 4) \\
&:= (5-5/5) \times (555 + (5+5)/5) \\
&:= 6 + (((6+6)/6) \times (6666/6)) \\
&:= 7 \times 7 + (((7+7+7)/7)^7 - (7/7+7)) \\
&:= 8 + (((8+8)/8) \times (8888 - 8)/8) \\
&:= 99 + (((9+9)/9)^{99/9}) + 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2229 &:= 1 + ((1+1) \times (1+(1+(1+1111)))) \\
&:= 2 + (((2222 + 2/2) + 2) + 2) \\
&:= 33 + (3 \times (3^{3+3} + 3)) \\
&:= 4 + ((4/4 + 4) \times (444 + 4/4)) \\
&:= 5 + ((5-5/5) \times (555 + 5/5)) \\
&:= 6 \times (6 \times 66 - 6) - 666/6 \\
&:= 7 \times 7 + (((7+7+7)/7)^7 - 7) \\
&:= (8 \times (8 \times (8+8+8) + 88)) - 88/8 \\
&:= 9 + ((99/9 + 9) \times 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2230 &:= (11-1) \times (1+(1+1) \times 111) \\
&:= 2 \times (2+2) + 2222 \\
&:= 33 + (((3 \times 3 + 3/3) + 3)^3) \\
&:= 4 + (4 \times 4444 / (4+4) + 4) \\
&:= 5 + (((5-5/5) \times 555) + 5) \\
&:= 6 + (6 \times 6 \times (66-6) + ((6+6)/6)^6) \\
&:= 7/7 + (((7+7+7)/7)^7 - 7) + 7 \times 7 \\
&:= 8 + (((8+8)/8) \times 8888/8) \\
&:= 9 + (((99/9 + 9) \times 999/9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2231 &:= 11 + ((1+1) \times (1111 - 1)) \\
&:= 22/2 + (2222 - 2) \\
&:= 33 + (3 \times 3^{3+3} + 33/3) \\
&:= 44 + ((4-4/4)^{4+4-4/4}) \\
&:= 55/5 + ((5-5/5) \times 555) \\
&:= (6 \times ((6 \times (66-6) + 6) + 6)) - 6/6 \\
&:= 7 + (((7+7)/7) \times (7777 + 7)/7) \\
&:= 8 + ((88 \times (8+8+8)) + 888/8) \\
&:= 9 + (((9+9)/9) \times 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2232 &:= 11 + (((1+1) \times 1111) - 1) \\
&:= 2 + (2222 + 2 \times (2+2)) \\
&:= 3 + ((3 \times (3^{3+3} + 3)) + 33) \\
&:= (4/4 + 4 + 4) \times (4^4 - 4 - 4) \\
&:= (5+5)/5 \times (5555/5 + 5) \\
&:= 6 \times ((6 \times (66-6) + 6) + 6) \\
&:= 77 + (77 \times (7+7+7+7) - 7/7) \\
&:= (8/8 + 8) \times ((8+8) \times (8+8) - 8) \\
&:= 9 + ((9+9+9) \times (9/9 + 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2233 &:= 11 + ((1 + 1) \times 1111) \\
&:= 22/2 + 2222 \\
&:= 3 + (((3 \times 3 + 3/3) + 3)^3) + 33 \\
&:= 4 + (((4/4 + 4) \times (444 + 4/4)) + 4) \\
&:= 5 + ((5 - 5/5) \times (555 + (5 + 5)/5)) \\
&:= 6/6 + (6 \times ((6 \times (66 - 6) + 6) + 6)) \\
&:= 77 + 77 \times (7 + 7 + 7 + 7) \\
&:= 8 + ((8/8 + 88) \times (8/8 + 8 + 8 + 8)) \\
&:= 9 + (((9 + 9)/9) \times (9999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2234 &:= 1 + (11 + ((1 + 1) \times 1111)) \\
&:= 2222 + (2 \times (2 + 2 + 2)) \\
&:= 3 + ((3 \times 3^{3+3} + 33/3) + 33) \\
&:= 4 + ((4 \times 4444/(4 + 4) + 4) + 4) \\
&:= 5 + (((5 - 5/5) \times (555 + 5/5)) + 5) \\
&:= ((6 + 6)/6) \times ((6666/6) + 6) \\
&:= 7 + (((7 \times 7 - 7/7)^{(7+7)/7}) - 7/7) \\
&:= 8 + (((8 + 8)/8) \times ((8888 + 8) + 8)/8) \\
&:= 9 + ((9 + 9 + 9) \times (9/9 + 9 \times 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2235 &:= 11 + ((1 + 1) \times (1 + 1111)) \\
&:= 2 + (2222 + 22/2) \\
&:= (3 \times (3^{3+3} + 3^3)) - 33 \\
&:= (4/4 + 4) \times ((444 - 4/4) + 4) \\
&:= ((5 - 5/5) \times (555 + 5)) - 5 \\
&:= 6 + (6 \times (6 \times 66 - 6) - 666/6) \\
&:= 7 \times 7 + (((7 + 7 + 7)/7)^7 - 7/7) \\
&:= 8 \times 8 + (((88/8 - 8)^{8-8/8}) - (8 + 8)) \\
&:= 9 + (((9 + 9)/9) \times ((9999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2236 &:= 1 + (11 + ((1 + 1) \times (1 + 1111))) \\
&:= 2^{2+2} + (2222 - 2) \\
&:= 3 + (((((3 \times 3 + 3/3) + 3)^3) + 33) + 3) \\
&:= 4 \times 4 + (4/4 + 4) \times 444 \\
&:= (5 - 5/5) \times (555 - 5/5 + 5) \\
&:= ((6 + 6)/6) \times ((6666 + 6)/6 + 6) \\
&:= 7 \times 7 + ((7 + 7 + 7)/7)^7 \\
&:= ((8 + 8)/8) \times ((8888 - 8)/8 + 8) \\
&:= ((9 + 9)/9) \times (((9999 - (9 + 9))/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2237 &:= 11 + ((1 + 1) \times (1 + (1 + 1111))) \\
&:= 2 + ((2222 + 22/2) + 2) \\
&:= 33 + ((3 \times ((3^{3+3} + 3) + 3)) - 3/3) \\
&:= 4 \times 4 + ((4/4 + 4) \times 444 + 4/4) \\
&:= 5 + ((5 + 5)/5 \times (5555/5 + 5)) \\
&:= 6 + ((6 \times ((6 \times (66 - 6) + 6) + 6)) - 6/6) \\
&:= 7/7 + (((7 + 7 + 7)/7)^7 + 7 \times 7) \\
&:= 8 + ((8 \times (8 \times (8 + 8 + 8) + 88)) - (88/8)) \\
&:= 9 + (((((9 + 9)/9)^{99/9}) + 99) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2238 &:= (1 + 1) \times (((11 - 1) \times (1 + 111)) - 1) \\
&:= 2^{2+2} + 2222 \\
&:= 33 + (3 \times ((3^{3+3} + 3) + 3)) \\
&:= 4 \times 4 + 4 \times 4444/(4 + 4) \\
&:= ((5 - 5/5) \times (555 + 5)) - (5 + 5)/5 \\
&:= 6 + (6 \times ((6 \times (66 - 6) + 6) + 6)) \\
&:= 7 \times 7 + (((7 + 7 + 7)/7)^7 + ((7 + 7)/7)) \\
&:= ((8 + 8)/8) \times (8888/8 + 8) \\
&:= 9 + (((99/9 + 9) \times 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2239 &:= ((1 + 1) \times ((11 - 1) \times (1 + 111))) - 1 \\
&:= 2/2 + (2222 + 2^{2+2}) \\
&:= 3 \times 3 + (((3 \times 3 + 3/3) + 3)^3) + 33 \\
&:= ((4/4 + 4) \times (444 + 4)) - 4/4 \\
&:= ((5 - 5/5) \times (555 + 5)) - 5/5 \\
&:= 6 + ((6 \times ((6 \times (66 - 6) + 6) + 6)) + 6/6) \\
&:= ((7 + 7) \times (777/7 + 7 \times 7)) - 7/7 \\
&:= (8 \times (8 \times (8 + 8 + 8) + 88)) - 8/8 \\
&:= 99 + ((99/9 + 9) \times ((99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2240 &:= (1 + 1) \times ((11 - 1) \times (1 + 111)) \\
&:= 2 + (2222 + 2^{2+2}) \\
&:= (3 \times 3 + 3)^3 + ((3 - 3/3)^{3 \times 3}) \\
&:= (4/4 + 4) \times (444 + 4) \\
&:= (5 - 5/5) \times (555 + 5) \\
&:= (6 \times 6 - 6/6) \times ((6 + 6)/6)^6 \\
&:= (7 + 7) \times (777/7 + 7 \times 7) \\
&:= 8 \times (8 \times (8 + 8 + 8) + 88) \\
&:= ((9 + 9)/9) \times (9999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2241 &:= 1 + ((1 + 1) \times ((11 - 1) \times (1 + 111))) \\
&:= 22 + (2222 - (2/2 + 2)) \\
&:= 3 \times (3^{3+3} + (3 \times (3 + 3))) \\
&:= 4/4 + ((4/4 + 4) \times (444 + 4)) \\
&:= 5/5 + ((5 - 5/5) \times (555 + 5)) \\
&:= 66 + ((66 \times 66 - 6)/(6 + 6)/6) \\
&:= 7 \times (7 \times 7 \times 7 - 7) - 777/7 \\
&:= 8/8 + (8 \times (8 \times (8 + 8 + 8) + 88)) \\
&:= (9 + 9 + 9) \times (((9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2242 &:= (1 + 1) \times (11 + (1111 - 1)) \\
&:= 22 + (2222 - 2) \\
&:= 3/3 + (3 \times (3^{3+3} + (3 \times (3 + 3)))) \\
&:= 4 + (4 \times 4444/(4 + 4) + 4 \times 4) \\
&:= 55 + ((5 - (5 + 5)/5)^{(5+5)/5+5}) \\
&:= ((6 + 6)/6 + 6 \times 6) \times (66 - (6/6 + 6)) \\
&:= 7 + (((7 + 7 + 7)/7)^7 - 7/7) + 7 \times 7 \\
&:= (8 + 8)/8 + (8 \times (8 \times (8 + 8 + 8) + 88)) \\
&:= 9/9 + ((9 + 9 + 9) \times (((9 + 9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2243 &:= ((1 + 1) \times (11 + 1111)) - 1 \\
&:= 22 + (2222 - 2/2) \\
&:= 3 + (((3 - 3/3)^{3 \times 3}) + (3 \times 3 + 3)^3) \\
&:= (4 \times (4/4 + 4)^4) - (4/4 + 4^4) \\
&:= 5 + (((5 - 5/5) \times (555 + 5)) - ((5 + 5)/5)) \\
&:= (66 \times (6 \times 6 - ((6 + 6)/6))) - 6/6 \\
&:= 7 + (((7 + 7 + 7)/7)^7 + 7 \times 7) \\
&:= 8 \times 8 + (((88/8 - 8)^{8-8/8}) - 8) \\
&:= (9 + 9)/9 + ((9 + 9 + 9) \times (((9 + 9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2244 &:= (1 + 1) \times (11 + 1111) \\
&:= 22 + 2222 \\
&:= 3 + (3 \times (3^{3+3} + (3 \times (3 + 3)))) \\
&:= (4 \times (4/4 + 4)^4) - 4^4 \\
&:= (5 - 5/5) \times ((555 + 5/5) + 5) \\
&:= 66 \times (6 \times 6 - ((6 + 6)/6)) \\
&:= 7 + (((7 + 7 + 7)/7)^7 + 7 \times 7) + 7/7 \\
&:= ((8 + 8)/8) \times ((8888 + 88)/8) \\
&:= ((9 + 9)/9) \times ((9999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2245 &:= 1 + ((1 + 1) \times (11 + 1111)) \\
&:= 22 + (2222 + 2/2) \\
&:= 3 + ((3 \times (3^{3+3} + (3 \times (3 + 3)))) + 3/3) \\
&:= 4/4 + ((4 \times (4/4 + 4)^4) - 4^4) \\
&:= 5 + ((5 - 5/5) \times (555 + 5)) \\
&:= 6/6 + (66 \times (6 \times 6 - ((6 + 6)/6))) \\
&:= 7 + (((7 + 7 + 7)/7)^7 + ((7 + 7)/7)) + 7 \times 7 \\
&:= 8 \times 8 \times (8 + 8) + 88/8 \times 888/8 \\
&:= 9999/9 + (9 \times ((99 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2246 &:= (1 + 1) \times (1 + (11 + 1111)) \\
&:= 2 + (2222 + 22) \\
&:= 3^3 + ((3 \times 3^{3+3} - 3/3) + 33) \\
&:= (4 + 4)/4 + ((4 \times (4/4 + 4)^4) - 4^4) \\
&:= 5 + (((5 - 5/5) \times (555 + 5)) + 5/5) \\
&:= 6 + ((6 \times 6 - 6/6) \times ((6 + 6)/6)^6) \\
&:= 7 \times 7 + ((7 - 7/7 + 7)^{(7+7+7)/7}) \\
&:= 8 + (((8 + 8)/8) \times (8888/8 + 8)) \\
&:= 99 + (((9 + 9)/9)^{99/9} + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2247 &:= 1 + ((1 + 1) \times (1 + (11 + 1111))) \\
&:= 2 + ((2222 + 22) + 2/2) \\
&:= 3^3 + (3 \times 3^{3+3} + 33) \\
&:= 4 + ((4 \times (4/4 + 4)^4) - (4/4 + 4^4)) \\
&:= 5 \times 5 + ((5 + 5)/5 \times 5555/5) \\
&:= 66 + ((66 \times 66 + 6)/(6 + 6)/6) \\
&:= 7 \times 7 \times 7 \times 7 - 77 - 77 \\
&:= 8 + ((8 \times (8 \times (8 + 8 + 8) + 88)) - 8/8) \\
&:= (((99 + 9)/9) + 9) \times ((99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2248 &:= (1+1) \times (1+(1+(11+1111))) \\
&:= 2 + ((2222+22)+2) \\
&:= ((3/3+3)^3) + (3 \times 3^{3+3} - 3) \\
&:= 4 + ((4 \times (4/4+4)^4) - 4^4) \\
&:= (5-5/5) \times ((555+(5+5)/5)+5) \\
&:= 6 \times 6 \times 66 - (((6+6)/6)^{6/6+6}) \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 7) - 777/7) \\
&:= 8 + (8 \times (8 \times (8+8+8) + 88)) \\
&:= (9 \times (9 \times (9+9+9) + 9)) - (99/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2249 &:= 1 + ((1+1) \times (1+(1+(11+1111)))) \\
&:= 2 + (((2222+22)+2/2)+2) \\
&:= 3^3 + ((33 \times 3^3) + (33/3)^3) \\
&:= 4 + (((4 \times (4/4+4)^4) - 4^4) + 4/4) \\
&:= (5 \times ((5+5) \times (55-5-5))) - 5/5 \\
&:= 6 + ((66 \times (6 \times 6 - ((6+6)/6))) - 6/6) \\
&:= (7 \times 7 - 7/7) \times (7 \times 7 - (7+7)/7) - 7 \\
&:= 8 + ((8 \times (8 \times (8+8+8) + 88)) + 8/8) \\
&:= 9 + (((9+9)/9) \times (9999/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2250 &:= (11-1) \times (1+((1+1) \times (1+111))) \\
&:= 2 + (((2222+22)+2)+2) \\
&:= 3 \times ((3^{3+3} + (3 \times (3+3))) + 3) \\
&:= (4/4+4) \times ((444+(4+4)/4)+4) \\
&:= 5 \times ((5+5) \times (55-5-5)) \\
&:= 6 + (66 \times (6 \times 6 - ((6+6)/6))) \\
&:= 7 + (((7+7+7)/7)^7 + 7 \times 7) + 7 \\
&:= (8/8+8+8+8) \times ((8+8)/8+88) \\
&:= (9 \times (9 \times (9+9+9) + 9)) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2251 &:= 1 + ((11-1) \times (1+((1+1) \times (1+111)))) \\
&:= (((22-2) \times (222+2)) + 22)/2 \\
&:= ((3/3+3)^3) + 3 \times 3^{3+3} \\
&:= 4 \times 4 \times 4 + ((4-4/4)^{4+4-4/4}) \\
&:= 5/5 + (5 \times ((5+5) \times (55-5-5))) \\
&:= 6 + ((66 \times (6 \times 6 - ((6+6)/6))) + 6/6) \\
&:= 7 + (((7+7+7)/7)^7 + 7 \times 7) + 7/7 + 7 \\
&:= 8 \times 8 + ((88/8-8)^{8-8/8}) \\
&:= 9/9 + ((9 \times (9 \times (9+9+9) + 9)) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2252 &:= 1 + (1 + ((11-1) \times (1+((1+1) \times (1+111)))) \\
&:= 2 \times ((2 \times (((22+2)^2) - 2)) - 22) \\
&:= 3/3 + (((3/3+3)^3) + 3 \times 3^{3+3}) \\
&:= 4 + (((4 \times (4/4+4)^4) - 4^4) + 4) \\
&:= (5+5)/5 + (5 \times ((5+5) \times (55-5-5))) \\
&:= 6 + (((6 \times 6 - 6/6) \times ((6+6)/6)^6) + 6) \\
&:= (7 \times (7 \times 7 \times 7 - 7 - 7 - 7)) - (7+7)/7 \\
&:= 8 + (((8+8)/8) \times ((8888+88)/8)) \\
&:= (9+9)/9 + ((9 \times (9 \times (9+9+9) + 9)) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2253 &:= 11 + ((1+1) \times (11+(1111-1))) \\
&:= 22 + ((2222-2) + 22/2) \\
&:= 33 + (3 \times 3^{3+3} + 33) \\
&:= 44 + ((44-4/4+4)^{(4+4)/4}) \\
&:= 5 + ((5-5/5) \times ((555+(5+5)/5)+5)) \\
&:= 66 + ((6 \times 6/(6+6))^{6/6+6}) \\
&:= (7 \times (7 \times 7 \times 7 - 7 - 7 - 7)) - 7/7 \\
&:= ((88/8+8) \times (888/8+8)) - 8 \\
&:= 9 + (((9+9)/9) \times ((9999+99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2254 &:= 11 + (((1+1) \times (11+1111)) - 1) \\
&:= 2222 + 2 \times 2^{2+2} \\
&:= 3 + (((3/3+3)^3) + 3 \times 3^{3+3}) \\
&:= 4 \times (4+4) + 4 \times 4444/(4+4) \\
&:= 5 + ((5 \times ((5+5) \times (55-5-5))) - 5/5) \\
&:= 6 \times 6 \times 66 - ((666+66)/6) \\
&:= 7 \times (7 \times 7 \times 7 - 7 - 7 - 7) \\
&:= ((8+8)/8) \times ((8888/8+8) + 8) \\
&:= (99-9/9) \times ((99+99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2255 &:= 11 + ((1+1) \times (11+1111)) \\
&:= 22 + (2222+22/2) \\
&:= 33/3 \times ((3+3)^3 - 33/3) \\
&:= 4^4 + (44 \times 44 + ((4^4-4)/4)) \\
&:= 5 + (5 \times ((5+5) \times (55-5-5))) \\
&:= 66/6 \times (6 \times 6 \times 6 - (66/6)) \\
&:= 7/7 + (7 \times (7 \times 7 \times 7 - 7 - 7 - 7)) \\
&:= 8 + (((8 \times (8 \times (8+8+8) + 88)) - 8/8) + 8) \\
&:= 9 + (((9+9)/9)^{99/9} + 99) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2256 &:= 1 + (11 + ((1+1) \times (11+1111))) \\
&:= 2 + (2222 + 2 \times 2^{2+2}) \\
&:= (3 \times ((3^{3+3} - 3) + 3^3)) - 3 \\
&:= 4 \times (4 \times (4^4 - 4) - 444) \\
&:= 5 + ((5 \times ((5+5) \times (55-5-5))) + 5/5) \\
&:= 6 + ((66 \times (6 \times 6 - ((6+6)/6))) + 6) \\
&:= (7 \times 7 - 7/7) \times (7 \times 7 - (7+7)/7) \\
&:= 8 + ((8 \times (8 \times (8+8+8) + 88)) + 8) \\
&:= (9 \times (9 \times (9+9+9) + 9)) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2257 &:= 11 + ((1+1) \times (1+(11+1111))) \\
&:= 2 + ((2222+22/2)+22) \\
&:= (3 \times (3^{3+3} + 3^3)) - 33/3 \\
&:= 4/4 + ((4+4) \times (4^4+4) + 4 \times 44) \\
&:= 5^5 - (((5-(5+5)/5)^5) + 5^5/5) \\
&:= (6 \times 6 + 6/6) \times (66-6+6/6) \\
&:= 77 + (((7+7+7)/7)^7 - 7) \\
&:= 8 + (((8 \times (8 \times (8+8+8) + 88)) + 8/8) + 8) \\
&:= (9 \times (9 \times (9+9+9) + 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2258 &:= (1+1) \times (((11-1) \times (1+1+111)) - 1) \\
&:= (2+2+2)^2 + 2222 \\
&:= 3 \times 3^{3+3} + (((3+3)^3 - 3)/3) \\
&:= 4 + (4 \times 4444/(4+4) + 4 \times (4+4)) \\
&:= 5^5 + (((5-5^5)/(5+5)) - 555) \\
&:= 6 \times 6 + (((6+6)/6) \times (6666/6)) \\
&:= 7/7 + (((7+7+7)/7)^7 - 7) + 77 \\
&:= 8 + ((8/8+8+8+8) \times ((8+8)/8+88)) \\
&:= (9 \times (9 \times (9+9+9) + 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2259 &:= (1+1)^{11} + ((1+1) \times 111 - 11) \\
&:= 2/2 + ((2+2+2)^2 + 2222) \\
&:= 3 \times ((3^{3+3} - 3) + 3^3) \\
&:= (4/4+4+4) \times (4^4 - 4/4 - 4) \\
&:= (5-5/5+5) \times (5 \times 5 \times (5+5) + 5/5) \\
&:= 6 \times 6 \times 66 - (666/6+6) \\
&:= 7 \times 7 \times 7 \times 7 - (((7+7)/7)^7 + 7) + 7 \\
&:= 8 + (((88/8-8)^{8-8/8}) + 8 \times 8) \\
&:= (9 \times (9 \times (9+9+9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2260 &:= (1+1) \times ((11-1) \times (1+1+111)) \\
&:= 2 \times ((2 \times ((22+2)^2)) - 22) \\
&:= 3/3 + (3 \times ((3^{3+3} - 3) + 3^3)) \\
&:= 4^4 + (4^4 \times (4+4) - 44) \\
&:= (5-5/5) \times (555+5+5) \\
&:= 6 \times 6 \times 66 + (((6-666)/6) - 6) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 - 7 - 7 - 7)) - 7/7) \\
&:= ((8 \times 8 \times (8 \times 8 + 8)) - 88)/(8+8)/8 \\
&:= 9/9 + ((9 \times (9 \times (9+9+9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2261 &:= 1 + ((1+1) \times ((11-1) \times (1+1+111))) \\
&:= 2/2 + (2 \times ((2 \times ((22+2)^2)) - 22)) \\
&:= 3 + (((3+3)^3 - 3)/3) + 3 \times 3^{3+3} \\
&:= 4/4 + ((4^4 \times (4+4) - 44) + 4^4) \\
&:= 5^5 + (((55/5+5) \times (5/5-55)) \\
&:= 6 + ((66/6) \times (6 \times 6 \times 6 - (66/6))) \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 7 - 7 - 7)) \\
&:= (88/8+8) \times (888/8+8) \\
&:= (9+9)/9 + ((9 \times (9 \times (9+9+9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2262 &:= (1+1) \times (1+((11-1) \times (1+1+111))) \\
&:= 2222 + 2 \times (22-2) \\
&:= 3 + (3 \times ((3^{3+3} - 3) + 3^3)) \\
&:= 44 + (4 \times 4444/(4+4) - 4) \\
&:= (5 \times 5 + 5/5) \times (((5+5)/5)^5 + 55) \\
&:= 66 + 6 \times 6 \times (66-6+6) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 - 7 - 7 - 7)) + 7/7) \\
&:= (8/8-88) \times ((8-88)/8 - (8+8)) \\
&:= ((9+9)/9) \times (((9999+99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2263 &:= 1 + ((1+1) \times (1 + ((11-1) \times (1+1+111)))) \\
&:= 2/2 + (2222 + 2 \times (22-2)) \\
&:= 3 + ((3 \times ((3^{3+3} - 3) + 3^3)) + 3/3) \\
&:= 4 + ((4/4 + 4 + 4) \times (4^4 - 4/4 - 4)) \\
&:= 5 + (((5-5^5)/(5+5)) - 555) + 5^5 \\
&:= 6 + ((6 \times 6 + 6/6) \times (66 - 6 + 6/6)) \\
&:= 77 + (((7+7+7)/7)^7 - 7/7) \\
&:= 88 + (((8+8) \times (8 \times (8+8) + 8)) - 8/8) \\
&:= 9 + ((99 - 9/9) \times ((99+99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2264 &:= (1+1) \times (11 + (11 + (1111 - 1))) \\
&:= 2 \times 22 + (2222 - 2) \\
&:= (3+3)^3 + (3 - 3/3)^{33/3} \\
&:= 44 + (4/4 + 4) \times 444 \\
&:= (5 - 5/5) \times (555 + (55/5)) \\
&:= 6 \times 6 \times 6 + (((6+6)/6)^{66/6}) \\
&:= 77 + ((7+7+7)/7)^7 \\
&:= 88 + ((8+8) \times (8 \times (8+8) + 8)) \\
&:= ((9-9 \times 9)/(9+9)) + (9 \times (9 \times (9+9+9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2265 &:= ((1+1) \times (11 + (11 + 1111))) - 1 \\
&:= 2 \times 22 + (2222 - 2/2) \\
&:= (3 \times (3^{3+3} + 3^3)) - 3 \\
&:= 44 + ((4/4 + 4) \times 444 + 4/4) \\
&:= 5 + ((5-5/5) \times (555 + 5+5)) \\
&:= 6 \times 6 \times 66 - 666/6 \\
&:= 7/7 + (((7+7+7)/7)^7 + 77) \\
&:= 8/8 + (((8+8) \times (8 \times (8+8) + 8)) + 88) \\
&:= (9 \times (9 \times (9+9+9) + 9)) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2266 &:= (1+1) \times (11 + (11 + 1111)) \\
&:= 2 \times 22 + 2222 \\
&:= 3/3 + ((3 \times (3^{3+3} + 3^3)) - 3) \\
&:= 44 + 4 \times 4444/(4+4) \\
&:= 5 + (((55/5+5) \times (5/5 - 55)) + 5^5) \\
&:= 6 \times 6 \times 66 + ((6 - 666)/6) \\
&:= 7 \times 7 \times 7 \times 7 - (((7+7)/7)^7 + 7) \\
&:= (888/8 - 8) \times (88 + 88)/8 \\
&:= (9 \times (9 \times (9+9+9) + 9)) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2267 &:= 1 + ((1+1) \times (11 + (11 + 1111))) \\
&:= 2/2 + (2222 + 2 \times 22) \\
&:= (3 \times (3^{3+3} + 3^3)) - 3/3 \\
&:= (4^4 - 4) \times (4/4 + 4 + 4) - 4/4 \\
&:= 5 + ((5 \times 5 + 5/5) \times (((5+5)/5)^5 + 55)) \\
&:= (6 \times (6 \times 66 - (6+6+6))) - 6/6 \\
&:= 777/7 + 77 \times (7+7+7+7) \\
&:= 88 + (((88/8 - 8)^{8-8/8}) - 8) \\
&:= (9 \times (9 \times (9+9+9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2268 &:= (1+1)^{11} + ((1+1) \times (111 - 1)) \\
&:= 2 + (2222 + 2 \times 22) \\
&:= 3 \times (3^{3+3} + 3^3) \\
&:= (4^4 - 4) \times (4/4 + 4 + 4) \\
&:= (5 - 5/5) \times (((55+5)/5) + 555) \\
&:= 6 \times (6 \times 66 - (6+6+6)) \\
&:= 7 \times ((77/7+7)^{(7+7)/7}) \\
&:= (8/8 + 8) \times ((8 \times 8 \times 8 - 8)/(8+8)/8) \\
&:= 9 \times (9 \times (9+9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2269 &:= (1+1)^{11} + ((1+1) \times 111 - 1) \\
&:= 222 + (2^{22/2} - 2/2) \\
&:= 3/3 + (3 \times (3^{3+3} + 3^3)) \\
&:= 4/4 + (4^4 - 4) \times (4/4 + 4 + 4) \\
&:= 5 + ((5 - 5/5) \times (555 + (55/5))) \\
&:= 6/6 + (6 \times (6 \times 66 - (6+6+6))) \\
&:= 7/7 + (7 \times ((77/7+7)^{(7+7)/7})) \\
&:= 8 + ((88/8+8) \times (888/8+8)) \\
&:= 9/9 + (9 \times (9 \times (9+9+9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2270 &:= (1+1)^{11} + (1+1) \times 111 \\
&:= 222 + 2^{22/2} \\
&:= 3 + ((3 \times (3^{3+3} + 3^3)) - 3/3) \\
&:= (444 + ((4+4)^4))/(4+4)/4 \\
&:= 55 + (((5-5/5) \times 555) - 5) \\
&:= 6 + (((6+6)/6)^{66/6}) + 6 \times 6 \times 6 \\
&:= 7 + (((7+7+7)/7)^7 - 7/7) + 77 \\
&:= 8 + ((8/8 - 88) \times ((8-88)/8 - (8+8))) \\
&:= (9+9)/9 + (9 \times (9 \times (9+9+9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2271 &:= 1 + ((1+1)^{11} + (1+1) \times 111) \\
&:= 2/2 + (2^{22/2} + 222) \\
&:= 3 + (3 \times (3^{3+3} + 3^3)) \\
&:= 4^4 + ((4+4) \times (4^4 - 4) - 4/4) \\
&:= 55 + ((5-5/5) \times (555 - 5/5)) \\
&:= 6 + (6 \times 6 \times 66 - 666/6) \\
&:= 7 + (((7+7+7)/7)^7 + 77) \\
&:= 8 + (((8+8) \times (8 \times (8+8) + 8)) - 8/8) + 88 \\
&:= ((9+9+9)/9) + (9 \times (9 \times (9+9+9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2272 &:= (1+1)^{11} + ((1+1) \times (1+111)) \\
&:= 2 + (2^{22/2} + 222) \\
&:= 3 + ((3 \times (3^{3+3} + 3^3)) + 3/3) \\
&:= 4^4 + (4+4) \times (4^4 - 4) \\
&:= (5+5)/5 \times (5555/5 + 5 \times 5) \\
&:= 6 + (((6-666)/6) + 6 \times 6 \times 66) \\
&:= 7 + (((7+7+7)/7)^7 + 77) + 7/7 \\
&:= 8 + (((8+8) \times (8 \times (8+8) + 8)) + 88) \\
&:= 999 + (9999/9 + 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2273 &:= 1 + ((1+1)^{11} + ((1+1) \times (1+111))) \\
&:= 2 + ((2^{22/2} + 222) + 2/2) \\
&:= 3 + (((3 \times (3^{3+3} + 3^3)) - 3/3) + 3) \\
&:= 4/4 + ((4+4) \times (4^4 - 4) + 4^4) \\
&:= (5 - 5/5)^5 + ((5^5 - 5 + 5^5)/5) \\
&:= 6 \times (6 \times 66 - 6) - (66 + 6/6) \\
&:= 7 \times 7 \times 7 \times 7 - ((7+7)/7)^7 \\
&:= ((8-8/8)^{8 \times 8/(8+8)}) - 8 \times (8+8) \\
&:= ((9 \times 9 + 9)/(9+9)) + (9 \times (9 \times (9+9+9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2274 &:= (1+1)^{11} + ((1+1) \times (1+1+111)) \\
&:= 2 + ((2^{22/2} + 222) + 2) \\
&:= 3 + ((3 \times (3^{3+3} + 3^3)) + 3) \\
&:= 4 + ((444 + ((4+4)^4))/(4+4)/4) \\
&:= (5 - 5/5)^5 + 5 \times 5 \times 5 \times (5+5) \\
&:= 6 \times (6 \times 66 - 6) - 66 \\
&:= 7 \times (7 \times 7 \times 7 - 7) - 7/7 - 77 \\
&:= 8 + ((888/8 - 8) \times (88 + 88)/8) \\
&:= 9 + ((9 \times (9 \times (9+9+9) + 9)) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2275 &:= 1 + ((1+1)^{11} + ((1+1) \times (1+1+111))) \\
&:= 2 + (((2^{22/2} + 222) + 2/2) + 2) \\
&:= (3 \times (3^{3+3} + 3^3)) - 33/3 \\
&:= (4/4 + 4) \times (444 + 44/4) \\
&:= 5 \times (((5+5) \times (55 - 5 - 5)) + 5) \\
&:= (6 \times 6 - 6/6) \times (66 - 6/6) \\
&:= 7 \times (7 \times 7 \times 7 - 7) - 77 \\
&:= 88 + ((88/8 - 8)^{8-8/8}) \\
&:= 9 + ((9 \times (9 \times (9+9+9) + 9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2276 &:= (1+1) \times (1111 + (1+1+1)^{1+1+1}) \\
&:= 2 + (((2^{22/2} + 222) + 2) + 2) \\
&:= 333 + (((3 \times (3+3))^3 - 3)/3) \\
&:= 4 + ((4+4) \times (4^4 - 4) + 4^4) \\
&:= (5 - 5/5) \times ((5^5 - 5)/5 - 55) \\
&:= 6 \times (6 \times 66 - 6) - ((6+6)/6)^6 \\
&:= 7/7 + (7 \times (7 \times 7 \times 7 - 7) - 77) \\
&:= ((8 \times (8 \times (8 \times 8 + 8) - 8)) + 8)/(8+8)/8 \\
&:= 9 + ((9 \times (9 \times (9+9+9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2277 &:= 11 \times (11 + (1+1+1+11)^{1+1}) \\
&:= 22/2 + (2222 + 2 \times 22) \\
&:= 3 \times ((3^{3+3} + 3^3) + 3) \\
&:= (4/4 + 4 + 4) \times ((4/4 - 4) + 4^4) \\
&:= 55 + ((5+5)/5 \times 5555/5) \\
&:= 6 + ((6 \times 6 \times 66 - 666/6) + 6) \\
&:= (7+7)/7 + (7 \times (7 \times 7 \times 7 - 7) - 77) \\
&:= 88/8 \times ((888/8 + 88) + 8) \\
&:= 9 + (9 \times (9 \times (9+9+9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2278 &:= 1 + (11 \times (11 + (1 + 1 + 1 + 11)^{1+1})) \\
&:= ((2 \times (22 + 2))^2) - 22 - 2 - 2 \\
&:= 3/3 + (3 \times ((3^{3+3} + 3^3) + 3)) \\
&:= (4 - 44)/4 + 44 \times (44 + 4 + 4) \\
&:= 5 + (((5^5 - 5 + 5^5)/5) + (5 - 5/5)^5) \\
&:= (66 + 6/6) \times (6 \times 6 - ((6 + 6)/6)) \\
&:= 7 + (((7 + 7 + 7)/7)^7 + 77) + 7 \\
&:= 8 \times 8 + (((8 + 8)/8) \times 8888/8) - 8 \\
&:= 9 + ((9 \times (9 \times (9 + 9 + 9) + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2279 &:= (1 + 1)^{11} + (11 \times (11 + (11 - 1))) \\
&:= 2^{22/2} + ((22^2 - 22)/2) \\
&:= 33/3 + (3 \times (3^{3+3} + 3^3)) \\
&:= (44 - 4/4) \times (4^4 - 44)/4 \\
&:= 5 + (5 \times 5 \times 5 \times (5 + 5) + (5 - 5/5)^5) \\
&:= 6 + (6 \times (6 \times 66 - 6) - (66 + 6/6)) \\
&:= 7 \times 7 \times 7 \times 7 - (777 + 77)/7 \\
&:= ((8 + 8 + 8) \times (88 - 8/8 + 8)) - 8/8 \\
&:= 99/9 + (9 \times (9 \times (9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2280 &:= (1 + 1) \times ((11 - 1) \times (1 + 1 + 1 + 111)) \\
&:= ((2 \times (22 + 2))^2) - (22 + 2) \\
&:= 3 + (3 \times ((3^{3+3} + 3^3) + 3)) \\
&:= 44 \times (44 + 4 + 4) - 4 - 4 \\
&:= (5 - 5/5) \times (5^5/5 - 55) \\
&:= 6 + (6 \times (6 \times 66 - 6) - 66) \\
&:= 7 + (7 \times 7 \times 7 \times 7 - ((7 + 7)/7)^7) \\
&:= (8 + 8 + 8) \times (88 - 8/8 + 8) \\
&:= (9/9 + 9 + 9) \times (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2281 &:= 11 + ((1 + 1)^{11} + (1 + 1) \times 111) \\
&:= ((2 \times (22 + 2))^2) - (22 + 2/2) \\
&:= 3 + ((3 \times ((3^{3+3} + 3^3) + 3)) + 3/3) \\
&:= 4^4 + ((44 + 4/4)^{(4+4)/4}) \\
&:= 5 + ((55 \times (5 \times 5 + 5)) + (5^5 + 5)/5) \\
&:= 6 + ((6 \times 6 - 6/6) \times (66 - 6/6)) \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 7) - (7/7 + 77)) \\
&:= 8/8 + ((8 + 8 + 8) \times (88 - 8/8 + 8)) \\
&:= 9/9 + ((9/9 + 9 + 9) \times (999/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2282 &:= 1 + (11 + ((1 + 1)^{11} + (1 + 1) \times 111)) \\
&:= ((2 \times (22 + 2))^2) - 22 \\
&:= (3 \times (3^{3+3} + 33)) - (3/3 + 3) \\
&:= 4^4 + (((4 + 4)^4) - 44)/((4 + 4)/4) \\
&:= 5 + (((5 + 5)/5 \times 5555/5) + 55) \\
&:= 6 + (6 \times (6 \times 66 - 6) - ((6 + 6)/6)^6) \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 7) - 77) \\
&:= (8 + 8)/8 + ((8 + 8 + 8) \times (88 - 8/8 + 8)) \\
&:= (9 + 9) \times 99 + (((9 \times 999) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2283 &:= 11 + ((1 + 1)^{11} + ((1 + 1) \times (1 + 111))) \\
&:= 2/2 + (((2 \times (22 + 2))^2) - 22) \\
&:= (3 \times (3^{3+3} + 33)) - 3 \\
&:= 44 \times (44 + 4 + 4) - (4/4 + 4) \\
&:= (55/5 \times ((5^5 - 5)/(5 + 5 + 5))) - 5 \\
&:= 6 + (((6 \times 6 \times 66 - 666/6) + 6) + 6) \\
&:= 7 \times 7 \times 7 \times 7 - (777/7 + 7) \\
&:= 8 + (((88/8 - 8)^{8-8/8}) + 88) \\
&:= 99 + (((9 + 9 + 9)/9) \times (9 \times 9 \times 9 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2284 &:= 1 + (11 + ((1 + 1)^{11} + ((1 + 1) \times (1 + 111)))) \\
&:= 2 + (((2 \times (22 + 2))^2) - 22) \\
&:= 3/3 + ((3 \times (3^{3+3} + 33)) - 3) \\
&:= 44 \times (44 + 4 + 4) - 4 \\
&:= (5 - 5/5) \times ((5^5 + 5)/5 - 55) \\
&:= 6 + ((66 + 6/6) \times (6 \times 6 - ((6 + 6)/6))) \\
&:= 7 \times (7 + 7) + (((7 + 7 + 7)/7)^7 - 7/7) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 + 8) - 8)) + 8)/(8 + 8)/8) \\
&:= 99 + (9 \times 9 \times (9 + 9 + 9) - (9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2285 &:= 11 + ((1 + 1)^{11} + ((1 + 1) \times (1 + 1 + 111))) \\
&:= 2 + (((2 \times (22 + 2))^2) - 22) + 2/2 \\
&:= (3 \times (3^{3+3} + 33)) - 3/3 \\
&:= 4/4 + (44 \times (44 + 4 + 4) - 4) \\
&:= 5 + ((5 - 5/5) \times (5^5/5 - 55)) \\
&:= 66/6 + (6 \times (6 \times 66 - 6) - 66) \\
&:= 7 \times (7 + 7) + ((7 + 7 + 7)/7)^7 \\
&:= 888 + (88 \times (8 + 8) - (88/8)) \\
&:= 99 + (9 \times 9 \times (9 + 9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2286 &:= (1 + 1) \times (1111 + ((11 \times (1 + 1 + 1)) - 1)) \\
&:= 2^{2+2+2} + 2222 \\
&:= 3 \times (3^{3+3} + 33) \\
&:= (4/4 + 4 + 4) \times (4^4 - (4 + 4)/4) \\
&:= ((55 + 5^5)/5) + (55 \times (5 \times 5 + 5)) \\
&:= 6 + ((6 \times (6 \times 66 - 6) - 66) + 6) \\
&:= 7/7 + (((7 + 7 + 7)/7)^7 + 7 \times (7 + 7)) \\
&:= 8 \times 8 + (((8 + 8)/8) \times 8888/8) \\
&:= 99 + 9 \times 9 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2287 &:= (1 + 1)^{11} + (((1 + 1) \times (11^{1+1} - 1)) - 1) \\
&:= 2/2 + (2^{2+2+2} + 2222) \\
&:= 3/3 + (3 \times (3^{3+3} + 33)) \\
&:= 44 \times (44 + 4 + 4) - 4/4 \\
&:= 55 + ((5 + 5)/5 \times (5555/5 + 5)) \\
&:= 6 + (((6 \times 6 - 6/6) \times (66 - 6/6)) + 6) \\
&:= 7 + ((7 \times 7 \times 7 \times 7 - ((7 + 7)/7)^7) + 7) \\
&:= 888 + (88 \times (8 + 8) - (8/8 + 8)) \\
&:= 9/9 + (9 \times 9 \times (9 + 9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2288 &:= (1 + 1) \times (1111 + (11 \times (1 + 1 + 1))) \\
&:= 2 \times (2 \times (22 \times (22 + 2 + 2))) \\
&:= 3 + ((3 \times (3^{3+3} + 33)) - 3/3) \\
&:= 44 \times (44 + 4 + 4) \\
&:= 55/5 \times ((5^5 - 5)/(5 + 5 + 5)) \\
&:= 66 + (((6 + 6)/6) \times (6666/6)) \\
&:= (7/7 + 7) \times (7 \times (7 \times 7 - 7) - (7/7 + 7)) \\
&:= 88 \times (((8 + 8)/8) + 8) + 8 \\
&:= 9 + ((9 \times (9 \times (9 + 9 + 9) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2289 &:= (11 + (11 - 1)) \times (111 - 1 - 1) \\
&:= 2^{22/2} + (22^2 - 2)/2 \\
&:= 3 + (3 \times (3^{3+3} + 33)) \\
&:= 4/4 + 44 \times (44 + 4 + 4) \\
&:= 5 + ((5 - 5/5) \times ((5^5 + 5)/5 - 55)) \\
&:= (6/6 + 6) \times (666/6 + 6 \times 6 \times 6) \\
&:= 7 \times (7 \times 7 \times 7 - 7 - 7) - (7 + 7) \\
&:= 8/8 + ((88 \times (8 + 8) - 8) + 888) \\
&:= 9 + ((9/9 + 9 + 9) \times (999/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2290 &:= (1 + 1)^{11} + ((1 + 1) \times 11^{1+1}) \\
&:= 2^{22/2} + 22^2/2 \\
&:= 3 + ((3 \times (3^{3+3} + 33)) + 3/3) \\
&:= (4 + 4)/4 + 44 \times (44 + 4 + 4) \\
&:= 5^5 - (((55 \times (5 + 5 + 5)) + 5) + 5) \\
&:= 6 + (((66 + 6/6) \times (6 \times 6 - ((6 + 6)/6))) + 6) \\
&:= 7 \times 7 \times 7 \times 7 - 777/7 \\
&:= 888 + ((88 \times (8 + 8) - 8) + ((8 + 8)/8)) \\
&:= (9/9 + 9) \times ((99/9) \times (99/9 + 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2291 &:= 1 + ((1 + 1)^{11} + ((1 + 1) \times 11^{1+1})) \\
&:= 2^{22/2} + (22^2 + 2)/2 \\
&:= 3 + (((3 \times (3^{3+3} + 33)) - 3/3) + 3) \\
&:= 4 + (44 \times (44 + 4 + 4) - 4/4) \\
&:= 555 + (5555 + 5^5)/5 \\
&:= (6 \times (6 \times ((6 + 6)/6)^6) - (6/6 + 6 + 6)) \\
&:= 7 \times 7 \times 7 \times 7 + ((7 - 777)/7) \\
&:= 8 + (((88/8 - 8)^{8-8/8}) + 88) + 8 \\
&:= 9 \times (9 + 9 + 9) + (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2292 &:= (1 + 1)^{11} + ((1 + 1) \times (1 + 11^{1+1})) \\
&:= 2 \times ((2 \times (((22 + 2)^2) - 2)) - 2) \\
&:= 3 + ((3 \times (3^{3+3} + 33)) + 3) \\
&:= 4 + 44 \times (44 + 4 + 4) \\
&:= 5^5 + (((5 - 5^5)/(5 + 5 + 5)) - 5^5/5) \\
&:= (6 \times (6 \times ((6 + 6)/6)^6) - 6 - 6) \\
&:= 7 + (((7 + 7 + 7)/7)^7 + 7 \times (7 + 7)) \\
&:= ((88 + 8)/8) \times (8 \times (8 + 8 + 8) - 8/8) \\
&:= 9 \times 9 + (((99/9 + 9) \times 999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2293 &:= (((1+1) \times ((1+1) \times (1+11)))^{1+1}) - 11 \\
&:= ((2 \times (22+2))^2) - 22/2 \\
&:= 3 + (((3 \times (3^{3+3} + 33)) + 3/3) + 3) \\
&:= 4 + (44 \times (44+4+4) + 4/4) \\
&:= 5 + (55/5 \times ((5^5 - 5)/(5+5+5))) \\
&:= (6 \times (6 \times ((6+6)/6)^6)) - 66/6 \\
&:= ((7-77)/7) + 7 \times (7 \times 7 \times 7 - 7 - 7) \\
&:= ((88+8) \times (8+8+8)) - 88/8 \\
&:= (9+9) \times 99 + (((9+9)/9)^9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2294 &:= 1 + (((1+1) \times ((1+1) \times (1+11)))^{1+1}) - 11 \\
&:= (2 \times (2 \times ((22+2)^2) - 2)) - 2 \\
&:= (3 \times ((3^{3+3} + 33) + 3)) - 3/3 \\
&:= 4 + (44 \times (44+4+4) + (4+4)/4) \\
&:= 5^5 - (((55 \times (5+5+5)) + 5/5) + 5) \\
&:= ((6+6)/6) \times ((6666/6) + 6 \times 6) \\
&:= 7 \times (7 \times 7 \times 7 - 7 - 7) - ((7+7)/7 + 7) \\
&:= 888 + (88 \times (8+8) - ((8+8)/8)) \\
&:= (9+9) \times 99 + (((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2295 &:= (11-1-1) \times (111 + (1+11))^{1+1} \\
&:= 2 + (((2 \times (22+2))^2) - 22/2) \\
&:= 3 \times ((3^{3+3} + 33) + 3) \\
&:= (4/4 + 4 + 4) \times (4^4 - 4/4) \\
&:= 5^5 - ((55 \times (5+5+5)) + 5) \\
&:= 6 \times (6 \times 66 + 6) - (666/6 + 6) \\
&:= 7 \times (7 \times 7 \times 7 - 7 - 7) - (7/7 + 7) \\
&:= 888 + (88 \times (8+8) - 8/8) \\
&:= 9 + (9 \times 9 \times (9+9+9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2296 &:= (1+1) \times (1111 + (111/(1+1+1))) \\
&:= 2 \times (2 \times ((22+2)^2) - 2) \\
&:= 3/3 + (3 \times ((3^{3+3} + 33) + 3)) \\
&:= 4 + (44 \times (44+4+4) + 4) \\
&:= 5^5 + (5/5 - ((55 \times (5+5+5)) + 5)) \\
&:= (6 \times (6 \times ((6+6)/6)^6)) - ((6+6)/6 + 6) \\
&:= 7 \times (7 \times 7 \times 7 - 7 - 7) - 7 \\
&:= 888 + 88 \times (8+8) \\
&:= (9/9 + 9 \times 9) \times ((9/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2297 &:= 111 + (((1+1+11))^{1+1+1}) - 11 \\
&:= 2/2 + (2 \times (2 \times ((22+2)^2) - 2)) \\
&:= 33/3 + (3 \times (3^{3+3} + 33)) \\
&:= 4 + ((44 \times (44+4+4) + 4/4) + 4) \\
&:= 5^5 + ((5+5)/5 - ((55 \times (5+5+5)) + 5)) \\
&:= (6 \times (6 \times ((6+6)/6)^6)) - 6/6 - 6 \\
&:= ((7 \times 7 - 7/7)^{(7+7)/7}) - 7 \\
&:= 8/8 + (88 \times (8+8) + 888) \\
&:= 99 + (9 \times 9 \times (9+9+9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2298 &:= (11 \times (11 \times (((1+1) \times (11-1)) - 1))) - 1 \\
&:= 2 + (2 \times (2 \times ((22+2)^2) - 2)) \\
&:= 3 + (3 \times ((3^{3+3} + 33) + 3)) \\
&:= 4^4 + (4^4 \times (4+4) - ((4+4)/4 + 4)) \\
&:= 5^5 - ((55 \times (5+5+5)) + ((5+5)/5)) \\
&:= (6 \times (6 \times ((6+6)/6)^6)) - 6 \\
&:= 777/7 + ((7+7+7)/7)^7 \\
&:= 888 + (88 \times (8+8) + ((8+8)/8)) \\
&:= 999/9 + 9 \times 9 \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2299 &:= 11 \times (11 \times (((1+1) \times (11-1)) - 1)) \\
&:= (22/2)^2 \times (22 - (2/2 + 2)) \\
&:= 3 \times 3^{3+3} + ((333+3)/3) \\
&:= 4 + ((4/4 + 4 + 4) \times (4^4 - 4/4)) \\
&:= 5^5 - ((55 \times (5+5+5)) + 5/5) \\
&:= 6/6 + ((6 \times (6 \times ((6+6)/6)^6)) - 6) \\
&:= 7 + (((7+7+7)/7)^7 + 7 \times (7+7) + 7) \\
&:= 88/8 \times (88/8 \times (88/8 + 8)) \\
&:= 99/9 \times ((99/9 + 99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2300 &:= (1 + (11 + 11)) \times (11 - 1)^{1+1} \\
&:= 2 \times ((2 \times (22+2))^2) - 2 \\
&:= (3/3 + 3) \times (((3 \times 3 + 3)^3 - 3)/3) \\
&:= 4^4 + (4^4 \times (4+4) - 4) \\
&:= 5^5 - (55 \times (5+5+5)) \\
&:= (6+6)/6 + ((6 \times (6 \times ((6+6)/6)^6)) - 6) \\
&:= (7/7 + 7 \times 7) \times (7 \times 7 - ((7+7+7)/7)) \\
&:= ((8 \times 8 \times (8 \times 8 + 8)) - 8)/(8+8)/8 \\
&:= (9/9 + 99) \times ((99 + 99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2301 &:= 1 + ((1 + (11 + 11)) \times (11 - 1)^{1+1}) \\
&:= ((2 \times (22+2))^2) - 2/2 - 2 \\
&:= 33 + (3 \times (3^{3+3} + 3^3)) \\
&:= 4/4 + ((4^4 \times (4+4) - 4) + 4^4) \\
&:= 5^5 + (5/5 - (55 \times (5+5+5))) \\
&:= 6 \times (6 \times 66 + 6) - 666/6 \\
&:= 7 \times (7 \times 7 \times 7 - 7 - 7) - (7+7)/7 \\
&:= 8 + (((88+8) \times (8+8+8)) - (88/8)) \\
&:= 9 \times 9 + ((99/9 + 9) \times 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2302 &:= (((1+1) \times ((1+1) \times (1+11)))^{1+1}) - 1 - 1 \\
&:= ((2 \times (22+2))^2) - 2 \\
&:= 3 + (((333+3)/3) + 3 \times 3^{3+3}) \\
&:= 4^4 + (4^4 \times (4+4) - (4+4)/4) \\
&:= 5^5 + ((5+5)/5 - (55 \times (5+5+5))) \\
&:= (6 \times (6 \times ((6+6)/6)^6)) - (6+6)/6 \\
&:= 7 \times (7 \times 7 \times 7 - 7 - 7) - 7/7 \\
&:= ((88+8) \times (8+8+8)) - (8+8)/8 \\
&:= (9 \times ((9+9)/9)^{9-9/9}) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2303 &:= (((1+1) \times ((1+1) \times (1+11)))^{1+1}) - 1 \\
&:= ((2 \times (22+2))^2) - 2/2 \\
&:= (33/3)^3 + (3^3 \times (33+3)) \\
&:= 4^4 + (4^4 \times (4+4) - 4/4) \\
&:= 5 + (((5+5)/5)^{55/5}) + 5 \times 5 \times (5+5) \\
&:= (6 \times (6 \times ((6+6)/6)^6)) - 6/6 \\
&:= 7 \times (7 \times 7 \times 7 - 7 - 7) \\
&:= ((88+8) \times (8+8+8)) - 8/8 \\
&:= 9 + ((9+9) \times 99 + (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2304 &:= ((1+1) \times ((1+1) \times (1+11)))^{1+1} \\
&:= (2 \times (22+2))^2 \\
&:= (3^3 - 3) \times (3 \times 33 - 3) \\
&:= 4^4 + 4^4 \times (4+4) \\
&:= (55 - ((5+5)/5 + 5))^{(5+5)/5} \\
&:= 6 \times (6 \times ((6+6)/6)^6) \\
&:= (7 \times 7 - 7/7)^{(7+7)/7} \\
&:= (88+8) \times (8+8+8) \\
&:= 9 \times ((9+9)/9)^{9-9/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2305 &:= 1 + (((1+1) \times ((1+1) \times (1+11)))^{1+1}) \\
&:= 2/2 + ((2 \times (22+2))^2) \\
&:= 3/3 + ((3^3 - 3) \times (3 \times 33 - 3)) \\
&:= 4/4 + (4^4 \times (4+4) + 4^4) \\
&:= 5 + (5^5 - (55 \times (5+5+5))) \\
&:= 6/6 + (6 \times (6 \times ((6+6)/6)^6)) \\
&:= 7/7 + ((7 \times 7 - 7/7)^{(7+7)/7}) \\
&:= 8/8 + ((88+8) \times (8+8+8)) \\
&:= 9/9 + (9 \times ((9+9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2306 &:= 1 + (1 + (((1+1) \times ((1+1) \times (1+11)))^{1+1})) \\
&:= 2 + ((2 \times (22+2))^2) \\
&:= 3 + ((3^3 \times (33+3)) + (33/3)^3) \\
&:= 4^4 + (4^4 \times (4+4) + (4+4)/4) \\
&:= 5 + ((5/5 - (55 \times (5+5+5))) + 5^5) \\
&:= (6+6)/6 + (6 \times (6 \times ((6+6)/6)^6)) \\
&:= 77 + (((7+7+7)/7)^7 - 7) + 7 \times 7 \\
&:= (8+8)/8 + ((88+8) \times (8+8+8)) \\
&:= (9+9)/9 + (9 \times ((9+9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2307 &:= 111 + (((1+1+11))^{1+1+1}) - 1 \\
&:= 2 + (((2 \times (22+2))^2) + 2/2) \\
&:= 3 + ((3^3 - 3) \times (3 \times 33 - 3)) \\
&:= 4 + ((4^4 \times (4+4) - 4/4) + 4^4) \\
&:= 5 + (((5+5)/5 - (55 \times (5+5+5))) + 5^5) \\
&:= 6 + (6 \times (6 \times 66 + 6) - 666/6) \\
&:= 77/7 + (7 \times (7 \times 7 \times 7 - 7 - 7) - 7) \\
&:= 888 + (88 \times (8+8) + 88/8) \\
&:= 9 + (9 \times 9 \times (9+9+9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2308 &:= 111 + ((1 + 1 + 11)^{1+1+1}) \\
&:= 2 + (((2 \times (22 + 2))^2) + 2) \\
&:= (3/3 + 3) \times (((3 \times 3 + 3)^3 + 3)/3) \\
&:= 4 + (4^4 \times (4 + 4) + 4^4) \\
&:= (5 + 5)/5 \times (((5 - 5/5)^5 + 5 \times 5 \times 5) + 5) \\
&:= 6 \times 6 \times 66 - (((6 + 6)/6) + 66) \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 7 - 7) - ((7 + 7)/7)) \\
&:= ((8 \times 8 \times (8 \times 8 + 8)) + 8)/(8 + 8)/8) \\
&:= 9 + (9 \times 9 \times (9 + 9 + 9) + ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2309 &:= ((111 - 1) \times (11 + (11 - 1))) - 1 \\
&:= 2 + (((2 \times (22 + 2))^2) + 2/2) + 2) \\
&:= ((33 \times ((3 + 3)^3 - (3 + 3))) - 3)/3 \\
&:= 4 + ((4^4 \times (4 + 4) + 4^4) + 4/4) \\
&:= 5 + ((55 - ((5 + 5)/5 + 5))^{(5+5)/5}) \\
&:= 6 \times 6 \times 66 - (66 + 6/6) \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 7 - 7) - 7/7) \\
&:= 8 + (((88 + 8) \times (8 + 8 + 8)) - (88/8) + 8) \\
&:= 9 + ((9/9 + 99) \times ((99 + 99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2310 &:= (111 - 1) \times (11 + (11 - 1)) \\
&:= 2 + (((2 \times (22 + 2))^2) + 2) + 2) \\
&:= 33 \times (((3/3 + 3)^3) + 3) + 3) \\
&:= 4 + ((4^4 \times (4 + 4) + (4 + 4)/4) + 4^4) \\
&:= 55 \times (((5 + 5)/5)^5 + 5) + 5) \\
&:= 66 \times (6 \times 6 - 6/6) \\
&:= 7 + 7 \times (7 \times 7 \times 7 - 7 - 7) \\
&:= 8 + (((88 + 8) \times (8 + 8 + 8)) - ((8 + 8)/8)) \\
&:= 99/9 \times (999/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2311 &:= 1 + ((111 - 1) \times (11 + (11 - 1))) \\
&:= (2 \times (2 \times (((22 + 2)^2) + 2))) - 2/2 \\
&:= ((33 \times ((3 + 3)^3 - (3 + 3))) + 3)/3 \\
&:= 4 + (((4^4 \times (4 + 4) - 4/4) + 4^4) + 4) \\
&:= 5^5 + (55/5 - (55 \times (5 + 5 + 5))) \\
&:= 6/6 + (66 \times (6 \times 6 - 6/6)) \\
&:= 7 + ((7 \times 7 - 7/7)^{(7+7)/7}) \\
&:= 8 + (((88 + 8) \times (8 + 8 + 8)) - 8/8) \\
&:= ((9 \times 9 - 9/9) \times (99/9 + 9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2312 &:= (1 + 1) \times ((1 + 11 \times (1 + 1 + 1))^{1+1}) \\
&:= 2 \times (2 \times (((22 + 2)^2) + 2)) \\
&:= 3 \times 3^{3+3} + ((3 - 3/3 + 3)^3) \\
&:= 4 + ((4^4 \times (4 + 4) + 4^4) + 4) \\
&:= 5^5 + (((55 + 5)/5) - (55 \times (5 + 5 + 5))) \\
&:= 6 \times 6 \times 66 - ((6 + 6)/6)^6 \\
&:= 7 + (((7 \times 7 - 7/7)^{(7+7)/7}) + 7/7) \\
&:= 8 + ((88 + 8) \times (8 + 8 + 8)) \\
&:= 9 + (((9 + 9) \times 99 + ((9 + 9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2313 &:= 1 + ((1 + 1) \times ((1 + 11 \times (1 + 1 + 1))^{1+1})) \\
&:= 2/2 + (2 \times (2 \times (((22 + 2)^2) + 2))) \\
&:= 3 \times ((3^{3+3} + 33) + 3 \times 3) \\
&:= (4/4 + 4 + 4) \times (4/4 + 4^4) \\
&:= 5 \times 5 + (55/5 \times ((5^5 - 5)/(5 + 5 + 5))) \\
&:= 6/6 + (6 \times 6 \times 66 - ((6 + 6)/6)^6) \\
&:= 77 + (((7 + 7 + 7)/7)^7 + 7 \times 7) \\
&:= 8 + (((88 + 8) \times (8 + 8 + 8)) + 8/8) \\
&:= 9 + (9 \times (((9 + 9)/9)^{9-9/9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2314 &:= (1 + 1) \times (1 + ((1 + 11 \times (1 + 1 + 1))^{1+1})) \\
&:= 2 + (2 \times (2 \times (((22 + 2)^2) + 2))) \\
&:= 3 + (((33 \times ((3 + 3)^3 - (3 + 3))) + 3)/3) \\
&:= 4/4 + ((4/4 + 4 + 4) \times (4/4 + 4^4)) \\
&:= 5 + (55 - (5 + 5)/5 + 5)^{(5+5)/5} + 5 \\
&:= 6 + (6 \times 6 \times 66 - (((6 + 6)/6) + 66)) \\
&:= 77/7 + 7 \times (7 \times 7 \times 7 - 7 - 7) \\
&:= 8 + (((88 + 8) \times (8 + 8 + 8)) + ((8 + 8)/8)) \\
&:= 9 + ((9 \times (((9 + 9)/9)^{9-9/9})) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2315 &:= 11 + (((1 + 1) \times ((1 + 1) \times (1 + 11)))^{1+1}) \\
&:= 22/2 + ((2 \times (22 + 2))^2) \\
&:= 3 + (((3 - 3/3 + 3)^3) + 3 \times 3^{3+3}) \\
&:= 4^4 + (4^4 \times (4 + 4) + 44/4) \\
&:= 5 + (55 \times (((5 + 5)/5)^5 + 5) + 5) \\
&:= 6 + (6 \times 6 \times 66 - (66 + 6/6)) \\
&:= ((7 + 7)/7)^7 + ((7 + 7 + 7)/7)^7 \\
&:= 88/8 + ((88 + 8) \times (8 + 8 + 8)) \\
&:= 99/9 + (9 \times (((9 + 9)/9)^{9-9/9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2316 &:= 1 + (11 + (((1 + 1) \times ((1 + 1) \times (1 + 11)))^{1+1})) \\
&:= 2 \times ((2 \times (((22 + 2)^2) + 2)) + 2) \\
&:= 3 + ((3 \times (3^{3+3} + 33)) + 3^3) \\
&:= ((4 + 4)^4) - (4 \times 444 + 4) \\
&:= (5 - 5/5) \times ((555 - 5/5) + 5 \times 5) \\
&:= 6 + (66 \times (6 \times 6 - 6/6)) \\
&:= 7 \times 7 \times 7 \times 7 - (7/7 + 77 + 7) \\
&:= 8 + (((8 \times 8 \times (8 \times 8 + 8)) + 8)/(8 + 8)/8) \\
&:= 9 + ((9 \times 9 \times (9 + 9 + 9) + 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2317 &:= 11^{1+1} + (((1 + 1 + 11)^{1+1+1}) - 1) \\
&:= 2 + (((2 \times (22 + 2))^2) + 22/2) \\
&:= ((3/3 + 3) + 3) \times ((333 - 3) + 3/3) \\
&:= 4 + ((4/4 + 4 + 4) \times (4/4 + 4^4)) \\
&:= ((5 + 5)/5 + 5) \times ((5 \times 55 + 55) + 5/5) \\
&:= 6 + ((66 \times (6 \times 6 - 6/6)) + 6/6) \\
&:= 7 \times 7 \times 7 \times 7 - 77 - 7 \\
&:= (88 + 8 + 8)/8 + ((88 + 8) \times (8 + 8 + 8)) \\
&:= 9 + ((9 \times 9 \times (9 + 9 + 9) + ((999 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2318 &:= 11^{1+1} + ((1 + 1 + 11)^{1+1+1}) \\
&:= 2 + (2 \times (2 \times (((22 + 2)^2) + 2)) + 2) \\
&:= 33 + ((3 \times (3^{3+3} + 33)) - 3/3) \\
&:= ((4 + 4)^4) - (4 \times 444 + (4 + 4)/4) \\
&:= 5 \times 55 + (((5 + 5)/5)^{55/5}) - 5) \\
&:= 6 + (6 \times 6 \times 66 - ((6 + 6)/6)^6) \\
&:= 7 + (((7 \times 7 - 7/7)^{(7+7)/7}) + 7) \\
&:= (88/8 + 8) \times ((888 + 88)/8) \\
&:= (9/9 + 9 + 9) \times (999 + 99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2319 &:= (111 \times (11 + (11 - 1))) - 1 - 11 \\
&:= 2 + (((2 \times (22 + 2))^2) + 22/2) + 2) \\
&:= 33 + (3 \times (3^{3+3} + 33)) \\
&:= ((4 + 4)^4) - (4 \times 444 + 4/4) \\
&:= 5555 - (555/5 + 5^5) \\
&:= 6 + ((6 \times 6 \times 66 - ((6 + 6)/6)^6) + 6/6) \\
&:= (7 + 7)/7 + (7 \times 7 \times 7 \times 7 - (77 + 7)) \\
&:= 8 + (((88 + 8) \times (8 + 8 + 8)) - 8/8) + 8) \\
&:= 9 + ((9/9) \times (999/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2320 &:= (11 - 1) \times (111 + 11^{1+1}) \\
&:= 2 \times (2 \times (((22 + 2)^2) + 2) + 2) \\
&:= 3/3 + ((3 \times (3^{3+3} + 33)) + 33) \\
&:= 4 \times (4 \times 4^4 - 444) \\
&:= (5 - 5/5) \times (555 + 5 \times 5) \\
&:= 6 \times 6 \times 66 + (((66 - 6)/6) - 66) \\
&:= 7 + (((7 + 7 + 7)/7)^7 + 77) + 7 \times 7) \\
&:= 8 + (((88 + 8) \times (8 + 8 + 8)) + 8) \\
&:= (9 \times 9 - 9/9) \times (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2321 &:= 11 \times ((1 + 1) \times 111 - 11) \\
&:= 22/2 \times (222 - 22/2) \\
&:= (33/3)^3 + (3 \times (333 - 3)) \\
&:= 4/4 + (4 \times (4 \times 4^4 - 444)) \\
&:= 5/5 + ((5 - 5/5) \times (555 + 5 \times 5)) \\
&:= 66/6 + (66 \times (6 \times 6 - 6/6)) \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 7 - 7) + (77/7)) \\
&:= 8 + (((88 + 8) \times (8 + 8 + 8)) + 8/8) + 8) \\
&:= 99 + (((9 + 9)/9) \times 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2322 &:= 1 + (11 \times ((1 + 1) \times 111 - 11)) \\
&:= 2 + (((2 \times (22 + 2))^2) + 2^{2+2}) \\
&:= 3 + ((3 \times (3^{3+3} + 33)) + 33) \\
&:= (4/4 + 4 + 4) \times ((4 + 4)/4 + 4^4) \\
&:= (55 - 5/5) \times (55 - ((55 + 5)/5)) \\
&:= 6 + ((66 \times (6 \times 6 - 6/6)) + 6) \\
&:= 7 \times 7 \times 7 \times 7 - ((7 + 7)/7 + 77) \\
&:= (8/8 + 8) \times ((8 + 8) \times (8 + 8) + ((8 + 8)/8)) \\
&:= (9 + 9) \times ((999/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2323 &:= 1 + (1 + (11 \times ((1 + 1) \times 111 - 11))) \\
&:= 2 + (22/2 \times (222 - 22/2)) \\
&:= 3 + (((3 \times (3^{3+3} + 33)) + 33) + 3/3) \\
&:= (4 \times ((4/4 + 4)^4 - 44)) - 4/4 \\
&:= 5 \times 55 + (((5 + 5)/5)^{55/5}) \\
&:= 6 \times (6 \times 66 - 6) - (66/6 + 6) \\
&:= 7 \times 7 \times 7 \times 7 - 7/7 - 77 \\
&:= 8 + (((88 + 8) \times (8 + 8 + 8)) + (88/8)) \\
&:= 9/9 + ((9 + 9) \times ((999/9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2324 &:= 1 + (1 + (1 + (11 \times ((1 + 1) \times 111 - 11)))) \\
&:= 22 + (((2 \times (22 + 2))^2) - 2) \\
&:= ((3/3 + 3) + 3) \times (333 - 3/3) \\
&:= 4 \times ((4/4 + 4)^4 - 44) \\
&:= 5^5 - ((5 \times (5 \times ((5 + 5)/5)^5)) + 5/5) \\
&:= 6 + ((6 \times 6 \times 66 - ((6 + 6)/6)^6) + 6) \\
&:= 7 \times 7 \times 7 \times 7 - 77 \\
&:= 8 + (((8 \times 8 \times (8 \times 8 + 8)) + 8)/(8 + 8/8)) + 8) \\
&:= ((9/9 + 9 + 9) + 9) \times (((9 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2325 &:= 1 + (1 + (1 + (1 + (11 \times ((1 + 1) \times 111 - 11)))))) \\
&:= 22 + (((2 \times (22 + 2))^2) - 2/2) \\
&:= 3333 - (3 \times (333 + 3)) \\
&:= 4/4 + (4 \times ((4/4 + 4)^4 - 44)) \\
&:= 5^5 - (5 \times (5 \times ((5 + 5)/5)^5)) \\
&:= ((6/6 + 6) \times 666 \times 6/(6 + 6)) - 6 \\
&:= 7/7 + (7 \times 7 \times 7 \times 7 - 77) \\
&:= 8 \times 8 + ((88/8 + 8) \times (888/8 + 8)) \\
&:= 999/9 + (9 + 9 + 9) \times (9/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2326 &:= 11 + (11 + (((1 + 1) \times ((1 + 1) \times (1 + 11)))^{1+1})) \\
&:= 22 + ((2 \times (22 + 2))^2) \\
&:= 3^3 + (((333 + 3)/3) + 3 \times 3^{3+3}) \\
&:= 4 + ((4/4 + 4 + 4) \times ((4 + 4)/4 + 4^4)) \\
&:= 5^5 + (5/5 - (5 \times (5 \times ((5 + 5)/5)^5)) \\
&:= 6 \times (6 \times 66 - 6) - ((6 + 6)/6 + 6 + 6) \\
&:= (7 + 7)/7 + (7 \times 7 \times 7 \times 7 - 77) \\
&:= 8 + ((88/8 + 8) \times ((888 + 88)/8)) \\
&:= (9 + 9) \times 99 + (((99 \times 99) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2327 &:= 111 + ((1 + 1) \times (1111 - (1 + 1 + 1))) \\
&:= 22 + (((2 \times (22 + 2))^2) + 2/2) \\
&:= 3 \times 333 + ((33/3)^3 - 3) \\
&:= (((44 \times (4^4 - 44)) - 4)/4) - 4 \\
&:= 5^5 - (((5 - (5 + 5)/5)^5) + 555) \\
&:= 6 \times (6 \times 66 - 6) - (6/6 + 6 + 6) \\
&:= 7 \times 7 \times 7 \times 7 + (((7 + 7 + 7)/7) - 77) \\
&:= 8888 - ((88/8 - 8)^8) \\
&:= 9 + ((9/9 + 9 + 9) \times (999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2328 &:= (111 \times (11 + (11 - 1))) - 1 - 1 - 1 \\
&:= 2 + (((2 \times (22 + 2))^2) + 22) \\
&:= (333 \times ((3/3 + 3) + 3)) - 3 \\
&:= 4 + (4 \times ((4/4 + 4)^4 - 44)) \\
&:= 5 + (((5 + 5)/5)^{55/5}) + 5 \times 55) \\
&:= 6 \times (6 \times 66 - 6) - 6 - 6 \\
&:= ((7 + 7 + 7)/7) \times (777 - 7/7) \\
&:= (8 + 8 + 8) \times ((8/8 + 88) + 8) \\
&:= 9 + (((99/9) \times (999/9 + 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2329 &:= (111 \times (11 + (11 - 1))) - 1 - 1 \\
&:= (222/2 \times (22 - 2/2)) - 2 \\
&:= 3/3 + ((333 \times ((3/3 + 3) + 3)) - 3) \\
&:= (((44 \times (4^4 - 44)) + 4)/4) - 4 \\
&:= 5 + (((5 + 5) \times (5 \times 5 \times 5 + 5)) + (5 - 5/5)^5) \\
&:= 6 \times (6 \times 66 - 6) - 66/6 \\
&:= 7 + (7 \times 7 \times 7 \times 7 - ((7 + 7)/7 + 77)) \\
&:= 8/8 + ((8 + 8 + 8) \times ((8/8 + 88) + 8)) \\
&:= 9 + ((9 \times 9 - 9/9) \times (99/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2330 &:= (111 \times (11 + (11 - 1))) - 1 \\
&:= 2 + (((2 \times (22 + 2))^2) + 22) + 2) \\
&:= 3 \times 333 + (33/3)^3 \\
&:= ((44 \times (4^4 - 44)) - (4 + 4))/4 \\
&:= 5 + (5^5 - (5 \times (5 \times ((5 + 5)/5)^5))) \\
&:= (6 - 66)/6 + 6 \times (6 \times 66 - 6) \\
&:= 7 + (7 \times 7 \times 7 \times 7 - (7/7 + 77)) \\
&:= 8 + ((8/8 + 8) \times ((8 + 8) \times (8 + 8) + ((8 + 8)/8))) \\
&:= 999 + (99/9)^{(9+9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2331 &:= 111 \times (11 + (11 - 1)) \\
&:= 222/2 \times (22 - 2/2) \\
&:= 333 \times ((3/3 + 3) + 3) \\
&:= ((44 \times (4^4 - 44)) - 4)/4 \\
&:= 555/5 \times ((55/5 + 5) + 5) \\
&:= (6/6 + 6) \times 666 \times 6/(6 + 6) \\
&:= 7 + (7 \times 7 \times 7 \times 7 - 77) \\
&:= (8 \times 8 - 8/8) \times 888/(8 + 8 + 8) \\
&:= 9 \times (9 \times (9 + 9) + 99) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2332 &:= 1 + (111 \times (11 + (11 - 1))) \\
&:= 22 \times ((2 \times 2 \times (22 + 2 + 2)) + 2) \\
&:= 3/3 + (333 \times ((3/3 + 3) + 3)) \\
&:= 44 \times (4^4 - 44)/4 \\
&:= (5 + 5)/5 \times (5555/5 + 55) \\
&:= 6 \times (6 \times 66 - 6) - ((6 + 6)/6 + 6) \\
&:= 7 + (7 \times 7 \times 7 \times 7 - 77 + 7/7) \\
&:= (88/((8 + 8)/8)) \times (8 \times 8 - 88/8) \\
&:= 9/9 + (9 \times (9 \times (9 + 9) + 99) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2333 &:= 111 + ((1 + 1) \times 1111) \\
&:= 222/2 + 2222 \\
&:= 3 + (3 \times 333 + (33/3)^3) \\
&:= ((44 \times (4^4 - 44)) + 4)/4 \\
&:= 5 + (((5 + 5)/5)^{55/5}) + 5 \times 55) + 5) \\
&:= 6 \times (6 \times 66 - 6) - 6/6 - 6 \\
&:= 7 + ((7 \times 7 \times 7 \times 7 - 77) + ((7 + 7)/7)) \\
&:= ((8 + 8) \times (8 \times 8 + 88)) - (88/8 + 88) \\
&:= 9 + (((9/9 + 9 + 9) + 9) \times (((9 + 9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2334 &:= 1 + (111 + ((1 + 1) \times 1111)) \\
&:= 22 + (2 \times (2 \times (((22 + 2)^2) + 2))) \\
&:= 3 + (333 \times ((3/3 + 3) + 3)) \\
&:= (((44 \times (4^4 - 44)) + 4) + 4)/4 \\
&:= 5^5 - ((555 + 5^5)/5 + 55) \\
&:= 6 \times (6 \times 66 - 6) - 6 \\
&:= 7 \times (7 + 7 + 7) + ((7 + 7 + 7)/7)^7 \\
&:= ((8 + 8)/8) \times ((8888/8 - 8) + 8 \times 8) \\
&:= (9999/((9 + 9 + 9)/9)) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2335 &:= 111 + ((1 + 1) \times (1 + 1111)) \\
&:= 2 + (222/2 + 2222) \\
&:= 3 + ((333 \times ((3/3 + 3) + 3)) + 3/3) \\
&:= 4 + (((44 \times (4^4 - 44)) - 4)/4) \\
&:= 5 + ((5^5 - (5 \times (5 \times ((5 + 5)/5)^5))) + 5) \\
&:= 6/6 + (6 \times (6 \times 66 - 6) - 6) \\
&:= 77/7 + (7 \times 7 \times 7 \times 7 - 77) \\
&:= 8 + (8888 - ((88/8 - 8)^8)) \\
&:= 9 + (((99 \times 99) - 9)/(9 + 9)) + (9 + 9) \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2336 &:= 1 + (111 + ((1 + 1) \times (1 + 1111))) \\
&:= (2 \times 22)^2 + (22 - 2)^2 \\
&:= (33 - 3/3) \times (((3 + 3)^3 + 3)/3) \\
&:= 4^4 + (4 + 4) \times (4^4 + 4) \\
&:= 5 + (555/5 \times ((55/5 + 5) + 5)) \\
&:= (6 + 6)/6 + (6 \times (6 \times 66 - 6) - 6) \\
&:= (7/7 + 7) \times (7 \times (7 \times 7 - 7) - ((7 + 7)/7)) \\
&:= 8 + ((8 + 8 + 8) \times ((8/8 + 88) + 8)) \\
&:= 9 \times (9 \times (9 + 9) + 99) - ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2337 &:= 111 + ((1 + 1) \times (1 + (1 + 1111))) \\
&:= 2 + 222/2 + 2222 + 2 \\
&:= ((3^3 + 3) \times (3 \times 3^3 - 3)) - 3 \\
&:= (((4 - 4/4) + 4)^4) - 4 \times 4 \times 4 \\
&:= 5 + ((5 + 5)/5 \times (5555/5 + 55)) \\
&:= 6 \times (6 \times 66 - 6) - 6 \times 6/(6 + 6) \\
&:= 7 \times (7 \times 7 \times 7 - 7) - (7/7 + 7 + 7) \\
&:= ((8 - 8/8)^{8 \times 8/(8 + 8)}) - 8 \times 8 \\
&:= 9 \times (9 \times (9 + 9) + 99) - (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2338 &:= 1 + (111 + ((1 + 1) \times (1 + (1 + 1111)))) \\
&:= 222 + (2 \times 22 + 2)^2 \\
&:= ((3/3 + 3) + 3) \times (333 + 3/3) \\
&:= ((4 - 4^4)/4) + (((4 - 4/4) + 4)^4) \\
&:= (5 + 5)/5 \times (((5^5 - 55)/5) + 555) \\
&:= 6 \times (6 \times 66 - 6) - (6 + 6)/6 \\
&:= 7 \times (7 \times 7 \times 7 - 7) - (7 + 7) \\
&:= 8/8 + (((8 - 8/8)^{8 \times 8/(8+8)}) - 8 \times 8) \\
&:= 9 \times (9 \times (9 + 9) + 99) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2339 &:= 111 + ((1 + 1) \times (1 + (1 + (1 + 1111)))) \\
&:= 2/2 + ((2 \times 22 + 2)^2 + 222) \\
&:= (33/3)^3 + (3 \times (333 + 3)) \\
&:= (4^4 + 4) \times (4/4 + 4 + 4) - 4/4 \\
&:= 5^5 + (((5^5 - 5/5)/(5/5 - 5)) - 5) \\
&:= 6 \times (6 \times 66 - 6) - 6/6 \\
&:= 7/7 + (7 \times (7 \times 7 \times 7 - 7) - (7 + 7)) \\
&:= 8 + ((8 \times 8 - 8/8) \times 888/(8 + 8 + 8)) \\
&:= 9 \times (9 \times (9 + 9) + 99) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2340 &:= (11 - 1) \times (1 + (11 + (1 + 1) \times 111)) \\
&:= 2 + ((2 \times 22 + 2)^2 + 222) \\
&:= (3^3 + 3) \times (3 \times 3^3 - 3) \\
&:= (4^4 + 4) \times (4/4 + 4 + 4) \\
&:= 5^5 + (((5^5 - 5)/(5/5 - 5)) - 5) \\
&:= 6 \times (6 \times 66 - 6) \\
&:= 7 \times (7 \times 7 \times 7 - 7) - (77 + 7)/7 \\
&:= (8/8 + 8) \times ((8 \times 8 \times 8 + 8)/(8 + 8/8)) \\
&:= 9 \times (9 \times (9 + 9) + 99) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2341 &:= 11 + ((111 \times (11 + (11 - 1))) - 1) \\
&:= (22/2)^2 + (2222 - 2) \\
&:= 3/3 + ((3^3 + 3) \times (3 \times 3^3 - 3)) \\
&:= 4 + (((4 - 4/4) + 4)^4) - 4 \times 4 \times 4 \\
&:= 5^5 + ((55/5 + 5^5)/(5/5 - 5)) \\
&:= 6/6 + 6 \times (6 \times 66 - 6) \\
&:= 7 \times (7 \times 7 \times 7 - 7) - 77/7 \\
&:= ((88 - 8/8) \times (88/8 + 8 + 8)) - 8 \\
&:= 9/9 + (9 \times (9 \times (9 + 9) + 99) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2342 &:= 11 + (111 \times (11 + (11 - 1))) \\
&:= 2 + (((2 \times 22 + 2)^2 + 222) + 2) \\
&:= ((33 \times ((3 + 3)^3 - 3)) - 3)/3 \\
&:= 4 + (((4 - 4/4) + 4)^4) + ((4 - 4^4)/4) \\
&:= 5^5 + (((5 + 5)/5 + 5^5) + 5)/(5/5 - 5) \\
&:= (6 + 6)/6 + 6 \times (6 \times 66 - 6) \\
&:= ((7 - 77)/7) + 7 \times (7 \times 7 \times 7 - 7) \\
&:= ((8 + 8) \times (8 \times 8 + 88)) - ((8 + 8)/8 + 88) \\
&:= (9 + 9)/9 + (9 \times (9 \times (9 + 9) + 99) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2343 &:= 11 \times (((1 + 1) \times (1 + 111)) - 11) \\
&:= (22/2)^2 + 2222 \\
&:= 33 \times (((3 + 3)^3 - 3)/3) \\
&:= 44/4 \times ((4/4 - 44) + 4^4) \\
&:= 55/5 \times (((5^5 - 5)/(5 + 5 + 5)) + 5) \\
&:= (6 \times 6/(6 + 6)) + 6 \times (6 \times 66 - 6) \\
&:= 7 \times (7 \times 7 \times 7 - 7) - ((7 + 7)/7 + 7) \\
&:= ((8 + 8) \times (8 \times 8 + 88)) - (8/8 + 88) \\
&:= 99/9 \times ((9 + 9) \times (9 + 9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2344 &:= 1 + (11 \times (((1 + 1) \times (1 + 111)) - 11)) \\
&:= 2 \times (((2 \times (22 + 2)^2) - 2) + 22) \\
&:= ((33 \times ((3 + 3)^3 - 3)) + 3)/3 \\
&:= 4 + (4^4 + 4) \times (4/4 + 4 + 4) \\
&:= 5^5 + (((5^5 - 5/5)/(5/5 - 5)) - 5) \\
&:= 6 + (6 \times (6 \times 66 - 6) - ((6 + 6)/6)) \\
&:= 7 \times (7 \times 7 \times 7 - 7) - (7/7 + 7) \\
&:= ((8 + 8) \times (8 \times 8 + 88)) - 88 \\
&:= ((9 - 99)/(9 + 9)) + 9 \times (9 \times (9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2345 &:= 11^{1+1} + ((1 + 1) \times (1 + 1111)) \\
&:= 2 + ((22/2)^2 + 2222) \\
&:= 3 + (((33 \times ((3 + 3)^3 - 3)) - 3)/3) \\
&:= 4 + (((4 - 4/4) + 4)^4) - 4 \times 4 \times 4 + 4 \\
&:= 5 \times ((5 - 5/5)^5 - 555) \\
&:= 6 + (6 \times (6 \times 66 - 6) - 6/6) \\
&:= 7 \times (7 \times 7 \times 7 - 7) - 7 \\
&:= 8 + (((8 - 8/8)^{8 \times 8/(8+8)}) - 8 \times 8) \\
&:= (9 - ((9 + 9)/9)) \times ((9 + 9) \times (9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2346 &:= 1 + (11^{1+1} + ((1 + 1) \times (1 + 1111))) \\
&:= 2 \times 22 + (((2 \times (22 + 2)^2) - 2) - 2) \\
&:= 3 + (33 \times (((3 + 3)^3 - 3)/3)) \\
&:= (((4 - 4/4) + 4)^4) - 44/4 - 44 \\
&:= (((5 + 5)/5 + 5)^{5-5/5}) - 55 \\
&:= 6 + 6 \times (6 \times 66 - 6) \\
&:= 7/7 + (7 \times (7 \times 7 \times 7 - 7) - 7) \\
&:= (8 + 8)/8 + (((8 + 8) \times (8 \times 8 + 88)) - 88) \\
&:= 9 \times (9 \times (9 + 9) + 99) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2347 &:= 11^{1+1} + ((1 + 1) \times (1 + (1 + 1111))) \\
&:= 2 + (((22/2)^2 + 2222) + 2) \\
&:= 3 + (((33 \times ((3 + 3)^3 - 3)) + 3)/3) \\
&:= 4 + (44/4 \times ((4/4 - 44) + 4^4)) \\
&:= 5^5 + (((5^5 - 5)/(5/5 - 5)) + ((5 + 5)/5)) \\
&:= 6 + (6 \times (6 \times 66 - 6) + 6/6) \\
&:= (7 + 7)/7 + (7 \times (7 \times 7 \times 7 - 7) - 7) \\
&:= ((8 \times (8 - 888)) - 8/8)/(8 - 88/8) \\
&:= 9 \times (9 \times (9 + 9) + 99) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2348 &:= (1 + 1)^{11} + ((1 + 1 + 1) \times (11 - 1)^{1+1}) \\
&:= 2 \times ((2 \times ((22 + 2)^2) + 22) \\
&:= (3^3 \times (3 \times 3^3 + 3 + 3)) - 3/3 \\
&:= 44 + (4^4 \times (4 + 4) + 4^4) \\
&:= 5^5 - (((5 + 5)/5 + 5) \times 555/5) \\
&:= 6 + (6 \times (6 \times 66 - 6) + ((6 + 6)/6)) \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 7) - (77/7)) \\
&:= ((8 \times 8 \times (8 \times 8 + 8)) + 88)/((8 + 8)/8) \\
&:= 9 \times (9 \times (9 + 9) + 99) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2349 &:= ((1 + 111) \times (11 + (11 - 1))) - 1 - 1 - 1 \\
&:= 2/2 + (((2 \times (22 + 2)^2) + 2 \times 22) \\
&:= 3^3 \times (3 \times 3^3 + 3 + 3) \\
&:= (4/4 + 4 + 4) \times ((4/4 + 4^4) + 4) \\
&:= 5 + (((5^5 - 5/5)/(5/5 - 5)) + 5^5) \\
&:= 6 + (6 \times (6 \times 66 - 6) + (6 \times 6/(6 + 6))) \\
&:= 7 \times (7 \times 7 \times 7 - 7) - (7 + 7 + 7)/7 \\
&:= (88 - 8/8) \times (88/8 + 8 + 8) \\
&:= 9 \times (9 \times (9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2350 &:= (11 - 1) \times (11 + ((1 + 1) \times (1 + 111))) \\
&:= 2 + (((2 \times (22 + 2)^2) + 2 \times 22) \\
&:= 3/3 + (3^3 \times (3 \times 3^3 + 3 + 3)) \\
&:= (4444 + 4^4)/((4 + 4)/4) \\
&:= 5 \times ((5 \times (5 \times (5 \times 5 - 5) - 5)) - 5) \\
&:= ((66 - 6)/6) + 6 \times (6 \times 66 - 6) \\
&:= 7 \times (7 \times 7 \times 7 - 7) - (7 + 7)/7 \\
&:= ((8 + 8)/8) \times (8888/8 + 8 \times 8) \\
&:= 9/9 + 9 \times (9 \times (9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2351 &:= ((1 + 111) \times (11 + (11 - 1))) - 1 \\
&:= 2222 + ((2^{2 \times (2+2)} + 2)/2) \\
&:= (((3 \times 3^3 + 3)^{3-3/3}) - 3)/3 \\
&:= 44/4 + (4^4 + 4) \times (4/4 + 4 + 4) \\
&:= 5 + (((5 + 5)/5 + 5)^{5-5/5}) - 55 \\
&:= 66/6 + 6 \times (6 \times 66 - 6) \\
&:= 7 \times (7 \times 7 \times 7 - 7) - 7/7 \\
&:= 8 + (((8 + 8) \times (8 \times 8 + 88)) - (8/8 + 88)) \\
&:= (9 + 9)/9 + 9 \times (9 \times (9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2352 &:= (1 + 111) \times (11 + (11 - 1)) \\
&:= 2 \times (((2 \times (22 + 2)^2) + 22) + 2) \\
&:= 3 + (3^3 \times (3 \times 3^3 + 3 + 3)) \\
&:= ((4 + 4) + 4) \times ((4 \times (44 + 4)) + 4) \\
&:= (55 + 5/5) \times (((5 + 5)/5)^5 + 5) + 5 \\
&:= 6 + (6 \times (6 \times 66 - 6) + 6) \\
&:= 7 \times (7 \times 7 \times 7 - 7) \\
&:= 8 + (((8 + 8) \times (8 \times 8 + 88)) - 88) \\
&:= ((9 + 9 + 9)/9) + 9 \times (9 \times (9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2353 &:= 1 + ((1 + 111) \times (11 + (11 - 1))) \\
&:= 22 + (222/2 \times (22 - 2/2)) \\
&:= (((3 \times 3^3 + 3)^{3-3/3}) + 3)/3 \\
&:= (((4 - 4/4) + 4)^4) - (44 + 4) \\
&:= 5 + (((5 + 5)/5)^{55/5}) + (5 \times (55 + 5)) \\
&:= 6 + ((6 \times (6 \times 66 - 6) + 6/6) + 6) \\
&:= 7/7 + 7 \times (7 \times 7 \times 7 - 7) \\
&:= 8 + (((8 - 8/8)^{8 \times 8/(8+8)}) - 8 \times 8) + 8 \\
&:= (9 \times 9 - 9)/(9 + 9) + 9 \times (9 \times (9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2358 &:= (1 + 1) \times ((11 - 1 - 1) \times ((11 \times (1 + 11)) - 1)) \\
&:= 22^2/2 + (2 \times 22 + 2)^2 \\
&:= 3 \times ((33 \times (3^3 - 3)) - (3 + 3)) \\
&:= 4/4 + (((4 - 4/4) + 4)^4) - 44 \\
&:= (5 + 5)/5 \times ((5^5 - 5)/5 + 555) \\
&:= 6 \times 6 \times 66 - 6 - 6 - 6 \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 7) - 7/7) \\
&:= 8 + (((8 + 8)/8) \times (8888/8 + 8 \times 8)) \\
&:= 9 + 9 \times (9 \times (9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2363 &:= 11 + ((1 + 111) \times (11 + (11 - 1))) \\
&:= 22 + ((2222 - 2) + (22/2)^2) \\
&:= 33 + (3 \times 333 + (33/3)^3) \\
&:= 4^4 + (44 \times (44 + 4) - (4/4 + 4)) \\
&:= 5 + ((5 + 5)/5 \times ((5^5 - 5)/5 + 555)) \\
&:= 6 \times 6 \times 66 - (6/6 + 6 + 6) \\
&:= 77/7 + 7 \times (7 \times 7 \times 7 - 7) \\
&:= (8/8 + 8 + 8) \times (8 \times (8 + 8) + (88/8)) \\
&:= 9 + (((99 - 9/9) + 9) \times ((99 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2354 &:= 1 + (1 + ((1 + 111) \times (11 + (11 - 1)))) \\
&:= 22 \times (222/2 - (2 + 2)) \\
&:= 33/3 \times (((3 + 3)^3 - 3) + 3/3) \\
&:= 4 + ((4444 + 4^4)/((4 + 4)/4)) \\
&:= 5 + (((5^5 - 5/5)/(5/5 - 5) + 5^5) + 5) \\
&:= 66/6 \times (6 \times 6 \times 6 - (6 + 6)/6) \\
&:= (7 + 7)/7 + 7 \times (7 \times 7 \times 7 - 7) \\
&:= 88/8 \times ((8 \times (8 + 8) - ((8 + 8)/8)) + 88) \\
&:= ((99 - 9/9) + 9) \times ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2359 &:= 1 + ((1 + 1) \times ((11 - 1 - 1) \times ((11 \times (1 + 11)) - 1))) \\
&:= (22^2 + 2)/2 + (2 \times 22 + 2)^2 \\
&:= 3/3 + (3 \times ((33 \times (3^3 - 3)) - (3 + 3))) \\
&:= 4 + (((44/4)^{4-4/4}) + 4 \times 4^4) \\
&:= 55 + ((55 - ((5 + 5)/5 + 5))^{(5+5)/5}) \\
&:= 6 \times 6 \times 66 - (66/6 + 6) \\
&:= 7 + 7 \times (7 \times 7 \times 7 - 7) \\
&:= 8 \times 8 + ((88 \times (8 + 8) - 8/8) + 888) \\
&:= 9 + (9 \times (9 \times (9 + 9) + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2364 &:= (1 + 11) \times (1 + (1 + 1 + 1 + 11)^{1+1}) \\
&:= 2 \times ((2 \times (((22 + 2)^2) + 2) + 2) + 22) \\
&:= (3 \times ((33 \times (3^3 - 3)) - 3)) - 3 \\
&:= 4^4 + (44 \times (44 + 4) - 4) \\
&:= 5^5 - ((555 + 5^5)/5 + 5 \times 5) \\
&:= 6 \times 6 \times 66 - 6 - 6 \\
&:= (77 + 7)/7 + 7 \times (7 \times 7 \times 7 - 7) \\
&:= 8 \times 8 + (((8 \times 8 \times (8 \times 8 + 8)) - 8)/(8 + 8)/8) \\
&:= ((99 + 9)/9) \times ((99 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2355 &:= 11^{1+1+1} + (1 + 1)^{11-1} \\
&:= 22 + (222/2 + 2222) \\
&:= 3 + ((3^3 \times (3 \times 3^3 + 3 + 3)) + 3) \\
&:= 4 \times 4^4 + ((44/4)^{4-4/4}) \\
&:= 5 + (5 \times ((5 \times (5 \times (5 \times 5 - 5) - 5) - 5) - 5)) \\
&:= 6 \times 6 \times 66 + ((6 - (66 + 66))/6) \\
&:= (7 + 7 + 7)/7 + 7 \times (7 \times 7 \times 7 - 7) \\
&:= 88/8 + (((8 + 8) \times (8 \times 8 + 88)) - 88) \\
&:= 9 + (9 \times (9 \times (9 + 9) + 99) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2360 &:= (1 + 1) \times ((11 - 1) \times (11^{1+1} - (1 + 1 + 1))) \\
&:= 2 + ((2 \times 22 + 2)^2 + 22^2/2) \\
&:= 33/3 + (3^3 \times (3 \times 3^3 + 3 + 3)) \\
&:= (44 - 4) \times (((4^4 - 4)/4) - 4) \\
&:= (5 + 5) \times (555/5 + 5 \times 5 \times 5) \\
&:= (6 - 66)/6 + (6 \times 6 \times 66 - 6) \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 7) + 7/7) \\
&:= 8 \times 8 + (88 \times (8 + 8) + 888) \\
&:= 99/9 + 9 \times (9 \times (9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2365 &:= 11 \times (((1 + 1) \times (1 + 1 + 111)) - 11) \\
&:= 22 + ((22/2)^2 + 2222) \\
&:= 33/3 \times ((3 + 3)^3 - 3/3) \\
&:= 4 + (((4 - 4/4) + 4)^4) - 44 + 4 \\
&:= 55 \times (55 - ((55 + 5)/5)) \\
&:= 6 \times 6 \times 66 - 66/6 \\
&:= 7 + ((7 \times (7 \times 7 \times 7 - 7) - 7/7) + 7) \\
&:= 88/8 \times ((8 \times (8 + 8) - 8/8) + 88) \\
&:= 99/9 \times (((9 + 9) \times (99 + 9) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2356 &:= 1 + (11^{1+1+1} + (1 + 1)^{11-1}) \\
&:= 2 + (22 \times (222/2 - (2 + 2))) \\
&:= 3 + (((3 \times 3^3 + 3)^{3-3/3}) + 3)/3 \\
&:= ((4 + 4) \times (44 + 4^4)) - 44 \\
&:= (5 - 5/5) \times (((5^5 - 55)/5) - 5 \times 5) \\
&:= 6 + (6 \times (6 \times 66 - 6) + ((66 - 6)/6)) \\
&:= 77/7 + (7 \times (7 \times 7 \times 7 - 7) - 7) \\
&:= 8 + (((8 \times 8 \times (8 \times 8 + 8)) + 88)/(8 + 8)/8) \\
&:= 9 + (9 \times (9 \times (9 + 9) + 99) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2361 &:= 1 + ((1 + 1) \times ((11 - 1) \times (11^{1+1} - (1 + 1 + 1)))) \\
&:= 2 + ((22^2 + 2)/2 + (2 \times 22 + 2)^2) \\
&:= 3 + (3 \times ((33 \times (3^3 - 3)) - (3 + 3))) \\
&:= 4 + (((4 - 4/4) + 4)^4) - 44 \\
&:= 5^5/5 + (5555 + 5^5)/5 \\
&:= 6 \times 6 \times 66 + (6 - 6 \times 6)/(6 + 6)/6 \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 7) + ((7 + 7)/7)) \\
&:= 8/8 + ((88 \times (8 + 8) + 888) + 8 \times 8) \\
&:= ((99 + 9)/9) + 9 \times (9 \times (9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2366 &:= (1 + 11)^{1+1} + ((1 + 1) \times 1111) \\
&:= 2222 + ((2 \times (2 + 2 + 2))^2) \\
&:= (3 \times ((33 \times (3^3 - 3)) - 3)) - 3/3 \\
&:= 4^4 + (44 \times (44 + 4) - (4 + 4)/4) \\
&:= 5/5 + (55 \times (55 - ((55 + 5)/5))) \\
&:= (6 - 66)/6 + 6 \times 6 \times 66 \\
&:= 7 + 7 \times (7 \times 7 \times 7 - 7) + 7 \\
&:= 8 \times 8 + (((88 + 8) \times (8 + 8 + 8)) - ((8 + 8)/8)) \\
&:= 9 + ((9 \times (9 \times (9 + 9) + 99) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2357 &:= 1 + (1 + (11^{1+1+1} + (1 + 1)^{11-1})) \\
&:= (22^2 - 2)/2 + (2 \times 22 + 2)^2 \\
&:= 3 + (33/3 \times (((3 + 3)^3 - 3) + 3/3)) \\
&:= (((4 - 4/4) + 4)^4) - 44 \\
&:= 5^5 + (((5 + 5)/5)^5 \times (5/5 - 5 \times 5)) \\
&:= 6 + (6 \times (6 \times 66 - 6) + (66/6)) \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 7) - ((7 + 7)/7)) \\
&:= 8 + ((88 - 8/8) \times (88/8 + 8 + 8)) \\
&:= 9 + (9 \times (9 \times (9 + 9) + 99) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2362 &:= 11 + (((1 + 111) \times (11 + (11 - 1))) - 1) \\
&:= 2 + (2 \times 22 + 2)^2 + 22^2/2 + 2 \\
&:= (33/3 \times ((3 + 3)^3 - 3/3)) - 3 \\
&:= 4 + (((4 - 4/4) + 4)^4) - 44 + 4/4 \\
&:= (5 + 5)/5 \times ((5^5 + 5)/5 + 555) \\
&:= 6 \times 6 \times 66 - ((6 + 6)/6 + 6 + 6) \\
&:= ((77 - 7)/7) + 7 \times (7 \times 7 \times 7 - 7) \\
&:= 8 + (88/8 \times ((8 \times (8 + 8) - ((8 + 8)/8)) + 88)) \\
&:= ((99 + 9 + 9)/9) + 9 \times (9 \times (9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2367 &:= 1 + ((1 + 11)^{1+1} + ((1 + 1) \times 1111)) \\
&:= 2 + (((22/2)^2 + 2222) + 22) \\
&:= 3 \times ((33 \times (3^3 - 3)) - 3) \\
&:= 4^4 + (44 \times (44 + 4) - 4/4) \\
&:= 5 + ((5 + 5)/5 \times ((5^5 + 5)/5 + 555)) \\
&:= 6 \times 6 \times 66 + (((6 - 66) + 6)/6) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 - 7) + 7/7) + 7) \\
&:= 8 \times 8 + (((88 + 8) \times (8 + 8 + 8)) - 8/8) \\
&:= 9 + (9 \times (9 \times (9 + 9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2368 &:= ((1+1)^{1+1}) - ((1+11)^{1+1+1}) \\
&:= 2 \times (2 \times ((22+2)^2) + 2^{2+2}) \\
&:= 3 + (33/3 \times ((3+3)^3 - 3/3)) \\
&:= 4^4 + 44 \times (44+4) \\
&:= ((5+5)/5)^5 \times ((5 \times (5+5+5)) - 5/5) \\
&:= (6 \times 6 + 6/6) \times ((6+6)/6)^6 \\
&:= 7 + ((7 \times (7 \times 7 \times 7 - 7) + ((7+7)/7)) + 7) \\
&:= 8 \times (8 \times 888/(8+8+8)) \\
&:= 9 + ((9 \times (9 \times (9+9) + 99) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2369 &:= 1 + (((1+1)^{1+1}) - ((1+11)^{1+1+1})) \\
&:= 2/2 + (((2 \times (22+2))^2) + 2^{2+2+2}) \\
&:= (((33 \times (3+3)^3) - 3)/3) - 3 - 3 \\
&:= (((4-4/4) + 4)^4) - 4 \times (4+4) \\
&:= 5^5 - ((5 \times 5 \times (5 \times 5 + 5) + 5/5) + 5) \\
&:= 6 \times 6 \times 66 - 6/6 - 6 \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 7) + ((77-7)/7)) \\
&:= 8/8 + (((88+8) \times (8+8+8)) + 8 \times 8) \\
&:= 9 + (9 \times (9 \times (9+9) + 99) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2370 &:= (11-1) \times (11 + ((1+1) \times (1+1+11))) \\
&:= (2 \times (2+2+2)^{2+2}) - 222 \\
&:= 3 + (3 \times ((33 \times (3^3 - 3)) - 3)) \\
&:= 4/4 + (((4-4/4) + 4)^4) - 4 \times (4+4) \\
&:= 5^5 - (5 \times 5 \times (5 \times 5 + 5) + 5) \\
&:= 6 \times 6 \times 66 - 6 \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 7) + (77/7)) \\
&:= 8 \times 8 + (((88+8) \times (8+8+8)) + ((8+8)/8)) \\
&:= 9 + (9 \times (9 \times (9+9) + 99) + ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2371 &:= ((11 + (11-1)) \times (1+1+11)) - 1 - 1 \\
&:= ((22-2/2) \times (222/2+2)) - 2 \\
&:= (((33 \times (3+3)^3) + 3)/3) - 3 - 3 \\
&:= 4 + ((44 \times (44+4) - 4/4) + 4^4) \\
&:= 5^5 + (5/5 - (5 \times 5 \times (5 \times 5 + 5) + 5)) \\
&:= 6/6 + (6 \times 6 \times 66 - 6) \\
&:= 7 + (7 \times (7 \times 7 \times 7 - 7) + (77+7)/7) \\
&:= 8 + ((8/8+8+8) \times (8 \times (8+8) + (88/8))) \\
&:= ((99+99)/9) + 9 \times (9 \times (9+9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2372 &:= ((11 + (11-1)) \times (1+1+11)) - 1 \\
&:= 2 \times ((2 \times (22^2 - 2)) + 222) \\
&:= (((33 \times (3+3)^3) - 3)/3) - 3 \\
&:= 4 + (44 \times (44+4) + 4^4) \\
&:= (5-5/5) \times (5^5/5 - ((5+5)/5)^5) \\
&:= (6+6)/6 + (6 \times 6 \times 66 - 6) \\
&:= 7 \times (7 \times 7 \times 7 + 7) - 7/7 - 77 \\
&:= ((8 \times 8 \times 88) - 888)/(8+8)/8 \\
&:= (9+9) \times (9+9) + (((9+9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2373 &:= (11 + (11-1)) \times (1+1+11) \\
&:= (22-2/2) \times (222/2+2) \\
&:= (3 \times (33 \times (3^3 - 3))) - 3 \\
&:= 4 + (((4-4/4) + 4)^4) - 4 \times (4+4) \\
&:= 5^5 - (5 \times 5 \times (5 \times 5 + 5) + ((5+5)/5)) \\
&:= 6 \times 6 \times 66 - 6 \times 6/(6+6) \\
&:= 7 \times (7 \times 7 \times 7 + 7) - 77 \\
&:= 8 + (88/8 \times ((8 \times (8+8) - 8/8) + 88)) \\
&:= ((99 \times (9 \times 9 - 9)) - 9)/(9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2374 &:= 1 + ((11 + (11-1)) \times (1+1+11)) \\
&:= 22 \times ((222-2)/2-2) - 2 \\
&:= (((33 \times (3+3)^3) + 3)/3) - 3 \\
&:= (((4-4/4) + 4)^4) - (44/4+4 \times 4) \\
&:= 5^5 - (5 \times 5 \times (5 \times 5 + 5) + 5/5) \\
&:= 6 \times 6 \times 66 - (6+6)/6 \\
&:= 7/7 + (7 \times (7 \times 7 \times 7 + 7) - 77) \\
&:= (88 \times (88/8+8+8)) - (8+8)/8 \\
&:= ((9+9)/9) \times (((99 \times (99+9)) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2375 &:= ((1+1) \times (11 \times (111-1-1-1))) - 1 \\
&:= 2 + ((22-2/2) \times (222/2+2)) \\
&:= ((33 \times (3+3)^3) - 3)/3 \\
&:= ((44 \times (4^4 - 44 + 4) - 4)/4) \\
&:= 5 \times (5 \times (5 \times (5 \times 5 - 5) - 5)) \\
&:= 6 \times 6 \times 66 - 6/6 \\
&:= (7+7)/7 + (7 \times (7 \times 7 \times 7 + 7) - 77) \\
&:= (88 \times (88/8+8+8)) - 8/8 \\
&:= 9 \times 9 + ((9+9) \times 99 + (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2376 &:= (1+1) \times (11 \times (111-1-1-1)) \\
&:= 22 \times ((222-2)/2-2) \\
&:= 3 \times (33 \times (3^3 - 3)) \\
&:= 44 \times ((44-4)/4+44) \\
&:= 5^5 + (5/5 - 5 \times 5 \times (5 \times 5 + 5)) \\
&:= 6 \times 6 \times 66 \\
&:= 7 \times 7 \times 7 \times 7 - (77/7+7+7) \\
&:= 88 \times (88/8+8+8) \\
&:= 999 + 9 \times (9 \times (9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2377 &:= 1 + ((1+1) \times (11 \times (111-1-1-1))) \\
&:= (2 \times 22)^2 + ((22-2/2)^2) \\
&:= ((33 \times (3+3)^3) + 3)/3 \\
&:= (((4-4/4) + 4)^4) - ((4 \times 4 + 4) + 4) \\
&:= 5^5 + ((5+5)/5 - 5 \times 5 \times (5 \times 5 + 5)) \\
&:= 6/6 + 6 \times 6 \times 66 \\
&:= 7 + ((7 \times (7 \times 7 \times 7 - 7) + (77/7)) + 7) \\
&:= 8/8 + (88 \times (88/8+8+8)) \\
&:= 9/9 + (9 \times (9 \times (9+9) - 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2378 &:= (1+1) \times (1 + (11 \times (111-1-1-1))) \\
&:= 2 + 22 \times ((222-2)/2-2) \\
&:= 3 + (((33 \times (3+3)^3) - 3)/3) \\
&:= 444 + (44 \times 44 - (4+4)/4) \\
&:= 5^5 - (((555+55) + 5^5)/5) \\
&:= (6+6)/6 + 6 \times 6 \times 66 \\
&:= 7 \times 7 \times 7 \times 7 - (((7+7)/7+7) + 7) + 7) \\
&:= (8+8)/8 + (88 \times (88/8+8+8)) \\
&:= (9/9+9 \times 9) \times (99/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2379 &:= 1 + ((1+1) \times (1 + (11 \times (111-1-1-1)))) \\
&:= (((2/2+2+2) + 2)^{2+2}) - 22 \\
&:= 3 + (3 \times (33 \times (3^3 - 3))) \\
&:= 444 + (44 \times 44 - 4/4) \\
&:= 5 + ((5 \times (5 \times 55 - 5)) + (5-5/5)^5) \\
&:= 6 \times 6 \times 66 + (6 \times 6/(6+6)) \\
&:= 7 \times 7 \times 7 \times 7 - (7/7+7+7+7) \\
&:= 8 \times 8 + (((88+8) \times (8+8+8)) + (88/8)) \\
&:= 999/9 + (9 \times (9 \times (9+9+9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2380 &:= (1+1) \times ((11-1) \times (11^{1+1} - (1+1))) \\
&:= 2 \times (2 \times 22^2 + 222) \\
&:= 3 + (((33 \times (3+3)^3) + 3)/3) \\
&:= 444 + 44 \times 44 \\
&:= 5 + (5 \times (5 \times (5 \times (5 \times 5 - 5) - 5))) \\
&:= 6 + (6 \times 6 \times 66 - ((6+6)/6)) \\
&:= 7 \times 7 \times 7 \times 7 - (7+7+7) \\
&:= ((88+8)/8+8) \times (888/8+8) \\
&:= (99/9+9) \times ((99/9+99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2381 &:= (1+1)^{11} + (1+1+1) \times 111 \\
&:= 2 + (((2/2+2+2) + 2)^{2+2}) - 22 \\
&:= 3 + (((33 \times (3+3)^3) - 3)/3) + 3 \\
&:= (((4-4/4) + 4)^4) - 4 \times 4 - 4 \\
&:= 5 + ((5/5 - 5 \times 5 \times (5 \times 5 + 5)) + 5^5) \\
&:= 6 + (6 \times 6 \times 66 - 6/6) \\
&:= 7/7 + (7 \times 7 \times 7 \times 7 - (7+7+7)) \\
&:= 88 + (((88+8) \times (8+8+8)) - (88/8)) \\
&:= 9 + (((9+9)/9)^{99/9}) + (9+9) \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2382 &:= 1 + ((1+1)^{11} + (1+1+1) \times 111) \\
&:= 2 + ((2 \times 22)^2 + 2 \times 222) \\
&:= 3 + ((3 \times (33 \times (3^3 - 3))) + 3) \\
&:= 4/4 + (((4-4/4) + 4)^4) - (4 \times 4 + 4) \\
&:= 5 + (((5+5)/5 - 5 \times 5 \times (5 \times 5 + 5)) + 5^5) \\
&:= 6 + 6 \times 6 \times 66 \\
&:= 7 \times 7 \times 7 \times 7 - ((77+7)/7+7) \\
&:= 8 + ((88 \times (88/8+8+8)) - ((8+8)/8)) \\
&:= 9 + (((99 \times (9 \times 9 - 9)) - 9)/(9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2383 &:= 1 + (1 + ((1 + 1)^{11} + (1 + 1 + 1) \times 111)) \\
&:= 2 + (((((2/2 + 2 + 2) + 2)^{2+2}) - 22) + 2) \\
&:= 3 + (((33 \times (3 + 3)^3) + 3)/3) + 3) \\
&:= 4 + ((44 \times 44 - 4/4) + 444) \\
&:= 5^5 - (((555 + 5^5) + 5)/5) + 5) \\
&:= 6 + (6 \times 6 \times 66 + 6/6) \\
&:= 7 \times 7 \times 7 \times 7 - (77/7 + 7) \\
&:= 8 + ((88 \times (88/8 + 8 + 8)) - 8/8) \\
&:= 9 + (((9 + 9)/9) \times ((99 \times (99 + 9)) - 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2384 &:= (1 + 1)^{11} + ((1 + 1 + 1) \times (1 + 111)) \\
&:= 2 \times ((2 \times 22^2 + 222) + 2) \\
&:= 3 \times 3 + (((33 \times (3 + 3)^3) - 3)/3) \\
&:= 4 + (44 \times 44 + 444) \\
&:= 5^5 - ((555 + 5^5)/5 + 5) \\
&:= 6 + (6 \times 6 \times 66 + ((6 + 6)/6)) \\
&:= ((7 - 77)/7) + (7 \times 7 \times 7 \times 7 - 7) \\
&:= 8 + (88 \times (88/8 + 8 + 8)) \\
&:= (9 - 9/9) \times ((99 \times (9 + 9 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2385 &:= 1 + ((1 + 1)^{11} + ((1 + 1 + 1) \times (1 + 111))) \\
&:= (2/2 + 2)^{2+2} + ((2 \times (22 + 2))^2) \\
&:= 3 \times ((33 \times (3^3 - 3)) + 3) \\
&:= (((4 - 4/4) + 4)^4) - 4 \times 4 \\
&:= 5 + ((5 \times (5 \times (5 \times (5 \times 5 - 5) - 5))) + 5) \\
&:= 6 + (6 \times 6 \times 66 + (6 \times 6/(6 + 6))) \\
&:= 7 \times 7 \times 7 \times 7 - (((7 + 7)/7 + 7) + 7) \\
&:= ((8 - 8/8)^{8 \times 8/(8+8)}) - 8 - 8 \\
&:= 9 \times (((9 + 9)/9)^{9-9/9} + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2386 &:= (11 \times ((1 + 1) \times (111 - 1 - 1) - 1)) - 1 \\
&:= ((2 + 2 + 2) \times ((22 - 2)^2 - 2)) - 2 \\
&:= 3 \times 3 + (((33 \times (3 + 3)^3) + 3)/3) \\
&:= 4/4 + (((4 - 4/4) + 4)^4) - 4 \times 4 \\
&:= 5^5 + (55/5 - 5 \times 5 \times (5 \times 5 + 5)) \\
&:= 6 \times 6 \times 66 + (66 - 6)/6 \\
&:= 7 \times 7 \times 7 \times 7 - (7/7 + 7 + 7) \\
&:= 8 + ((88 \times (88/8 + 8 + 8)) + ((8 + 8)/8)) \\
&:= 9/9 + (9 \times (((9 + 9)/9)^{9-9/9} + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2387 &:= 11 \times ((1 + 1) \times (111 - 1 - 1) - 1) \\
&:= 22/2 \times (222 - (2/2 + 2 + 2)) \\
&:= 33/3 \times ((3 + 3)^3 + 3/3) \\
&:= (4 + 4)/4 + (((4 - 4/4) + 4)^4) - 4 \times 4 \\
&:= 5^5 - (((555 + 5^5) + 5) + 5)/5) \\
&:= 66/6 + 6 \times 6 \times 66 \\
&:= 7 \times 7 \times 7 \times 7 - (7 + 7) \\
&:= 88/8 + (88 \times (88/8 + 8 + 8)) \\
&:= 9 + ((9/9 + 9 \times 9) \times (99/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2388 &:= 1 + (11 \times ((1 + 1) \times (111 - 1 - 1) - 1)) \\
&:= (2 + 2 + 2) \times ((22 - 2)^2 - 2) \\
&:= 3 + (3 \times ((33 \times (3^3 - 3)) + 3)) \\
&:= 4 + ((44 \times 44 + 444) + 4) \\
&:= 5^5 - (((555 + 5^5) + 5)/5) \\
&:= 6 + (6 \times 6 \times 66 + 6) \\
&:= 7/7 + (7 \times 7 \times 7 \times 7 - (7 + 7)) \\
&:= ((88 + 8)/8) \times (888/8 + 88) \\
&:= ((99 + 9)/9) \times ((9/9 + 99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2389 &:= 1 + (1 + (11 \times ((1 + 1) \times (111 - 1 - 1) - 1))) \\
&:= 2/2 + ((2 + 2 + 2) \times ((22 - 2)^2 - 2)) \\
&:= 3 + ((3 \times ((33 \times (3^3 - 3)) + 3)) + 3/3) \\
&:= 4 + (((4 - 4/4) + 4)^4) - 4 \times 4 \\
&:= 5^5 - (555 + 5^5)/5 \\
&:= 6 + (6 \times 6 \times 66 + 6/6 + 6) \\
&:= 7 \times 7 \times 7 \times 7 - (77 + 7)/7 \\
&:= ((8 - 8/8)^{8 \times 8/(8+8)}) - (88 + 8)/8 \\
&:= 9 + ((99/9 + 9) \times ((99/9 + 99) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2390 &:= (11 - 1) \times (((1 + 1) \times (11^{1+1} - 1)) - 1) \\
&:= 2 + ((2 + 2 + 2) \times ((22 - 2)^2 - 2)) \\
&:= 3 + (33/3 \times ((3 + 3)^3 + 3/3)) \\
&:= (((4 - 4/4) + 4)^4) - 44/4 \\
&:= 5^5 + ((5 - (555 + 5^5))/5) \\
&:= 6 + ((6 \times 6 \times 66 + ((6 + 6)/6)) + 6) \\
&:= 7 \times 7 \times 7 \times 7 - 77/7 \\
&:= ((8 - 8/8)^{8 \times 8/(8+8)}) - 88/8 \\
&:= 9 + (((9 + 9)/9)^{99/9} + (9 + 9) \times (9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2391 &:= 1 + ((11 - 1) \times (((1 + 1) \times (11^{1+1} - 1)) - 1)) \\
&:= 2222 + ((22/2 + 2)^2) \\
&:= 3 + ((3 \times ((33 \times (3^3 - 3)) + 3)) + 3) \\
&:= (4 - 44)/4 + (((4 - 4/4) + 4)^4) \\
&:= (((5 + 5)/5 + 5)^{5-5/5}) - 5 - 5 \\
&:= 6 + ((6 \times 6 \times 66 + (6 \times 6/(6 + 6))) + 6) \\
&:= ((7 - 77)/7) + 7 \times 7 \times 7 \times 7 \\
&:= 88 + (((88 + 8) \times (8 + 8 + 8)) - 8/8) \\
&:= ((99/9 + 9) \times (999/9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2392 &:= 11 + ((1 + 1)^{11} + (1 + 1 + 1) \times 111) \\
&:= 2 \times (2 \times (((22 + 2)^2) + 22)) \\
&:= (((3/3 + 3) + 3)^{3/3+3}) - 3 \times 3 \\
&:= (4 + 4) \times ((44 - 4/4) + 4^4) \\
&:= (5 - 5/5) \times ((5^5 - 5 - 5)/5 - 5 \times 5) \\
&:= 6 + (6 \times 6 \times 66 + ((66 - 6)/6)) \\
&:= 7 \times 7 \times 7 \times 7 - ((7 + 7)/7 + 7) \\
&:= 88 + ((88 + 8) \times (8 + 8 + 8)) \\
&:= (((9 - 9/9) + 9) + 9) \times ((99/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2393 &:= ((1 + 1) \times ((11 \times (111 - 1 - 1)) - (1 + 1))) - 1 \\
&:= 2 + (((22/2 + 2)^2) + 2222) \\
&:= 3 + ((33/3 \times ((3 + 3)^3 + 3/3)) + 3) \\
&:= (((4 - 4/4) + 4)^4) - 4 - 4 \\
&:= 5 + (5^5 - (((555 + 5^5) + 5)/5)) \\
&:= 6 + (6 \times 6 \times 66 + (66/6)) \\
&:= 7 \times 7 \times 7 \times 7 - (7/7 + 7) \\
&:= ((8 - 8/8)^{8 \times 8/(8+8)}) - 8 \\
&:= 99 + ((9 + 9) \times 99 + (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2394 &:= (1 + 1) \times ((11 \times (111 - 1 - 1)) - (1 + 1)) \\
&:= 2 + (2 \times (2 \times (((22 + 2)^2) + 22))) \\
&:= 3 \times (((33 \times (3^3 - 3)) + 3) + 3) \\
&:= 4 + (((4 - 4/4) + 4)^4) - 44/4 \\
&:= 5 + (5^5 - (555 + 5^5)/5) \\
&:= 6 + ((6 \times 6 \times 66 + 6) + 6) \\
&:= 7 \times 7 \times 7 \times 7 - 7 \\
&:= 8/8 + (((8 - 8/8)^{8 \times 8/(8+8)}) - 8) \\
&:= 9 + (9 \times (((9 + 9)/9)^{9-9/9} + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2395 &:= ((1 + 1) \times ((11 \times (111 - 1 - 1)) - 1)) - 1 \\
&:= 22 \times (222/2 - 2) - 2/2 - 2 \\
&:= (((3/3 + 3) + 3)^{3/3+3}) - 3 - 3 \\
&:= (((4 - 4/4) + 4)^4) - ((4 + 4)/4 + 4) \\
&:= 55 \times 55 - (5^5/5 + 5) \\
&:= ((6/6 + 6)^{6-(6+6)/6}) - 6 \\
&:= 7/7 + (7 \times 7 \times 7 \times 7 - 7) \\
&:= ((8/8 + 88) \times (88/8 + 8 + 8)) - 8 \\
&:= 9 \times (9 + 9) \times (9 + 9) - (((9 + 9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2396 &:= (1 + 1) \times ((11 \times (111 - 1 - 1)) - 1) \\
&:= 22 \times (222/2 - 2) - 2 \\
&:= 3 \times 3 + (33/3 \times ((3 + 3)^3 + 3/3)) \\
&:= ((4 + 4) \times (44 + 4^4)) - 4 \\
&:= (((5 + 5)/5 + 5)^{5-5/5}) - 5 \\
&:= 6 + (((6 \times 6 \times 66 + ((6 + 6)/6)) + 6) + 6) \\
&:= (7 + 7)/7 + (7 \times 7 \times 7 \times 7 - 7) \\
&:= ((8 \times (8 \times 8 \times 8 + 88)) - 8)/((8 + 8)/8) \\
&:= 9 + (((9/9 + 9 \times 9) \times (99/9 + 9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2397 &:= ((1 + 1) \times (11 \times (111 - 1 - 1))) - 1 \\
&:= 22 \times (222/2 - 2) - 2/2 \\
&:= (3 \times (3^3 \times (3^3 + 3))) - 33 \\
&:= (((4 - 4/4) + 4)^4) - 4 \\
&:= 5/5 + (((5 + 5)/5 + 5)^{5-5/5}) - 5) \\
&:= 6 \times 6 \times 66 + ((6 \times 6 + 6)/((6 + 6)/6)) \\
&:= 7 + (7 \times 7 \times 7 \times 7 - (77/7)) \\
&:= (88/8 - 8) \times (888 - (8/8 + 88)) \\
&:= 9 + (((99 + 9)/9) \times ((9/9 + 99) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2398 &:= (1+1) \times (11 \times (111-1-1)) \\
&:= 22 \times (222/2-2) \\
&:= (((3/3+3)+3)^{3/3+3})-3 \\
&:= 4/4 + (((4-4/4)+4)^4) - 4 \\
&:= 55 \times 55 - (5^5 + 5 + 5)/5 \\
&:= 66/6 \times (6 \times 6 \times 6 + (6+6)/6) \\
&:= 7 \times 7 \times 7 \times 7 - (7+7+7)/7 \\
&:= ((8+8)/8) \times (8888/8+88) \\
&:= (9/9+99+9) \times ((99+99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2399 &:= 1 + ((1+1) \times (11 \times (111-1-1))) \\
&:= (((2/2+2+2)+2)^{2+2}) - 2 \\
&:= 3^3 + (((33 \times (3+3)^3) - 3)/3) - 3 \\
&:= (((4-4/4)+4)^4) - (4+4)/4 \\
&:= 5 \times 5 \times 55 + (5-5/5)^5 \\
&:= 6 + ((6 \times 6 \times 66 + (66/6)) + 6) \\
&:= 7 \times 7 \times 7 \times 7 - (7+7)/7 \\
&:= ((8-8/8)^{8 \times 8/(8+8)}) - (8+8)/8 \\
&:= ((99/9+9) \times (999/9+9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2400 &:= (1+1) \times (1 + (11 \times (111-1-1))) \\
&:= (2+2+2) \times (22-2)^2 \\
&:= (3+3)^3 + (3 \times 3^{3+3} - 3) \\
&:= (4+4) \times (44+4^4) \\
&:= (5 \times 5 - 5) \times (5 \times 5 \times 5 - 5) \\
&:= 6 \times (6 \times 66 + 6) - 6 - 6 \\
&:= 7 \times 7 \times 7 \times 7 - 7/7 \\
&:= (88+8) \times (8/8+8+8+8) \\
&:= (99/9+9) \times (999/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2401 &:= (1 + ((1+1) \times (1+1+1)))^{1+1+1+1} \\
&:= ((2/2+2+2)+2)^{2+2} \\
&:= ((3/3+3)+3)^{3/3+3} \\
&:= ((4-4/4)+4)^4 \\
&:= ((5+5)/5+5)^{5-5/5} \\
&:= (6/6+6)^{6-(6+6)/6} \\
&:= 7 \times 7 \times 7 \times 7 \\
&:= (8-8/8)^{8 \times 8/(8+8)} \\
&:= (9 - ((9+9)/9))^{(9 \times 9 - 9)/(9+9)}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2402 &:= 1 + ((1 + ((1+1) \times (1+1+1)))^{1+1+1+1}) \\
&:= 2 + ((2+2+2) \times (22-2)^2) \\
&:= 3^3 + (((33 \times (3+3)^3) - 3)/3) \\
&:= 4/4 + (((4-4/4)+4)^4) \\
&:= 5/5 + (((5+5)/5+5)^{5-5/5}) \\
&:= 6/6 + ((6/6+6)^{6-(6+6)/6}) \\
&:= 7/7 + 7 \times 7 \times 7 \times 7 \\
&:= 8/8 + ((8-8/8)^{8 \times 8/(8+8)}) \\
&:= 999 + (((9+9)/9)^9) + 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2403 &:= 1 + (1 + ((1 + ((1+1) \times (1+1+1)))^{1+1+1+1})) \\
&:= 2 + (((2/2+2+2)+2)^{2+2}) \\
&:= (3+3)^3 + 3 \times 3^{3+3} \\
&:= (4+4)/4 + (((4-4/4)+4)^4) \\
&:= 5 + (55 \times 55 - (5^5 + 5 + 5)/5) \\
&:= 6 \times 6 \times 6 + ((6 \times 6)/(6+6))^{6/6+6} \\
&:= (7+7)/7 + 7 \times 7 \times 7 \times 7 \\
&:= (8/8+88) \times (88/8+8+8) \\
&:= (9+9+9) \times ((9 \times 9 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2404 &:= (1+1) \times (1 + (1 + (1 + (11 \times (111-1-1)))))) \\
&:= 2 + (((2+2+2) \times (22-2)^2) + 2) \\
&:= 3 + (((3/3+3)+3)^{3/3+3}) \\
&:= 4 + ((4+4) \times (44+4^4)) \\
&:= 5 + (5 \times 5 \times 55 + (5-5/5)^5) \\
&:= ((6+6)/6)^6 + 6 \times (6 \times 66 - 6) \\
&:= 7 \times 7 \times 7 \times 7 + (7+7+7)/7 \\
&:= ((8 \times (8 \times 8 \times 8 + 88)) + 8)/((8+8)/8) \\
&:= 9 \times (9+9) \times (9+9) - (((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2405 &:= ((1+1) \times ((11 \times (111-1)) - (1+1))) - 11 \\
&:= 2 + (((2/2+2+2)+2)^{2+2}) + 2 \\
&:= (((33 \times ((3+3)^3 + 3)) - 3)/3) - 3 \\
&:= 4 + (((4-4/4)+4)^4) \\
&:= 5 + ((5 \times 5 - 5) \times (5 \times 5 \times 5 - 5)) \\
&:= (6 \times 6 + 6/6) \times (66 - 6/6) \\
&:= 77/7 + (7 \times 7 \times 7 \times 7 - 7) \\
&:= (8/8 + 8 \times 8) \times 888/(8+8+8) \\
&:= 9/9 + (9 \times (9+9) \times (9+9) - (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2406 &:= (11 \times (((1+1) \times (111-1)) - 1)) - 1 - 1 - 1 \\
&:= (2/2+2) \times (2 \times (22-2)^2 + 2) \\
&:= 3 + (3 \times 3^{3+3} + (3+3)^3) \\
&:= 4 + (((4-4/4)+4)^4) + 4/4 \\
&:= 5 + (((5+5)/5+5)^{5-5/5}) \\
&:= 6 \times (6 \times 66 + 6) - 6 \\
&:= 7 + (7 \times 7 \times 7 \times 7 - ((7+7)/7)) \\
&:= 8 + (((8+8)/8) \times (8888/8+88)) \\
&:= ((9+9+9)/9) \times ((9 \times (9 \times 9 + 9) - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2407 &:= (11 \times (((1+1) \times (111-1)) - 1)) - 1 - 1 \\
&:= 2 + (((2/2+2+2)+2)^{2+2}) + 2 + 2 \\
&:= 3 + (((3/3+3)+3)^{3/3+3}) + 3 \\
&:= 4 + (((4-4/4)+4)^4) + (4+4)/4 \\
&:= 5 + (((5+5)/5+5)^{5-5/5}) + 5/5 \\
&:= 6 + ((6/6+6)^{6-(6+6)/6}) \\
&:= 7 + (7 \times 7 \times 7 \times 7 - 7/7) \\
&:= 8 + (((8-8/8)^{8 \times 8/(8+8)}) - ((8+8)/8)) \\
&:= ((9+9) \times (9 \times 9 - 9)) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2408 &:= (11 \times (((1+1) \times (111-1)) - 1)) - 1 \\
&:= ((2/2+2+2) \times (22^2-2)) - 2 \\
&:= ((33 \times ((3+3)^3 + 3)) - 3)/3 \\
&:= 4 + (((4+4) \times (44+4^4)) + 4) \\
&:= (5-5/5) \times ((5^5 + 5 + 5)/5 - 5 \times 5) \\
&:= (6+6)/6 + (6 \times (6 \times 66 + 6) - 6) \\
&:= 7 + 7 \times 7 \times 7 \times 7 \\
&:= 8 + ((88+8) \times (8/8+8+8+8)) \\
&:= ((9+9) \times (9 \times 9 - 9)) + (9999+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2409 &:= 11 \times (((1+1) \times (111-1)) - 1) \\
&:= 22/2 \times (222 - (2/2+2)) \\
&:= 33 \times (((3+3)^3 + 3)/3) \\
&:= 4 + (((4-4/4)+4)^4) + 4 \\
&:= 5 + ((5 \times 5 \times 55 + (5-5/5)^5) + 5) \\
&:= 6 \times 6 \times 66 + (66 \times 6/(6+6)) \\
&:= 7 + (7 \times 7 \times 7 \times 7 + 7/7) \\
&:= 8 + ((8-8/8)^{8 \times 8/(8+8)}) \\
&:= 9 + ((99/9+9) \times (999/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2410 &:= 1 + (11 \times (((1+1) \times (111-1)) - 1)) \\
&:= (2/2+2+2) \times (22^2-2) \\
&:= ((33 \times ((3+3)^3 + 3)) + 3)/3 \\
&:= 4 + (((4-4/4)+4)^4) + 4/4 + 4 \\
&:= 5 + (((5 \times 5 - 5) \times (5 \times 5 \times 5 - 5)) + 5) \\
&:= 6 \times (6 \times 66 + 6) - (6+6)/6 \\
&:= 7 + (7 \times 7 \times 7 \times 7 + ((7+7)/7)) \\
&:= 8 + (((8-8/8)^{8 \times 8/(8+8)}) + 8/8) \\
&:= 9 + ((9 - ((9+9)/9))^{(9 \times 9 - 9)/(9+9)})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2411 &:= 1 + (1 + (11 \times (((1+1) \times (111-1)) - 1))) \\
&:= 2 + (22/2 \times (222 - (2/2+2))) \\
&:= ((33/3+3)^3) - 333 \\
&:= 44/4 + ((4+4) \times (44+4^4)) \\
&:= 5 + (((5+5)/5+5)^{5-5/5}) + 5 \\
&:= 6 \times (6 \times 66 + 6) - 6/6 \\
&:= 7 \times 7 \times 7 \times 7 + (77-7)/7 \\
&:= 8 + ((8/8+88) \times (88/8+8+8)) \\
&:= (9 \times 9 + 9) \times (9+9+9) - (9/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2412 &:= (1+11) \times (1 + ((1+1) \times (11-1)^{1+1})) \\
&:= (2+2+2) \times ((22-2)^2 + 2) \\
&:= 3 + (33 \times (((3+3)^3 + 3)/3)) \\
&:= 44/4 + (((4-4/4)+4)^4) \\
&:= 55/5 + (((5+5)/5+5)^{5-5/5}) \\
&:= 6 \times (6 \times 66 + 6) \\
&:= 77/7 + 7 \times 7 \times 7 \times 7 \\
&:= 88/8 + ((8-8/8)^{8 \times 8/(8+8)}) \\
&:= (9 \times 9 + 9) \times (9+9+9) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2413 &:= 1 + ((1 + 11) \times (1 + ((1 + 1) \times (11 - 1)^{1+1}))) \\
&:= 2/2 + ((2 + 2 + 2) \times ((22 - 2)^2 + 2)) \\
&:= 3 + (((33 \times ((3 + 3)^3 + 3)) + 3)/3) \\
&:= 4 + (((((4 - 4/4) + 4)^4) + 4) + 4) \\
&:= 5 + ((5 - 5/5) \times ((5^5 + 5 + 5)/5 - 5 \times 5)) \\
&:= 6/6 + 6 \times (6 \times 66 + 6) \\
&:= 7 \times 7 \times 7 \times 7 + (77 + 7)/7 \\
&:= (88/8 + 8) \times (8 \times (8 + 8) - 8/8) \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) - ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2414 &:= (1 + 1) \times ((11 \times (111 - 1)) - (1 + 1 + 1)) \\
&:= 2 + ((2 + 2 + 2) \times ((22 - 2)^2 + 2)) \\
&:= 3 + (((33/3 + 3)^3) - 333) \\
&:= 4 + (((((4 - 4/4) + 4)^4) + 4/4) + 4) + 4) \\
&:= 5 \times 5 + (5^5 - (555 + 5^5)/5) \\
&:= (6 + 6)/6 + 6 \times (6 \times 66 + 6) \\
&:= 7 + ((7 \times 7 \times 7 \times 7 - 7/7) + 7) \\
&:= 8/8 + ((88/8 + 8) \times (8 \times (8 + 8) - 8/8)) \\
&:= (9 + 9)/9 + ((9 \times 9 + 9) \times (9 + 9 + 9) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2415 &:= ((1 + 1) \times ((11 \times (111 - 1)) - (1 + 1))) - 1 \\
&:= 222/2 + ((2 \times (22 + 2))^2) \\
&:= 3 + ((33 \times (((3 + 3)^3 + 3)/3)) + 3) \\
&:= (4/4 + 4) \times ((44 \times 44 - 4)/4) \\
&:= (55 \times (55 - (55/5))) - 5 \\
&:= (6 \times 6/(6 + 6)) + 6 \times (6 \times 66 + 6) \\
&:= 7 + (7 \times 7 \times 7 \times 7 + 7) \\
&:= 888/8 + ((88 + 8) \times (8 + 8 + 8)) \\
&:= 999/9 + (9 \times (((9 + 9)/9)^{9-9/9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2416 &:= (1 + 1) \times ((11 \times (111 - 1)) - (1 + 1)) \\
&:= 22^2 + (2 \times (2 \times 22^2 - 2)) \\
&:= 3 + (((33 \times ((3 + 3)^3 + 3)) + 3)/3 + 3) \\
&:= 4 \times (((4 + 4) \times 44 - 4) + 4^4) \\
&:= (5 - 5/5) \times ((55 \times 55 - 5)/5) \\
&:= 6 + (6 \times (6 \times 66 + 6) - ((6 + 6)/6)) \\
&:= 7 + ((7 \times 7 \times 7 \times 7 + 7/7) + 7) \\
&:= (8 + 8) \times ((88 - 8/8) + 8 \times 8) \\
&:= 9 + (((9 + 9) \times (9 \times 9 - 9)) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2417 &:= ((1 + 1) \times ((11 \times (111 - 1)) - 1)) - 1 \\
&:= (((22 \times (222 - 2)) - 2)/2) - 2 \\
&:= 33 \times 33 + ((33/3)^3 - 3) \\
&:= 4 \times 4 + (((4 - 4/4) + 4)^4) \\
&:= 5 + (((5 + 5)/5 + 5)^{5-5/5}) + (55/5) \\
&:= 6 + (6 \times (6 \times 66 + 6) - 6/6) \\
&:= 7 + ((7 \times 7 \times 7 \times 7 + ((7 + 7)/7)) + 7) \\
&:= 8 + (((8 - 8/8)^{8 \times 8/(8+8)}) + 8) \\
&:= 99 \times (9 + 9 + 9) - (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2418 &:= (1 + 1) \times ((11 \times (111 - 1)) - 1) \\
&:= 22^2 + ((2 \times 22)^2 - 2) \\
&:= (3 \times ((3^3 \times (3^3 + 3)) - 3)) - 3 \\
&:= 4 \times 4 + (((4 - 4/4) + 4)^4) + 4/4) \\
&:= 5555 - (((55 + 5)/5) + 5^5) \\
&:= 6 + 6 \times (6 \times 66 + 6) \\
&:= 7 + (7 \times 7 \times 7 \times 7 + ((77 - 7)/7)) \\
&:= 8 + (((8 - 8/8)^{8 \times 8/(8+8)}) + 8/8) + 8) \\
&:= (9 \times 9 + 9) \times (9 + 9 + 9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2419 &:= ((1 + 1) \times (11 \times (111 - 1))) - 1 \\
&:= ((22 \times (222 - 2)) - 2)/2 \\
&:= (3 \times (3^3 \times (3^3 + 3))) - 33/3 \\
&:= (4 \times (4/4 + 4)^4) - (4 - 4/4)^4 \\
&:= 5555 - (55/5 + 5^5) \\
&:= 6 + (6 \times (6 \times 66 + 6) + 6/6) \\
&:= 7 + (7 \times 7 \times 7 \times 7 + (77/7)) \\
&:= 8 + (((8/8 + 88) \times (88/8 + 8 + 8)) + 8) \\
&:= (9 \times 9 + 9) \times (9 + 9 + 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2420 &:= (1 + 1) \times (11 \times (111 - 1)) \\
&:= 22 \times (222 - 2)/2 \\
&:= 33 \times 33 + (33/3)^3 \\
&:= 44 \times (44/4 + 44) \\
&:= 55 \times (55 - (55/5)) \\
&:= 6 + (6 \times (6 \times 66 + 6) + ((6 + 6)/6)) \\
&:= 7 + (7 \times 7 \times 7 \times 7 + (77 + 7)/7) \\
&:= (88/(8 + 8)/8) \times (8 \times 8 - (8/8 + 8)) \\
&:= (9/9 + 9) \times (9 \times (9 + 9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2421 &:= 1 + ((1 + 1) \times (11 \times (111 - 1))) \\
&:= ((22 \times (222 - 2)) + 2)/2 \\
&:= 3 \times ((3^3 \times (3^3 + 3)) - 3) \\
&:= 4 + (((4 - 4/4) + 4)^4) + 4 \times 4) \\
&:= 5/5 + (55 \times (55 - (55/5))) \\
&:= 6 + (6 \times (6 \times 66 + 6) + (6 \times 6/(6 + 6))) \\
&:= 7 + (((7 \times 7 \times 7 \times 7 - 7/7) + 7) + 7) \\
&:= ((8 + 8) \times (8 \times 8 + 88)) - 88/8 \\
&:= (9 \times 9 + 9) \times (9 + 9 + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2422 &:= (1 + 1) \times (1 + (11 \times (111 - 1))) \\
&:= 2 + ((2 \times 22)^2 + 22^2) \\
&:= 3/3 + (3 \times ((3^3 \times (3^3 + 3)) - 3)) \\
&:= 4 + (((4 - 4/4) + 4)^4) + 4 \times 4) + 4/4) \\
&:= (5 + 5)/5 + (55 \times (55 - (55/5))) \\
&:= ((66 - 6)/6) + 6 \times (6 \times 66 + 6) \\
&:= 7 + ((7 \times 7 \times 7 \times 7 + 7) + 7) \\
&:= (8 - 88)/8 + ((8 + 8) \times (8 \times 8 + 88)) \\
&:= 9/9 + ((9 \times 9 + 9) \times (9 + 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2423 &:= 1 + ((1 + 1) \times (1 + (11 \times (111 - 1)))) \\
&:= 2 + (((22 \times (222 - 2)) + 2)/2) \\
&:= 3 + (33 \times 33 + (33/3)^3) \\
&:= 4 + ((4 \times (4/4 + 4)^4) - (4 - 4/4)^4) \\
&:= 5555 - (((5 + 5)/5 + 5^5) + 5) \\
&:= 66/6 + 6 \times (6 \times 66 + 6) \\
&:= 7 + (((7 \times 7 \times 7 \times 7 + 7/7) + 7) + 7) \\
&:= ((8 + 8) \times (8 \times 8 + 88)) - (8/8 + 8) \\
&:= (9 + 9)/9 + ((9 \times 9 + 9) \times (9 + 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2424 &:= (1 + 1) \times (1 + (1 + (11 \times (111 - 1)))) \\
&:= 2 + (((2 \times 22)^2 + 22^2) + 2) \\
&:= 3 + (3 \times ((3^3 \times (3^3 + 3)) - 3)) \\
&:= 4 + 44 \times (44/4 + 44) \\
&:= (5 - 5/5) \times ((55 \times 55 + 5)/5) \\
&:= 6 + (6 \times (6 \times 66 + 6) + 6) \\
&:= 7 + (((7 \times 7 \times 7 \times 7 + ((7 + 7)/7)) + 7) + 7) \\
&:= ((8 + 8) \times (8 \times 8 + 88)) - 8 \\
&:= ((9 + 9)/9) \times (((99/9) \times 999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2425 &:= 1 + ((1 + 1) \times (1 + (1 + (11 \times (111 - 1)))))) \\
&:= (22/2)^2 + ((2 \times (22 + 2))^2) \\
&:= 3 + ((3 \times ((3^3 \times (3^3 + 3)) - 3)) + 3/3) \\
&:= 4 + (((((4 - 4/4) + 4)^4) + 4 \times 4) + 4) \\
&:= 5555 - (5^5 + 5) \\
&:= 6 + ((6 \times (6 \times 66 + 6) + 6/6) + 6) \\
&:= 7 + ((7 \times 7 \times 7 \times 7 + ((77 - 7)/7)) + 7) \\
&:= 8/8 + (((8 + 8) \times (8 \times 8 + 88)) - 8) \\
&:= ((9 - 99)/(9 + 9)) + (9 \times 9 + 9) \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2426 &:= (1 + 1) \times (1 + (1 + (1 + (11 \times (111 - 1)))))) \\
&:= (22 \times 222/2) - 2^{2+2} \\
&:= (3 \times (3^3 \times (3^3 + 3))) - (3/3 + 3) \\
&:= (((4/4 + 4) \times (44 \times 44 + 4)) + 4)/4 \\
&:= 5 \times 5 + (((5 + 5)/5 + 5)^{5-5/5}) \\
&:= 6 + ((6 \times (6 \times 66 + 6) + ((6 + 6)/6)) + 6) \\
&:= 7 + ((7 \times 7 \times 7 \times 7 + (77/7)) + 7) \\
&:= (8 + 8)/8 + (((8 + 8) \times (8 \times 8 + 88)) - 8) \\
&:= ((9 - 9 \times 9)/(9 + 9)) + (9 \times 9 + 9) \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2427 &:= ((1 + 1) \times (11 \times 111 - (1 + 1))) - 11 \\
&:= 2 + (((2 \times (22 + 2))^2) + (22/2)^2) \\
&:= (3 \times (3^3 \times (3^3 + 3))) - 3 \\
&:= (4 \times ((4 + 4) \times 44 + 4^4)) - (4/4 + 4) \\
&:= (5 + 5)/5 + (5555 - (5^5 + 5)) \\
&:= 6 + ((6 \times (6 \times 66 + 6) + (6 \times 6/(6 + 6))) + 6) \\
&:= 7 + ((7 \times 7 \times 7 \times 7 + (77 + 7)/7) + 7) \\
&:= 88/8 + ((8 + 8) \times ((88 - 8/8) + 8 \times 8)) \\
&:= ((9 + 9 + 9)/9) \times (9 \times (9 \times 9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2428 &:= (11 \times ((1+1) \times 111 - 1)) - 1 - 1 - 1 \\
&:= 22^2 + (2 \times (2 \times (22^2 + 2))) \\
&:= 3^3 + (((3/3 + 3) + 3)^{3/3+3}) \\
&:= (4 \times ((4+4) \times 44 + 4^4)) - 4 \\
&:= 5555 - ((5+5)/5 + 5^5) \\
&:= 6 + (6 \times (6 \times 66 + 6) + ((66-6)/6)) \\
&:= 77 + (7 \times (7 \times 7 \times 7 - 7) - 7/7) \\
&:= ((8+8) \times (8 \times 8 + 88)) - (8/(8+8)/8) \\
&:= (9 \times 9 + 9) \times (9 + 9 + 9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2429 &:= (11 \times ((1+1) \times 111 - 1)) - 1 - 1 \\
&:= (22/2 \times (222 - 2/2)) - 2 \\
&:= (3 \times (3^3 \times (3^3 + 3))) - 3/3 \\
&:= 44 + (((4 - 4/4) + 4)^4) - 4 \times 4 \\
&:= 5555 - (5^5 + 5/5) \\
&:= 6 + (6 \times (6 \times 66 + 6) + (66/6)) \\
&:= 77 + 7 \times (7 \times 7 \times 7 - 7) \\
&:= 8 + (((8+8) \times (8 \times 8 + 88)) - (88/8)) \\
&:= (9 \times 9 + 9) \times (9 + 9 + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2430 &:= (11 \times ((1+1) \times 111 - 1)) - 1 \\
&:= (2/2 + 2 + 2) \times (22^2 + 2) \\
&:= 3 \times (3^3 \times (3^3 + 3)) \\
&:= (4/4 + 4) \times (((44 \times 44 + 4) + 4)/4) \\
&:= 5555 - 5^5 \\
&:= 6 + ((6 \times (6 \times 66 + 6) + 6) + 6) \\
&:= 7/7 + (7 \times (7 \times 7 \times 7 - 7) + 77) \\
&:= ((8+8) \times (8 \times 8 + 88)) - (8+8)/8 \\
&:= (9 \times 9 + 9) \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2431 &:= 11 \times ((1+1) \times 111 - 1) \\
&:= 22/2 \times (222 - 2/2) \\
&:= 3/3 + (3 \times (3^3 \times (3^3 + 3))) \\
&:= (4 \times ((4+4) \times 44 + 4^4)) - 4/4 \\
&:= 5/5 + (5555 - 5^5) \\
&:= 66 + (6 \times 6 \times 66 - (66/6)) \\
&:= 77 + (7 \times (7 \times 7 \times 7 - 7) + ((7+7)/7)) \\
&:= ((8+8) \times (8 \times 8 + 88)) - 8/8 \\
&:= 9/9 + (9 \times 9 + 9) \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2432 &:= 1 + (11 \times ((1+1) \times 111 - 1)) \\
&:= 2 + ((2/2 + 2 + 2) \times (22^2 + 2)) \\
&:= 3 + ((3 \times (3^3 \times (3^3 + 3))) - 3/3) \\
&:= 4 \times ((4+4) \times 44 + 4^4) \\
&:= (5+5)/5 + (5555 - 5^5) \\
&:= ((6+6)/6)^6 \times ((6+6)/6 + 6 \times 6) \\
&:= ((7+7)/7)^7 \times ((77+7)/7 + 7) \\
&:= (8+8) \times (8 \times 8 + 88) \\
&:= (9+9)/9 + (9 \times 9 + 9) \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2433 &:= 1 + (1 + (11 \times ((1+1) \times 111 - 1))) \\
&:= 2 + (22/2 \times (222 - 2/2)) \\
&:= 3 + (3 \times (3^3 \times (3^3 + 3))) \\
&:= 4 \times (4 + 4) + (((4 - 4/4) + 4)^4) \\
&:= 5 + (5555 - ((5+5)/5 + 5^5)) \\
&:= 66 + (((6-66) + 6)/6) + 6 \times 6 \times 66 \\
&:= 7 + (((7 \times 7 \times 7 \times 7 + (77/7)) + 7) + 7) \\
&:= 8/8 + ((8+8) \times (8 \times 8 + 88)) \\
&:= ((9+9+9)/9) + (9 \times 9 + 9) \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2434 &:= 1 + (1 + (1 + (11 \times ((1+1) \times 111 - 1)))) \\
&:= (22 \times 222/2) - 2 \times (2 + 2) \\
&:= 3 + ((3 \times (3^3 \times (3^3 + 3))) + 3/3) \\
&:= 44 + (((4 - 4/4) + 4)^4) - 44/4 \\
&:= 5 + (5555 - (5^5 + 5/5)) \\
&:= 6 \times 6 \times 66 + (((6+6)/6)^6 - 6) \\
&:= 7 \times (7 \times 7 \times 7 + 7) - (((7+7)/7 + 7) + 7) \\
&:= (8+8)/8 + ((8+8) \times (8 \times 8 + 88)) \\
&:= ((9 \times 9 - 9)/(9+9)) + (9 \times 9 + 9) \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2435 &:= ((1+1) \times (1 + (1 + 11 \times 111))) - 11 \\
&:= 2 + ((22/2 \times (222 - 2/2)) + 2) \\
&:= 3 + (((3 \times (3^3 \times (3^3 + 3))) - 3/3) + 3) \\
&:= (4 \times (4/4 + 4)^4) - (4^4 + 4)/4 \\
&:= 5 + (5555 - 5^5) \\
&:= 66 + (6 \times 6 \times 66 - (6/6 + 6)) \\
&:= 7 \times (7 \times 7 \times 7 + 7) - (7/7 + 7 + 7) \\
&:= 88/8 + (((8+8) \times (8 \times 8 + 88)) - 8) \\
&:= ((9 \times 9 + 9)/(9+9)) + (9 \times 9 + 9) \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2436 &:= (1+1) \times (11 \times 111 - (1+1+1)) \\
&:= (22 \times 222/2) - (2+2+2) \\
&:= 3 + ((3 \times (3^3 \times (3^3 + 3))) + 3) \\
&:= 4 \times ((4/4 + 4)^4 - 4 \times 4) \\
&:= 5 + ((5555 - 5^5) + 5/5) \\
&:= 66 + (6 \times 6 \times 66 - 6) \\
&:= 7 \times (7 \times 7 \times 7 + 7) - (7+7) \\
&:= (8 - 8/8) \times ((8 \times 88 - 8)/(8+8)/8) \\
&:= 9 + (((9+9+9)/9) \times (9 \times (9 \times 9 + 9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2437 &:= ((1+1) \times (11 \times 111 - (1+1))) - 1 \\
&:= (((22 \times 222) - 2)/2) - 2 - 2 \\
&:= 3 + (((3 \times (3^3 \times (3^3 + 3))) + 3/3) + 3) \\
&:= 4 + (((4 - 4/4) + 4)^4) + 4 \times (4+4) \\
&:= 5 + ((5555 - 5^5) + ((5+5)/5)) \\
&:= 6 \times 6 + ((6/6 + 6)^{6-(6+6)/6}) \\
&:= 7/7 + (7 \times (7 \times 7 \times 7 + 7) - (7+7)) \\
&:= 8 + (((8+8) \times (8 \times 8 + 88)) - (88/8)) + 8 \\
&:= 9 + ((9 \times 9 + 9) \times (9 + 9 + 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2438 &:= (1+1) \times (11 \times 111 - (1+1)) \\
&:= (22 \times 222/2) - 2 - 2 \\
&:= (3 \times ((3^3 \times (3^3 + 3)) + 3)) - 3/3 \\
&:= (4+4)/4 + (4 \times ((4/4 + 4)^4 - 4 \times 4)) \\
&:= 5^5 + ((5 - 5 \times 5 \times 55)/(5+5)) \\
&:= 6 + (((6+6)/6)^6 \times ((6+6)/6 + 6 \times 6)) \\
&:= 7 \times (7 \times 7 \times 7 + 7) - (77+7)/7 \\
&:= 8 + (((8+8) \times (8 \times 8 + 88)) - ((8+8)/8)) \\
&:= 9 + ((9 \times 9 + 9) \times (9 + 9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2439 &:= ((1+1) \times (11 \times 111 - 1)) - 1 \\
&:= (((22 \times 222) - 2)/2) - 2 \\
&:= 3 \times ((3^3 \times (3^3 + 3)) + 3) \\
&:= 4 + ((4 \times (4/4 + 4)^4) - (4^4 + 4)/4) \\
&:= 5^5 - (((5^5 + 5)/5 + 55) + 5) \\
&:= 66 + (6 \times 6 \times 66 - (6 \times 6)/(6+6)) \\
&:= 7 \times (7 \times 7 \times 7 + 7) - 77/7 \\
&:= 8 + (((8+8) \times (8 \times 8 + 88)) - 8/8) \\
&:= 9 + (9 \times 9 + 9) \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2440 &:= (1+1) \times (11 \times 111 - 1) \\
&:= (22 \times 222/2) - 2 \\
&:= 3/3 + (3 \times (3^3 \times (3^3 + 3)) + 3) \\
&:= 4 + (4 \times ((4/4 + 4)^4 - 4 \times 4)) \\
&:= 5 + (5555 - 5^5 + 5) \\
&:= 6 \times 6 \times 66 + ((6+6)/6)^6 \\
&:= ((7-77)/7) + 7 \times (7 \times 7 \times 7 + 7) \\
&:= 8 + ((8+8) \times (8 \times 8 + 88)) \\
&:= 9 + ((9 \times 9 + 9) \times (9 + 9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2441 &:= ((1+1) \times 11 \times 111) - 1 \\
&:= ((22 \times 222) - 2)/2 \\
&:= 33/3 + (3 \times (3^3 \times (3^3 + 3))) \\
&:= 44 + (((4 - 4/4) + 4)^4) - 4 \\
&:= 5^5 + (((5 - 5^5)/5) - (55 + 5)) \\
&:= 66 + (6 \times 6 \times 66 - 6/6) \\
&:= 7 \times (7 \times 7 \times 7 + 7) - ((7+7)/7 + 7) \\
&:= 8 + (((8+8) \times (8 \times 8 + 88)) + 8/8) \\
&:= 99/9 + (9 \times 9 + 9) \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2442 &:= (1+1) \times 11 \times 111 \\
&:= 22 \times 222/2 \\
&:= 3 + (3 \times ((3^3 \times (3^3 + 3)) + 3)) \\
&:= 44/4 \times (444/((4+4)/4)) \\
&:= 555/5 \times (55 + 55)/5 \\
&:= 66 + 6 \times 6 \times 66 \\
&:= 7 \times (7 \times 7 \times 7 + 7) - (7/7 + 7) \\
&:= 888/8 \times (88 + 88)/8 \\
&:= 999/9 \times ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2443 &:= 1 + ((1 + 1) \times 11 \times 111) \\
&:= ((22 \times 222) + 2)/2 \\
&:= ((33 \times ((3 + 3)^3 + 3) + 3) + 3)/3 \\
&:= 4^4 + ((4 - 4/4)^{4+4-4/4}) \\
&:= 5^5 - ((5^5 + 5 + 5)/5 + 55) \\
&:= 66 + (6 \times 6 \times 66 + 6/6) \\
&:= 7 \times (7 \times 7 \times 7 + 7) - 7 \\
&:= 88/8 + ((8 + 8) \times (8 \times 8 + 88)) \\
&:= 9/9 + (999/9 \times ((99 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2444 &:= (1 + 1) \times (1 + 11 \times 111) \\
&:= 2 + (22 \times 222/2) \\
&:= 3 + ((3 \times (3^3 \times (3^3 + 3))) + 33/3) \\
&:= 44 + ((4 + 4) \times (44 + 4^4)) \\
&:= 5^5 - ((5^5 + 5)/5 + 55) \\
&:= 66 + (6 \times 6 \times 66 + ((6 + 6)/6)) \\
&:= 7/7 + (7 \times (7 \times 7 \times 7 + 7) - 7) \\
&:= ((88 + 8)/8) + ((8 + 8) \times (8 \times 8 + 88)) \\
&:= ((9 + 9)/9) \times (((99 \times 999/9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2445 &:= 1 + ((1 + 1) \times (1 + 11 \times 111)) \\
&:= 2 + (((22 \times 222) + 2)/2) \\
&:= ((3^3 - 3) \times (3 \times 33 + 3)) - 3 \\
&:= 44 + (((4 - 4/4) + 4)^4) \\
&:= 5^5 - (5^5/5 + 55) \\
&:= 66 + (6 \times 6 \times 66 + (6 \times 6/(6 + 6))) \\
&:= (7 + 7)/7 + (7 \times (7 \times 7 \times 7 + 7) - 7) \\
&:= (88/8 - 8) \times (888/8 + 8 \times 88) \\
&:= 999 + (9 \times 9 \times (9 + 9) - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2446 &:= (1 + 1) \times (1 + (1 + 11 \times 111)) \\
&:= 2 + ((22 \times 222/2) + 2) \\
&:= 3 + (((33 \times ((3 + 3)^3 + 3) + 3) + 3)/3) \\
&:= 44 + (((4 - 4/4) + 4)^4) + 4/4 \\
&:= 5^5 + (((5 - 5^5)/5) - 55) \\
&:= 6 + (6 \times 6 \times 66 + ((6 + 6)/6)^6) \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 7) - (77/7)) \\
&:= 8 + (((8 + 8) \times (8 \times 8 + 88)) - ((8 + 8)/8) + 8) \\
&:= 999 + (9 \times 9 \times (9 + 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2447 &:= 1 + ((1 + 1) \times (1 + (1 + 11 \times 111))) \\
&:= 2 + (((22 \times 222) + 2)/2 + 2) \\
&:= ((33/3 + 3)^3) - 3 \times 3 \times 33 \\
&:= (4^4 \times ((4 + 4) + 4)) - (4/4 + 4)^4 \\
&:= 5^5 + (((5 - 5^5) + 5)/5) - 55 \\
&:= (6 \times (6 \times 66 + 6 + 6)) - 6/6 \\
&:= 7 \times (7 \times 7 \times 7 + 7) - (7 + 7 + 7)/7 \\
&:= 8 + (((8 + 8) \times (8 \times 8 + 88)) - 8/8) + 8 \\
&:= 9 + (((9 \times 9 + 9) \times (9 + 9 + 9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2448 &:= (1 + 1) \times (1 + (1 + (1 + 11 \times 111))) \\
&:= 2^{22/2} + (22 - 2)^2 \\
&:= (3^3 - 3) \times (3 \times 33 + 3) \\
&:= 4 \times (((4 + 4) \times 44 + 4^4) + 4) \\
&:= 5 + (5^5 - ((5^5 + 5 + 5)/5 + 55)) \\
&:= 6 \times (6 \times 66 + 6 + 6) \\
&:= 7 \times (7 \times 7 \times 7 + 7) - (7 + 7)/7 \\
&:= 8 + (((8 + 8) \times (8 \times 8 + 88)) + 8) \\
&:= 9 + ((9 \times 9 + 9) \times (9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2449 &:= 1 + ((1 + 1) \times (1 + (1 + (1 + 11 \times 111)))) \\
&:= (((2 \times (22 + 2)) + 22)^2 - 2)/2 \\
&:= 3/3 + ((3^3 - 3) \times (3 \times 33 + 3)) \\
&:= 4 + (((4 - 4/4) + 4)^4) + 44 \\
&:= 5 + (5^5 - ((5^5 + 5)/5 + 55)) \\
&:= 6/6 + (6 \times (6 \times 66 + 6 + 6)) \\
&:= 7 \times (7 \times 7 \times 7 + 7) - 7/7 \\
&:= 8 + (((8 + 8) \times (8 \times 8 + 88)) + 8/8) + 8 \\
&:= 9 + (((9 \times 9 + 9) \times (9 + 9 + 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2450 &:= 11 + (((1 + 1) \times (11 \times 111 - 1)) - 1) \\
&:= 2 \times (((22/2 + 22) + 2)^2) \\
&:= 3 + (((33/3 + 3)^3) - 3 \times 3 \times 33) \\
&:= (44 - 4)/4 \times (4^4 - 44/4) \\
&:= (5 + 5) \times (5 \times 5 \times (5 + 5) - 5) \\
&:= (6 + 6)/6 + (6 \times (6 \times 66 + 6 + 6)) \\
&:= 7 \times (7 \times 7 \times 7 + 7) \\
&:= 8 + (888/8 \times (88 + 88)/8) \\
&:= 9 + ((9 \times 9 + 9) \times (9 + 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2451 &:= 11 + ((1 + 1) \times (11 \times 111 - 1)) \\
&:= (22/2 \times (222 + 2/2)) - 2 \\
&:= 3 + ((3^3 - 3) \times (3 \times 33 + 3)) \\
&:= 4 + ((4^4 \times ((4 + 4) + 4)) - (4/4 + 4)^4) \\
&:= 5 + (((5 - 5^5)/5) - 55) + 5^5 \\
&:= 666/6 + 6 \times (6 \times 66 - 6) \\
&:= 7/7 + 7 \times (7 \times 7 \times 7 + 7) \\
&:= (88/8 + 8) \times (8 \times (8 + 8) + 8/8) \\
&:= 9 + (999/9 \times ((99 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2452 &:= (11 \times (1 + (1 + 1) \times 111)) - 1 \\
&:= 2 + (2 \times (((22/2 + 22) + 2)^2)) \\
&:= 3 + (((3^3 - 3) \times (3 \times 33 + 3)) + 3/3) \\
&:= 4 \times (((4/4 + 4)^4 - 4 \times 4) + 4) \\
&:= (5 - 5/5) \times ((5^5 - (55 + 5))/5) \\
&:= 6 + ((6 \times 6 \times 66 + ((6 + 6)/6)^6) + 6) \\
&:= (7 + 7)/7 + 7 \times (7 \times 7 \times 7 + 7) \\
&:= (((88 \times (8 \times 8 - 8)) - 8)/(8 + 8)/8) - 8 \\
&:= ((99 + 99)/9) + (9 \times 9 + 9) \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2453 &:= 11 \times (1 + (1 + 1) \times 111) \\
&:= 22/2 \times (222 + 2/2) \\
&:= 33 + (33 \times 33 + (33/3)^3) \\
&:= 4 + (((4 - 4/4) + 4)^4) + 44 + 4 \\
&:= 5^5 - ((5/5 + 5) \times (555 + 5)/5) \\
&:= 6 + ((6 \times (6 \times 66 + 6 + 6)) - 6/6) \\
&:= (7 + 7 + 7)/7 + 7 \times (7 \times 7 \times 7 + 7) \\
&:= 88/8 \times (((8 \times (8 + 8) - 8/8) + 88) + 8) \\
&:= 99/9 \times (9 \times (9 + 9 + 9) - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2454 &:= 1 + (11 \times (1 + (1 + 1) \times 111)) \\
&:= 2 \times (((22/2 + 22) + 2)^2) + 2 \\
&:= 3^{3+3} + ((3 \times 3 + 3)^3 - 3) \\
&:= 4 + ((44 - 4)/4 \times (4^4 - 44/4)) \\
&:= 5 + ((5^5 - ((5^5 + 5)/5 + 55)) + 5) \\
&:= 6 + (6 \times (6 \times 66 + 6 + 6)) \\
&:= 77/7 + (7 \times (7 \times 7 \times 7 + 7) - 7) \\
&:= ((8 + 8)/8) \times (8 \times (8 \times 8 + 88) + (88/8)) \\
&:= 999 + (9 \times 9 \times (9 + 9) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2455 &:= 1 + (1 + (11 \times (1 + (1 + 1) \times 111))) \\
&:= 2 + (22/2 \times (222 + 2/2)) \\
&:= 3/3 + (((3 \times 3 + 3)^3 - 3) + 3^{3+3}) \\
&:= (4 \times (4/4 + 4)^4) - (44 + 4/4) \\
&:= 5 + ((5 + 5) \times (5 \times 5 \times (5 + 5) - 5)) \\
&:= 6 + ((6 \times (6 \times 66 + 6 + 6)) + 6/6) \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 7) - ((7 + 7)/7)) \\
&:= 8 + (((8 + 8) \times (8 \times 8 + 88)) - 8/8) + 8 + 8 \\
&:= 999 + (9 \times 9 \times (9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2456 &:= 1 + (1 + (1 + (11 \times (1 + (1 + 1) \times 111)))) \\
&:= (2 \times (22 + 2) + 2)^2 - (2 \times 22) \\
&:= 3^{3+3} + ((3 \times 3 + 3)^3 - 3/3) \\
&:= (4 \times (4/4 + 4)^4) - 44 \\
&:= (5 - 5/5) \times ((5^5 - 55)/5) \\
&:= 6 + ((6 \times (6 \times 66 + 6 + 6)) + ((6 + 6)/6)) \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 7) - 7/7) \\
&:= 8 + (((8 + 8) \times (8 \times 8 + 88)) + 8) + 8 \\
&:= 999 + (9 \times 9 \times (9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2457 &:= 11 + ((1 + 1) \times (1 + (1 + 11 \times 111))) \\
&:= 2 + ((22/2 \times (222 + 2/2)) + 2) \\
&:= 3^{3+3} + (3 \times 3 + 3)^3 \\
&:= 4/4 + ((4 \times (4/4 + 4)^4) - 44) \\
&:= 5 + ((5 - 5/5) \times ((5^5 - (55 + 5))/5)) \\
&:= 6 + (6 \times (6 \times 66 - 6) + 666/6) \\
&:= 7 + 7 \times (7 \times 7 \times 7 + 7) \\
&:= 8 \times 8 + (((8 - 8/8)^{8 \times 8/(8+8)} - 8) \\
&:= 999 + 9 \times 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2458 &:= (1+1) \times ((11 \times (1+111)) - (1+1+1)) \\
&:= 2^{2+2} + (22 \times 222/2) \\
&:= 3/3 + ((3 \times 3 + 3)^3 + 3^{3+3}) \\
&:= (4+4)/4 + ((4 \times (4/4+4)^4) - 44) \\
&:= 5^5 - ((555+5)/5 + 555) \\
&:= ((66-6)/6) + (6 \times (6 \times 66 + 6 + 6)) \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 7) + 7/7) \\
&:= 8 + ((888/8 \times (88+88)/8) + 8) \\
&:= 9/9 + (9 \times 9 \times (9+9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2459 &:= ((1+1) \times ((11 \times (1+111)) - (1+1))) - 1 \\
&:= 2^{2+2} + (((22 \times 222) + 2)/2) \\
&:= 3 + (((3 \times 3 + 3)^3 - 3/3) + 3^{3+3}) \\
&:= 4 + (4 \times (4/4 + 4)^4) - (44 + 4/4) \\
&:= 5^5 - (555/5 + 555) \\
&:= 66/6 + (6 \times (6 \times 66 + 6 + 6)) \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 7) + ((7+7)/7)) \\
&:= 8 + ((88/8 + 8) \times (8 \times (8+8) + 8/8)) \\
&:= (9+9)/9 + (9 \times 9 \times (9+9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2460 &:= (1+1) \times ((11 \times (1+111)) - (1+1)) \\
&:= (22-2) \times ((22/2)^2 + 2) \\
&:= 3 + ((3 \times 3 + 3)^3 + 3^{3+3}) \\
&:= 4 + ((4 \times (4/4 + 4)^4) - 44) \\
&:= (5-5/5) \times (5^5/5 - (5+5)) \\
&:= 6 + ((6 \times (6 \times 66 + 6 + 6)) + 6) \\
&:= ((77-7)/7) + 7 \times (7 \times 7 \times 7 + 7) \\
&:= ((88 \times (8 \times 8 - 8)) - 8)/((8+8)/8) \\
&:= 999/9 + 9 \times (9 \times (9+9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2461 &:= ((1+1) \times ((11 \times (1+111)) - 1)) - 1 \\
&:= (((22 \times (222+2)) - 2)/2) - 2 \\
&:= 3 + (((3 \times 3 + 3)^3 + 3^{3+3}) + 3/3) \\
&:= 4 \times 4 + (((4-4/4) + 4)^4) + 44 \\
&:= 5 + ((5-5/5) \times ((5^5-55)/5)) \\
&:= 6 + (((6 \times (6 \times 66 + 6 + 6)) + 6/6) + 6) \\
&:= 77/7 + 7 \times (7 \times 7 \times 7 + 7) \\
&:= 8/8 + (((88 \times (8 \times 8 - 8)) - 8)/((8+8)/8)) \\
&:= ((999+9)/9) + 9 \times (9 \times (9+9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2462 &:= (1+1) \times ((11 \times (1+111)) - 1) \\
&:= (22 \times (222+2)/2) - 2 \\
&:= 33 + ((3 \times (3^3 \times (3^3+3))) - 3/3) \\
&:= (4^4 + 4)/4 + (((4-4/4) + 4)^4) - 4 \\
&:= 5 \times 555 - (5^5 + 5)/(5+5) \\
&:= 6 + (((6 \times (6 \times 66 + 6 + 6)) + ((6+6)/6)) + 6) \\
&:= (77+7)/7 + 7 \times (7 \times 7 \times 7 + 7) \\
&:= (8 \times ((88 \times (8 \times 8 - 8))/(8+8))) - (8+8)/8 \\
&:= 9 + ((99/9) \times (9 \times (9+9+9) - (99/9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2463 &:= ((1+1) \times (11 \times (1+111))) - 1 \\
&:= ((22 \times (222+2)) - 2)/2 \\
&:= 33 + (3 \times (3^3 \times (3^3+3))) \\
&:= (44 \times (44+4+4+4)) - 4/4 \\
&:= 5 \times 555 + ((5-5^5)/(5+5)) \\
&:= 6 + ((6 \times (6 \times 66 - 6) + 666/6) + 6) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 + 7) - 7/7) + 7) \\
&:= (8 \times ((88 \times (8 \times 8 - 8))/(8+8))) - 8/8 \\
&:= ((9+9+9)/9) \times (9 \times (9 \times 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2464 &:= (1+1) \times (11 \times (1+111)) \\
&:= 22 \times (222+2)/2 \\
&:= 3/3 + ((3 \times (3^3 \times (3^3+3))) + 33) \\
&:= 44 \times (44+4+4+4) \\
&:= 5^5 - (((55+5^5)/5) + 5 \times 5) \\
&:= 66/6 \times ((6 \times 6 \times 6 + (6+6)/6) + 6) \\
&:= 7 + 7 \times (7 \times 7 \times 7 + 7) + 7 \\
&:= 8 \times ((88 \times (8 \times 8 - 8))/(8+8)) \\
&:= ((9/9+9+9) + 9) \times (99 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2465 &:= 1 + ((1+1) \times (11 \times (1+111))) \\
&:= ((22 \times (222+2)) + 2)/2 \\
&:= (33/3)^3 + (3^3 \times (3 \times 3 + 33)) \\
&:= 4 \times 4 \times 4 + (((4-4/4) + 4)^4) \\
&:= 5^5 - (55 \times ((55+5)/5)) \\
&:= 6 + ((6 \times (6 \times 66 + 6 + 6)) + (66/6)) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 + 7) + 7/7) + 7) \\
&:= 8 \times 8 + ((8-8/8)^{8 \times 8/(8+8)}) \\
&:= 9 + ((9 \times 9 \times (9+9) - 9/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2466 &:= (1+1) \times (1 + (11 \times (1+111))) \\
&:= 2 + (22 \times (222+2)/2) \\
&:= 3 + ((3 \times (3^3 \times (3^3+3))) + 33) \\
&:= (4^4 + 4)/4 + (((4-4/4) + 4)^4) \\
&:= 5^5 + ((5 - (55 \times (55+5)))/5) \\
&:= 6 + (((6 \times (6 \times 66 + 6 + 6)) + 6/6) + 6) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 + 7) + ((7+7)/7)) + 7) \\
&:= 8/8 + (((8-8/8)^{8 \times 8/(8+8)}) + 8 \times 8) \\
&:= 9 + (9 \times 9 \times (9+9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2467 &:= 1 + ((1+1) \times (1 + (11 \times (1+111)))) \\
&:= 2 + (22 \times (222+2) + 2)/2 \\
&:= 3 + (((3 \times (3^3 \times (3^3+3))) + 33) + 3/3) \\
&:= (4 \times ((4/4 + 4)^4 - (4+4))) - 4/4 \\
&:= 5 + (5 \times 555 - (5^5 + 5)/(5+5)) \\
&:= 66 + ((6/6 + 6)^{6-(6+6)/6}) \\
&:= 77 + (7 \times 7 \times 7 \times 7 - (77/7)) \\
&:= 8 + (((88/8 + 8) \times (8 \times (8+8) + 8/8)) + 8) \\
&:= 9 + ((9 \times 9 \times (9+9) + 999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2468 &:= (1+1) \times (1 + (1 + (11 \times (1+111)))) \\
&:= 2 + 22 \times (222+2)/2 + 2 \\
&:= 3^{3+3} + ((3 \times 3 + 3)^3 + 33/3) \\
&:= 4 \times ((4/4 + 4)^4 - (4+4)) \\
&:= 5^5 - (((5+5)/5)^5 + 5^5/5) \\
&:= 6 \times 6 + (((6+6)/6)^6 \times ((6+6)/6 + 6 \times 6)) \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 7) + (77/7)) \\
&:= ((88 \times (8 \times 8 - 8)) + 8)/((8+8)/8) \\
&:= 99/9 + (9 \times 9 \times (9+9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2469 &:= 1 + ((1+1) \times (1 + (1 + (11 \times (1+111)))))) \\
&:= 2 + ((22 \times (222+2) + 2)/2 + 2) \\
&:= (33 \times ((3 \times (3^3 - 3)) + 3)) - 3 - 3 \\
&:= 4 + (((4-4/4) + 4)^4) + 4 \times 4 \times 4 \\
&:= 5^5 - (((5^5 + 5)/5 + 5 \times 5) + 5) \\
&:= 666/6 + (6 \times 6 \times 66 - (6+6+6)) \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 7) + (77+7)/7) \\
&:= 8/8 + (((88 \times (8 \times 8 - 8)) + 8)/((8+8)/8)) \\
&:= 9 + (9 \times (9 \times (9+9) + 99) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2470 &:= (1+1) \times (1 + (1 + (1 + (11 \times (1+111)))))) \\
&:= 2 + (22 \times (222+2)/2 + 2 + 2) \\
&:= (3 \times 3 + 3/3) \times (((3^{3+3} + 3)/3) + 3) \\
&:= 4 + (((4-4/4) + 4)^4) + (4^4 + 4)/4 \\
&:= 55 \times 55 - 555 \\
&:= (66 - 6/6) \times ((6+6)/6 + 6 \times 6) \\
&:= 77 + (7 \times 7 \times 7 \times 7 - (7/7 + 7)) \\
&:= (88/8 + 8) \times (8 \times (8+8) + ((8+8)/8)) \\
&:= (9/9 + 9) \times (((9+9)/9)^{9-9/9} - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2471 &:= 1 + ((1+1) \times (1 + (1 + (1 + (11 \times (1+111)))))) \\
&:= (2 \times (2 + 2 + 2)^{2+2}) - (22/2)^2 \\
&:= (33 \times ((3 \times (3^3 - 3)) + 3)) - (3/3 + 3) \\
&:= 4 + ((4 \times ((4/4 + 4)^4 - (4+4))) - 4/4) \\
&:= 5^5 + (((5-5^5)/5) - (5 \times 5 + 5)) \\
&:= 66 + ((6 \times 6 + 6/6) \times (66 - 6/6)) \\
&:= 77 + (7 \times 7 \times 7 \times 7 - 7) \\
&:= ((8+8+8) \times (888/8 - 8)) - 8/8 \\
&:= ((9 \times 9 - 9/9) \times (((99+99)/9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2472 &:= 11 + (((1+1) \times ((11 \times (1+111)) - 1)) - 1) \\
&:= 2 \times (2 \times ((2 \times (22 \times (2^{2+2} - 2))) + 2)) \\
&:= (33 \times ((3 \times (3^3 - 3)) + 3)) - 3 \\
&:= 4 + (4 \times ((4/4 + 4)^4 - (4+4))) \\
&:= (5-5/5) \times ((5^5 - 5 - 5)/5 - 5) \\
&:= 66 + (6 \times (6 \times 66 + 6) - 6) \\
&:= 7/7 + ((7 \times 7 \times 7 \times 7 - 7) + 77) \\
&:= (8+8+8) \times (888/8 - 8) \\
&:= (9-9/9) \times ((999/9 + 99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2473 &:= 11 + ((1 + 1) \times ((11 \times (1 + 111)) - 1)) \\
&:= ((22/2 + 2)^2) + ((2 \times (22 + 2))^2) \\
&:= 3/3 + ((33 \times ((3 \times (3^3 - 3)) + 3)) - 3) \\
&:= (4 \times ((4/4 + 4)^4 - 4)) - 44/4 \\
&:= 5^5 - ((5^5 + 5 + 5)/5 + 5 \times 5) \\
&:= ((6 \times 6 + 6/6) \times (66 + 6/6)) - 6 \\
&:= 77 + ((7 \times 7 \times 7 \times 7 - 7) + ((7 + 7)/7)) \\
&:= 8 + (((8 - 8/8)^{8 \times 8 / (8+8)}) + 8 \times 8) \\
&:= 9 + (((9/9 + 9 + 9) + 9) \times (99 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2474 &:= (11 \times (1 + ((1 + 1) \times (1 + 111)))) - 1 \\
&:= 2222 + (2^{2 \times (2+2)} - (2 + 2)) \\
&:= (33 \times ((3 \times (3^3 - 3)) + 3)) - 3/3 \\
&:= 4^4 + (4 \times 4444 / (4 + 4) - 4) \\
&:= 5^5 - ((5^5 + 5)/5 + 5 \times 5) \\
&:= 66 + ((6 \times (6 \times 66 + 6) - 6) + ((6 + 6)/6)) \\
&:= 7 + ((7 \times 7 \times 7 \times 7 - (77/7)) + 77) \\
&:= (8 + 8)/8 + ((8 + 8 + 8) \times (888/8 - 8)) \\
&:= (99 \times (((9 - ((9 + 9)/9)) + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2475 &:= 11 \times (1 + ((1 + 1) \times (1 + 111))) \\
&:= 22/2 \times ((222 + 2/2) + 2) \\
&:= 33 \times ((3 \times (3^3 - 3)) + 3) \\
&:= (44 + 4/4) \times (44/4 + 44) \\
&:= 55 \times (55 - 5 - 5) \\
&:= 666/6 + (6 \times 6 \times 66 - (6 + 6)) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 + 7) + (77/7)) + 7) \\
&:= 88/8 \times ((8 - 8/8 + 8)^{(8+8)/8}) \\
&:= 99 \times (((9 - ((9 + 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2476 &:= 1 + (11 \times (1 + ((1 + 1) \times (1 + 111)))) \\
&:= 2222 + (2^{2 \times (2+2)} - 2) \\
&:= 3/3 + (33 \times ((3 \times (3^3 - 3)) + 3)) \\
&:= 4^4 + (4/4 + 4) \times 444 \\
&:= 5^5 + (((5 - 5^5)/5) - 5 \times 5) \\
&:= ((6 + 6)/6)^6 + 6 \times (6 \times 66 + 6) \\
&:= 77 + (7 \times 7 \times 7 \times 7 - ((7 + 7)/7)) \\
&:= 8 + (((88 \times (8 \times 8 - 8)) + 8) / ((8 + 8)/8)) \\
&:= 9/9 + (99 \times (((9 - ((9 + 9)/9)) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2477 &:= 1 + (1 + (11 \times (1 + ((1 + 1) \times (1 + 111)))))) \\
&:= 2 + (22/2 \times ((222 + 2/2) + 2)) \\
&:= 3 + ((33 \times ((3 \times (3^3 - 3)) + 3)) - 3/3) \\
&:= 4 + ((4 \times ((4/4 + 4)^4 - 4)) - 44/4) \\
&:= 5^5 + (((5 - 5^5) + 5)/5) - 5 \times 5 \\
&:= 66 + (6 \times (6 \times 66 + 6) - 6/6) \\
&:= 77 + (7 \times 7 \times 7 \times 7 - 7/7) \\
&:= 8 \times 8 + ((88/8 + 8) \times (8 \times (8 + 8) - 8/8)) \\
&:= 9 + ((9 \times 9 \times (9 + 9) + 999) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2478 &:= 1 + (1 + (1 + (11 \times (1 + ((1 + 1) \times (1 + 111)))))) \\
&:= 2222 + 2^{2 \times (2+2)} \\
&:= 3 + (33 \times ((3 \times (3^3 - 3)) + 3)) \\
&:= 4^4 + 4 \times 4444 / (4 + 4) \\
&:= 5^5 - (((55 + 55) + 5^5)/5) \\
&:= 66 + 6 \times (6 \times 66 + 6) \\
&:= 77 + 7 \times 7 \times 7 \times 7 \\
&:= 8 + ((88/8 + 8) \times (8 \times (8 + 8) + ((8 + 8)/8))) \\
&:= (9 - ((9 + 9 + 9)/9)) \times (((9 + 9)/9)^9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2479 &:= 11 + ((1 + 1) \times (1 + (1 + (11 \times (1 + 111)))))) \\
&:= 2/2 + (2222 + 2^{2 \times (2+2)}) \\
&:= 3 + ((33 \times ((3 \times (3^3 - 3)) + 3)) + 3/3) \\
&:= (4 \times ((4/4 + 4)^4 - 4)) - (4/4 + 4) \\
&:= 5 + (5^5 - ((5^5 + 5)/5 + 5 \times 5)) \\
&:= (6 \times 6 + 6/6) \times (66 + 6/6) \\
&:= 7/7 + (7 \times 7 \times 7 \times 7 + 77) \\
&:= 8 + (((8 + 8 + 8) \times (888/8 - 8)) - 8/8) \\
&:= 9 + ((9/9 + 9) \times (((9 + 9)/9)^{9-9/9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2480 &:= (1 + 1) \times ((11 - 1) \times (1 + (1 + (1 + 11^{1+1})))) \\
&:= 2 + (2222 + 2^{2 \times (2+2)}) \\
&:= ((3^3 + 3/3) + 3) \times (3 \times 3^3 - 3/3) \\
&:= 4 \times (444 + 4 \times 44) \\
&:= 5 + (55 \times (55 - 5 - 5)) \\
&:= 66 + (6 \times (6 \times 66 + 6) + ((6 + 6)/6)) \\
&:= 77 + (7 \times 7 \times 7 \times 7 + ((7 + 7)/7)) \\
&:= 8 + ((8 + 8 + 8) \times (888/8 - 8)) \\
&:= (9 \times 9 - 9/9) \times (((99 + 99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2481 &:= (1 + 1 + 1) \times ((1 + 1)^{11} - 11 \times 111) \\
&:= (2 \times (2 + 2 + 2)^{2+2}) - 222/2 \\
&:= (3 \times (3 \times 33 + 3^{3+3})) - 3 \\
&:= 4/4 + (4 \times (444 + 4 \times 44)) \\
&:= 5 + (((5 - 5^5)/5) - 5 \times 5) + 5^5 \\
&:= 666/6 + (6 \times 6 \times 66 - 6) \\
&:= 7 \times (7 \times 7 - 7) + ((7 + 7 + 7)/7)^7 \\
&:= 88 + (((8 - 8/8)^{8 \times 8 / (8+8)}) - 8) \\
&:= 9 \times 9 + ((99/9 + 9) \times (999/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2482 &:= (1 + 1) \times ((11 \times (1 + 1 + 111)) - (1 + 1)) \\
&:= (2 \times (22 + 2 + 2))^2 - 222 \\
&:= (3/3 + 33) \times (((3 + 3)^3 + 3)/3) \\
&:= (4 - 4/4)^4 + (((4 - 4/4) + 4)^4) \\
&:= 5 + (((5 - 5^5) + 5)/5) - 5 \times 5 + 5^5 \\
&:= 6 + (6 \times (6 \times 66 + 6) + ((6 + 6)/6)^6) \\
&:= 77 + ((7 \times 7 \times 7 \times 7 - 7) + (77/7)) \\
&:= 8 \times 88 + (((8 + 8)/8) \times (888 + 8/8)) \\
&:= ((9 + 9)/9) \times (((9 + 9)/9)^9) + 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2483 &:= ((1 + 1) \times ((11 \times (1 + 1 + 111)) - 1)) - 1 \\
&:= 22 \times (222/2 + 2) - 2/2 - 2 \\
&:= (3 \times (3 \times 33 + 3^{3+3})) - 3/3 \\
&:= (4 \times ((4/4 + 4)^4 - 4)) - 4/4 \\
&:= 5^5 - (((55 + 5^5) + 5)/5) + 5 \\
&:= (6 \times ((6 \times 66 + 6 + 6) + 6)) - 6/6 \\
&:= 7 + ((7 \times 7 \times 7 \times 7 - ((7 + 7)/7)) + 77) \\
&:= 8 + (88/8 \times ((8 - 8/8 + 8)^{(8+8)/8})) \\
&:= ((9 + 9 + 9) \times ((99/9) + 9 \times 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2484 &:= (1 + 1) \times ((11 \times (1 + 1 + 111)) - 1) \\
&:= 22 \times (222/2 + 2) - 2 \\
&:= 3 \times (3 \times 33 + 3^{3+3}) \\
&:= 4 \times ((4/4 + 4)^4 - 4) \\
&:= 5^5 - (((55 + 5^5)/5) + 5) \\
&:= 6 \times ((6 \times 66 + 6 + 6) + 6) \\
&:= 7 + ((7 \times 7 \times 7 \times 7 - 7/7) + 77) \\
&:= 8 + (((88 \times (8 \times 8 - 8)) + 8) / ((8 + 8)/8)) + 8 \\
&:= (9 + 9 + 9) \times ((99/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2485 &:= ((1 + 1) \times (11 \times (1 + 1 + 111))) - 1 \\
&:= 22 \times (222/2 + 2) - 2/2 \\
&:= 3/3 + (3 \times (3 \times 33 + 3^{3+3})) \\
&:= 4/4 + (4 \times ((4/4 + 4)^4 - 4)) \\
&:= 5 + ((55 \times (55 - 5 - 5)) + 5) \\
&:= 6 + ((6 \times 6 + 6/6) \times (66 + 6/6)) \\
&:= 7 + (7 \times 7 \times 7 \times 7 + 77) \\
&:= ((8 + 8 + 8) \times (88 + 8 + 8)) - 88/8 \\
&:= 9/9 + ((9 + 9 + 9) \times ((99/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2486 &:= (1 + 1) \times (11 \times (1 + 1 + 111)) \\
&:= 22 \times (222/2 + 2) \\
&:= 3 + ((3 \times (3 \times 33 + 3^{3+3})) - 3/3) \\
&:= (4 + 4)/4 + (4 \times ((4/4 + 4)^4 - 4)) \\
&:= 5^5 + (((5 - 5^5)/5) - (5 + 5 + 5)) \\
&:= 6 \times 6 \times 66 + (666 - 6)/6 \\
&:= 7 + ((7 \times 7 \times 7 \times 7 + 77) + 7/7) \\
&:= (8 - 88)/8 + ((8 + 8 + 8) \times (88 + 8 + 8)) \\
&:= (9 + 9)/9 + ((9 + 9 + 9) \times ((99/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2487 &:= 1 + ((1 + 1) \times (11 \times (1 + 1 + 111))) \\
&:= 2/2 + 22 \times (222/2 + 2) \\
&:= 3 + (3 \times (3 \times 33 + 3^{3+3})) \\
&:= 4 + ((4 \times ((4/4 + 4)^4 - 4)) - 4/4) \\
&:= 5^5 - (((55 + 5^5) + 5)/5) \\
&:= 666/6 + 6 \times 6 \times 66 \\
&:= 7 + ((7 \times 7 \times 7 \times 7 + (7 + 7)/7)) + 77 \\
&:= ((8 + 8 + 8) \times (88 + 8 + 8)) - (8/8 + 8) \\
&:= ((9 + 9 + 9)/9) \times ((9 \times 9 \times 9 + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2488 &:= (1+1) \times (1+(11 \times (1+1+111))) \\
&:= 2+22 \times (222/2+2) \\
&:= 3+((3 \times (3 \times 33+3^{3+3}))+3/3) \\
&:= 4+(4 \times ((4/4+4)^4-4)) \\
&:= 5^5 - ((55+5^5+5)/5) \\
&:= 6 \times 6 \times 66 + (666+6)/6 \\
&:= (7 \times (7 \times 7 \times 7+7+7)) - 77/7 \\
&:= ((8+8+8) \times (88+8+8)) - 8 \\
&:= 9 \times (9 \times (9+9) - 9) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2489 &:= 1 + ((1+1) \times (1+(11 \times (1+1+111)))) \\
&:= 2^{22/2} + ((22-2/2)^2) \\
&:= (((3^3+3) \times ((3+3)^3+33)) - 3)/3 \\
&:= (4 \times (4/4+4)^4) - 44/4 \\
&:= 5^5 - ((55+5^5)/5) \\
&:= 6 + ((6 \times ((6 \times 66+6+6)+6)) - 6/6) \\
&:= 77 + (7 \times 7 \times 7 + 7 + (77/7)) \\
&:= 88 + ((8-8/8)^{8 \times 8/(8+8)}) \\
&:= 9 + ((9 \times 9 - 9/9) \times (((99+99)/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2490 &:= (1+1) \times (1+(1+(11 \times (1+1+111)))) \\
&:= 2 + (22 \times (222/2+2) + 2) \\
&:= 3 + ((3 \times (3 \times 33+3^{3+3}))+3) \\
&:= (4-44)/4 + (4 \times (4/4+4)^4) \\
&:= 5^5 - (5^5/5+5+5) \\
&:= 6 + (6 \times ((6 \times 66+6+6)+6)) \\
&:= 77 + (7 \times 7 \times 7 + 7 + (77/7)) \\
&:= 8/8 + (((8-8/8)^{8 \times 8/(8+8)}) + 88) \\
&:= (((9+9)/9) + 9 \times 9) \times (((99+9)/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2491 &:= 1 + ((1+1) \times (1+(1+(11 \times (1+1+111)))))) \\
&:= 2 + (((22-2/2)^2) + 2^{22/2}) \\
&:= (((3^3+3) \times ((3+3)^3+33)) + 3)/3 \\
&:= 444 + (4^4 \times (4+4) - 4/4) \\
&:= 5^5 + (((5-5^5)/5) - (5+5)) \\
&:= 6 + (((6 \times 6+6/6) \times (66+6/6)) + 6) \\
&:= (7 \times (7 \times 7 \times 7+7+7)) - (7/7+7) \\
&:= 88 + ((8/8+88) \times (88/8+8+8)) \\
&:= (((9 \times 99+9)/(9+9))^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2492 &:= (1+1)^{11} + ((1+1) \times (1+1) \times 111) \\
&:= 2^{22/2} + 2 \times 222 \\
&:= (3^3+3/3) \times ((3 \times (3^3+3)) - 3/3) \\
&:= 444 + 4^4 \times (4+4) \\
&:= (5-5/5) \times (5^5-5-5)/5 \\
&:= 6 + (((666-6)/6) + 6 \times 6 \times 66) \\
&:= (7 \times (7 \times 7 \times 7+7+7)) - 7 \\
&:= (8-8/8) \times ((8 \times 88+8)/((8+8)/8)) \\
&:= (((9+9)/9)^9) + (99 \times (99/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2493 &:= 1 + ((1+1)^{11} + ((1+1) \times (1+1) \times 111)) \\
&:= 2/2 + (2^{22/2} + 2 \times 222) \\
&:= 3 \times ((3 \times 33+3^{3+3}) + 3) \\
&:= 4 + ((4 \times (4/4+4)^4) - 44/4) \\
&:= 5^5 - ((5^5+5+5)/5+5) \\
&:= 6 + (666/6+6 \times 6 \times 66) \\
&:= ((7/7+7 \times 7)^{(7+7)/7}) - 7 \\
&:= 8 + (((8+8+8) \times (88+8+8)) - (88/8)) \\
&:= 9 + ((9+9+9) \times ((99/9)+9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2494 &:= (1+1)^{11} + ((1+1) \times (1+(1+1) \times 111)) \\
&:= 2 + (2^{22/2} + 2 \times 222) \\
&:= 3/3 + (3 \times ((3 \times 33+3^{3+3}) + 3)) \\
&:= (4 \times (4/4+4)^4) - ((4+4)/4+4) \\
&:= 5^5 - ((5^5+5)/5+5) \\
&:= 6 + ((666+6)/6+6 \times 6 \times 66) \\
&:= 7/7 + (((7/7+7 \times 7)^{(7+7)/7}) - 7) \\
&:= ((8+8+8) \times (88+8+8)) - (8+8)/8 \\
&:= 9 + (((9+9+9) \times ((99/9)+9 \times 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2495 &:= 11 + ((1+1) \times ((11 \times (1+1+111)) - 1)) \\
&:= (2 \times (22+2) + 2)^2 - (2/2+2+2) \\
&:= 33/3 + (3 \times (3 \times 33+3^{3+3})) \\
&:= (4 \times (4/4+4)^4) - (4/4+4) \\
&:= 5^5 - (5^5/5+5) \\
&:= 66/6 + (6 \times ((6 \times 66+6+6)+6)) \\
&:= 7 + ((7 \times (7 \times 7 \times 7+7+7)) - (77/7)) \\
&:= ((8+8+8) \times (88+8+8)) - 8/8 \\
&:= 99/9 + ((9+9+9) \times ((99/9)+9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2496 &:= (11 \times (1+((1+1) \times (1+1+111)))) - 1 \\
&:= (2 \times (22+2) + 2)^2 - 2 - 2 \\
&:= (3^3 - 3/3) \times (3 \times 33 - 3) \\
&:= (4 \times (4/4+4)^4) - 4 \\
&:= 5^5 + (((5-5^5)/5) - 5) \\
&:= 6 + ((6 \times ((6 \times 66+6+6)+6)) + 6) \\
&:= 7 + ((7 \times 7 \times 7 \times 7 + (77/7)) + 77) \\
&:= (8+8+8) \times (88+8+8) \\
&:= (9-9/9) \times ((9+9) \times (9+9) - ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2497 &:= 11 \times (1+((1+1) \times (1+1+111))) \\
&:= (2 \times (22+2) + 2)^2 - 2/2 - 2 \\
&:= 33/3 \times ((3+3)^3+33/3) \\
&:= 4/4 + ((4 \times (4/4+4)^4) - 4) \\
&:= 5^5 + (((5-5^5)+5)/5) - 5 \\
&:= 66/6 \times (6 \times 6 \times 6+66/6) \\
&:= (7 \times (7 \times 7 \times 7+7+7)) - (7+7)/7 \\
&:= 8/8 + ((8+8+8) \times (88+8+8)) \\
&:= 9 + (9 \times (9 \times (9+9) - 9) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2498 &:= 1 + (11 \times (1+((1+1) \times (1+1+111)))) \\
&:= (2 \times (22+2) + 2)^2 - 2 \\
&:= (3 \times (3+3))^3 - (3333+3/3) \\
&:= (4 \times (4/4+4)^4) - (4+4)/4 \\
&:= 5^5 - (5^5+5+5)/5 \\
&:= 6 \times 6 \times 66 + ((666+66)/6) \\
&:= (7 \times (7 \times 7 \times 7+7+7)) - 7/7 \\
&:= (8+8)/8 + ((8+8+8) \times (88+8+8)) \\
&:= 9 + (((9 \times 9 - 9/9) \times ((99+99)/9) + 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2499 &:= (((11-1)^{1+1}/(1+1))^{1+1}) - 1 \\
&:= (2 \times (22+2) + 2)^2 - 2/2 \\
&:= (3 \times (3+3))^3 - 3333 \\
&:= (4 \times (4/4+4)^4) - 4/4 \\
&:= 5^5 - (5^5+5)/5 \\
&:= 6 + ((666/6+6 \times 6 \times 66) + 6) \\
&:= 7 \times (7 \times 7 \times 7+7+7) \\
&:= 88/8 + (((8+8+8) \times (88+8+8)) - 8) \\
&:= 99 + ((99/9+9) \times (999/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2500 &:= ((11-1)^{1+1}/(1+1))^{1+1} \\
&:= (2 \times (22+2) + 2)^2 \\
&:= 3 + (33/3 \times ((3+3)^3+33/3)) \\
&:= 4 \times (4/4+4)^4 \\
&:= 5^5 - 5^5/5 \\
&:= ((6+6)/6+6 \times 6+6+6)^{(6+6)/6} \\
&:= (7/7+7 \times 7)^{(7+7)/7} \\
&:= (((8+8)/8) - (8+8)) + 8 \times 8)^{(8+8)/8} \\
&:= ((9 \times 99+9)/(9+9))^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2501 &:= 1 + (((11-1)^{1+1}/(1+1))^{1+1}) \\
&:= 2/2 + (2 \times (22+2) + 2)^2 \\
&:= ((33/3+3)^3) - 3 \times 3 \times 3^3 \\
&:= 4/4 + (4 \times (4/4+4)^4) \\
&:= 5^5 + ((5-5^5)/5) \\
&:= (6 \times 6 - 6/6+6) \times (66-6+6/6) \\
&:= 7/7 + ((7/7+7 \times 7)^{(7+7)/7}) \\
&:= 88 + ((88/8+8) \times (8 \times (8+8) - 8/8)) \\
&:= 9 \times 9 \times 9 + ((9+9) \times 99 - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2502 &:= 1 + (1+(((11-1)^{1+1}/(1+1))^{1+1})) \\
&:= 2 + (2 \times (22+2) + 2)^2 \\
&:= 3 + ((3 \times (3+3))^3 - 3333) \\
&:= (4+4)/4 + (4 \times (4/4+4)^4) \\
&:= 5^5 + (((5-5^5)+5)/5) \\
&:= (66 \times ((6+6)/6+6 \times 6)) - 6 \\
&:= (7+7)/7 + ((7/7+7 \times 7)^{(7+7)/7}) \\
&:= 8 + (((8+8+8) \times (88+8+8)) - ((8+8)/8)) \\
&:= 9 \times 9 \times 9 + ((9+9) \times 99 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2503 &:= ((11 \times (1+1)^{11}) - 1)/(11 - 1 - 1) \\
&:= 2 + (2 \times (22 + 2) + 2)^2 + 2/2 \\
&:= 3 + ((33/3 \times ((3+3)^3 + 33/3)) + 3) \\
&:= 4 + ((4 \times (4/4 + 4)^4) - 4/4) \\
&:= 5 + (5^5 - (5^5 + 5 + 5)/5) \\
&:= 6 + 66/6 \times (6 \times 6 \times 6 + 66/6) \\
&:= 77/7 + ((7 \times (7 \times 7 \times 7 + 7 + 7)) - 7) \\
&:= 8 + (((8 + 8 + 8) \times (88 + 8 + 8)) - 8/8) \\
&:= 9/9 + (((9 + 9) \times 99 - 9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2508 &:= (1 + 1) \times (11 \times (1 + 1 + 1 + 111)) \\
&:= 22 \times ((222 + 2)/2 + 2) \\
&:= 33 \times (((3 + 3)^3 + 3)/3 + 3) \\
&:= 4 + ((4 \times (4/4 + 4)^4) + 4) \\
&:= (5 - 5/5) \times (5^5 + 5 + 5)/5 \\
&:= 66 \times ((6 + 6)/6 + 6 \times 6) \\
&:= 7 + (((7/7 + 7 \times 7)^{(7+7)/7}) + 7/7) \\
&:= (88/((8 + 8)/8)) \times ((8/8 - 8) + 8 \times 8) \\
&:= 9 \times 9 \times 9 + ((9 + 9) \times 99 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2513 &:= 1 + (1 + (11 + (((11 - 1)^{1+1}/(1 + 1))^{1+1}))) \\
&:= 2 + ((2 \times (22 + 2) + 2)^2 + 22/2) \\
&:= 3 + ((3^3 \times ((3 \times (3^3 + 3)) + 3)) - 3/3) \\
&:= 4/4 + ((4 \times ((4/4 + 4)^4 + 4)) - 4) \\
&:= 5 + ((5 - 5/5) \times (5^5 + 5 + 5)/5) \\
&:= (6/6 + 6) \times (6 \times (66 - 6) - 6/6) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 + 7 + 7)) + 7) \\
&:= 8 + (((8 + 8 + 8) \times (88 + 8 + 8)) + 8/8) + 8) \\
&:= 9 \times 9 \times 9 + ((9 + 9) \times 99 + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2504 &:= 1 + (((11 \times (1 + 1)^{11}) - 1)/(11 - 1 - 1)) \\
&:= 2 + (2 \times (22 + 2) + 2)^2 + 2 \\
&:= 3 + (((33/3 + 3)^3) - 3 \times 3 \times 3^3) \\
&:= 4 + (4 \times (4/4 + 4)^4) \\
&:= 5 + (5^5 - (5^5 + 5)/5) \\
&:= 6 \times 6 \times 66 + (((6 + 6)/6)^{6/6+6}) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 + 7 + 7)) - ((7 + 7)/7)) \\
&:= 8 + ((8 + 8 + 8) \times (88 + 8 + 8)) \\
&:= (9 - 9/9) \times ((9 + 9) \times (9 + 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2509 &:= 1 + ((1 + 1) \times (11 \times (1 + 1 + 1 + 111))) \\
&:= 22^2 + (2 \times 22 + 2/2)^2 \\
&:= 3/3 + (33 \times (((3 + 3)^3 + 3)/3 + 3)) \\
&:= 4 + (((4 \times (4/4 + 4)^4) + 4/4) + 4) \\
&:= 5 + ((5^5 - (5^5 + 5)/5) + 5) \\
&:= 6/6 + (66 \times ((6 + 6)/6 + 6 \times 6)) \\
&:= ((77 - 7)/7) + (7 \times (7 \times 7 \times 7 + 7 + 7)) \\
&:= 88 + (((8 + 8) \times (8 \times 8 + 88)) - (88/8)) \\
&:= 9 + (((9 \times 99 + 9)/(9 + 9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2514 &:= 11 + (((11 \times (1 + 1)^{11}) - 1)/(11 - 1 - 1)) \\
&:= 2 + ((2 \times 22)^2 + ((22 + 2)^2)) \\
&:= 3 + (3^3 \times ((3 \times (3^3 + 3)) + 3)) \\
&:= (4 \times ((4/4 + 4)^4 + 4)) - (4 + 4)/4 \\
&:= 5 + (((5^5 - (5^5 + 5)/5) + 5) + 5) \\
&:= ((6 + 6) \times (6 \times 6 \times 6 - 6)) - 6 \\
&:= 7 + (((7/7 + 7 \times 7)^{(7+7)/7}) + 7) \\
&:= 8 + (((8 + 8 + 8) \times (88 + 8 + 8)) + ((8 + 8)/8) + 8) \\
&:= 9 \times 9 \times 9 + ((9 + 9) \times 99 + ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2505 &:= ((1 + (11 + 11)) \times (111 - 1 - 1)) - 1 - 1 \\
&:= 2 + (2 \times (22 + 2) + 2)^2 + 2/2 + 2 \\
&:= (3^3 \times ((3 \times (3^3 + 3)) + 3)) - 3 - 3 \\
&:= 4 + ((4 \times (4/4 + 4)^4) + 4/4) \\
&:= 5 + (5^5 - 5^5/5) \\
&:= 6 + (((666/6 + 6 \times 6 \times 66) + 6) + 6) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 + 7 + 7)) - 7/7) \\
&:= 8 + (((8 + 8 + 8) \times (88 + 8 + 8)) + 8/8) \\
&:= 9 + ((9 - 9/9) \times ((9 + 9) \times (9 + 9) - ((99 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2510 &:= (1 + 1) \times (1 + (11 \times (1 + 1 + 1 + 111))) \\
&:= 2 + 22 \times ((222 + 2)/2 + 2) \\
&:= (3^3 \times ((3 \times (3^3 + 3)) + 3)) - 3/3 \\
&:= (44 - 4)/4 + (4 \times (4/4 + 4)^4) \\
&:= 5 + ((5^5 - 5^5/5) + 5) \\
&:= (6 + 6)/6 + (66 \times ((6 + 6)/6 + 6 \times 6)) \\
&:= 77/7 + (7 \times (7 \times 7 \times 7 + 7 + 7)) \\
&:= 88 \times (8 + 8) + ((8888 - 8)/8 - 8) \\
&:= 9 \times 9 \times 9 + ((9 + 9) \times 99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2515 &:= 1 + (11 + (((11 \times (1 + 1)^{11}) - 1)/(11 - 1 - 1))) \\
&:= 2 + (((2 \times (22 + 2) + 2)^2 + 22/2) + 2) \\
&:= 3 + ((3^3 \times ((3 \times (3^3 + 3)) + 3)) + 3/3) \\
&:= (4 \times ((4/4 + 4)^4 + 4)) - 4/4 \\
&:= 5^5 - (555 + 55) \\
&:= 6/6 + (((6 + 6) \times (6 \times 6 \times 6 - 6)) - 6) \\
&:= 7 \times 7 \times 7 + ((7 + 7)/7)^7 - (7 + 7) \\
&:= 8 + (((8 + 8 + 8) \times (88 + 8 + 8)) + (88/8)) \\
&:= ((9 \times 9 + 9)/(9 + 9)) \times (((9 + 9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2506 &:= (1 + 1) \times ((11 \times (1 + 1 + 1 + 111)) - 1) \\
&:= 2 + (2 \times (22 + 2) + 2)^2 + 2 + 2 \\
&:= 3 \times 3 + (33/3 \times ((3 + 3)^3 + 33/3)) \\
&:= 4 + ((4 \times (4/4 + 4)^4) + (4 + 4)/4) \\
&:= 5 + (((5 - 5^5)/5) + 5^5) \\
&:= 66 + (6 \times 6 \times 66 + ((6 + 6)/6)^6) \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 7 + 7)) \\
&:= 8 + (((8 + 8 + 8) \times (88 + 8 + 8)) + ((8 + 8)/8)) \\
&:= (((9 \times 9 + 9)/(9 + 9)) \times (((9 + 9)/9)^9) - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2511 &:= 11 + (((11 - 1)^{1+1}/(1 + 1))^{1+1}) \\
&:= 22/2 + (2 \times (22 + 2) + 2)^2 \\
&:= 3^3 \times ((3 \times (3^3 + 3)) + 3) \\
&:= 44/4 + (4 \times (4/4 + 4)^4) \\
&:= 5^5 + ((55 - 5^5)/5) \\
&:= (66 \times 66 + 666)/(6 + 6)/6) \\
&:= 7 \times 7 \times 7 + (777 - 7)/7) \\
&:= 88 \times (8 + 8) + (8888/8 - 8) \\
&:= 9 \times ((99 + 99) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2516 &:= (1 + 1) \times (11 \times 111 + (111/(1 + 1 + 1))) \\
&:= 2^{2+2} + (2 \times (22 + 2) + 2)^2 \\
&:= 333 + (3 \times 3^{3+3} - (3/3 + 3)) \\
&:= 4 \times ((4/4 + 4)^4 + 4) \\
&:= 5 + (((55 - 5^5)/5) + 5^5) \\
&:= (6 \times 6 + 6/6) \times (((6 + 6)/6) + 66) \\
&:= 77 + (7 \times (7 \times 7 \times 7 + 7) - (77/7)) \\
&:= ((8 \times 8 \times (88 - 8)) - 88)/(8 + 8)/8) \\
&:= 9 + ((9/9 + 99 + 9) \times ((99 + 99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2507 &:= (1 + (11 + 11)) \times (111 - 1 - 1) \\
&:= (22 + 2/2) \times (222/2 - 2) \\
&:= (3^3 \times ((3 \times (3^3 + 3)) + 3)) - (3/3 + 3) \\
&:= 4 + (((4 \times (4/4 + 4)^4) - 4/4) + 4) \\
&:= 5 + (((5 - 5^5) + 5)/5) + 5^5) \\
&:= (66 \times ((6 + 6)/6 + 6 \times 6)) - 6/6) \\
&:= 7 + ((7/7 + 7 \times 7)^{(7+7)/7}) \\
&:= 88/8 + ((8 + 8 + 8) \times (88 + 8 + 8)) \\
&:= (9/9 + 99 + 9) \times ((99 + 99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2512 &:= 1 + (11 + (((11 - 1)^{1+1}/(1 + 1))^{1+1})) \\
&:= (2 \times 22)^2 + ((22 + 2)^2) \\
&:= 3/3 + (3^3 \times ((3 \times (3^3 + 3)) + 3)) \\
&:= (4 \times ((4/4 + 4)^4 + 4)) - 4 \\
&:= 5^5 + (((55 - 5^5) + 5)/5) \\
&:= ((6 + 6)/6)^6 + (6 \times (6 \times 66 + 6 + 6)) \\
&:= 777/7 + 7 \times 7 \times 7 \times 7 \\
&:= 8 + (((8 + 8 + 8) \times (88 + 8 + 8)) + 8) \\
&:= 9/9 + ((9 + 9) \times 99 + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2517 &:= 11 + ((1 + 1) \times ((11 \times (1 + 1 + 1 + 111)) - 1)) \\
&:= 2/2 + ((2 \times (22 + 2) + 2)^2 + 2^{2+2}) \\
&:= 333 + (3 \times 3^{3+3} - 3) \\
&:= 4/4 + (4 \times ((4/4 + 4)^4 + 4)) \\
&:= 5 + (((55 - 5^5) + 5)/5) + 5^5) \\
&:= 666/6 + (6 \times (6 \times 66 + 6) - 6) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 + 7 + 7)) + (77/7)) \\
&:= 88 \times (8 + 8) + ((8888 - (8 + 8))/8) \\
&:= 9 + (((9 + 9) \times 99 - ((9 + 9 + 9)/9)) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2518 &:= 11 + ((1 + (11 + 11)) \times (111 - 1 - 1)) \\
&:= 2 + ((2 \times (22 + 2) + 2)^2 + 2^{2+2}) \\
&:= 3/3 + ((3 \times 3^{3+3} - 3) + 333) \\
&:= (4 + 4)/4 + (4 \times ((4/4 + 4)^4 + 4)) \\
&:= 5^5 - (((55 \times 55 + 5) + 5)/5) \\
&:= ((6 + 6) \times (6 \times 6 \times 6 - 6)) - (6 + 6)/6 \\
&:= 7 + ((777 - 7)/7 + 7 \times 7 \times 7 \times 7) \\
&:= 88 \times (8 + 8) + (8888 - 8)/8 \\
&:= 9 + (((9 \times 99 + 9)/(9 + 9))^{(9+9)/9} + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2519 &:= 11 \times (1 + ((1 + 1) \times (1 + 1 + 1 + 111))) \\
&:= 22/2 \times (((22^2 - 22)/2) - 2) \\
&:= 333 + (3 \times 3^{3+3} - 3/3) \\
&:= ((44 - 4) \times (4^4 - 4) - 4)/4 \\
&:= 5^5 - ((55 \times 55 + 5)/5) \\
&:= ((6 + 6) \times (6 \times 6 \times 6 - 6)) - 6/6 \\
&:= 7 + (777/7 + 7 \times 7 \times 7 \times 7) \\
&:= 88 \times (8 + 8) + 8888/8 \\
&:= 9 + (((9 + 9) \times 99 - 9/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2520 &:= (11 + (11 - 1)) \times (11^{1+1} - 1) \\
&:= 22 + ((2 \times (22 + 2) + 2)^2 - 2) \\
&:= 333 + 3 \times 3^{3+3} \\
&:= 4 + (4 \times ((4/4 + 4)^4 + 4)) \\
&:= 5^5 - (55 \times (55/5)) \\
&:= (6 + 6) \times (6 \times 6 \times 6 - 6) \\
&:= 77 + (7 \times (7 \times 7 \times 7 + 7) - 7) \\
&:= 88 + ((8 + 8) \times (8 \times 8 + 88)) \\
&:= 9 + ((9 + 9) \times 99 + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2521 &:= 1 + ((11 + (11 - 1)) \times (11^{1+1} - 1)) \\
&:= 22 + ((2 \times (22 + 2) + 2)^2 - 2/2) \\
&:= 3/3 + (3 \times 3^{3+3} + 333) \\
&:= ((44 - 4) \times (4^4 - 4) + 4)/4 \\
&:= 5^5 + ((5 - 55 \times 55)/5) \\
&:= 6/6 + ((6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= 7 + (((7/7 + 7 \times 7)^{(7+7)/7} + 7) + 7) \\
&:= 8/8 + (((8 + 8) \times (8 \times 8 + 88)) + 88) \\
&:= 9 + (((9 + 9) \times 99 + 9 \times 9 \times 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2522 &:= 1 + (1 + ((11 + (11 - 1)) \times (11^{1+1} - 1))) \\
&:= 22 + (2 \times (22 + 2) + 2)^2 \\
&:= 3 + ((3 \times 3^{3+3} - 3/3) + 333) \\
&:= (((44 - 4) \times (4^4 - 4) + 4) + 4)/4 \\
&:= 5^5 + (((5 - 55 \times 55) + 5)/5) \\
&:= (6 + 6)/6 + ((6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= 7 \times 7 \times 7 + (((7 + 7)/7)^7 - 7) \\
&:= 88 + (((8 + 8) \times (8 \times 8 + 88)) + ((8 + 8)/8)) \\
&:= 9 \times 9 \times 9 + ((9 + 9) \times 99 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2523 &:= (1 + 1 + 1) \times (((11 - 1) \times (1 + 1 + 1)) - 1)^{1+1}) \\
&:= 22 + ((2 \times (22 + 2) + 2)^2 + 2/2) \\
&:= 3 + (3 \times 3^{3+3} + 333) \\
&:= 4 + (((44 - 4) \times (4^4 - 4) - 4)/4) \\
&:= 5 \times 5 + (5^5 - (5^5 + 5 + 5)/5) \\
&:= 666/6 + 6 \times (6 \times 66 + 6) \\
&:= 7 \times 7 \times 7 + (((7 + 7 + 7)/7)^7 - 7) \\
&:= (8/8 - 88) \times (8 - 888/(8 + 8 + 8)) \\
&:= 9 \times 9 + (999/9 \times ((99 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2524 &:= 1 + ((1 + 1 + 1) \times (((11 - 1) \times (1 + 1 + 1)) - 1)^{1+1})) \\
&:= 2 + ((2 \times (22 + 2) + 2)^2 + 22) \\
&:= 3 + ((3 \times 3^{3+3} + 333) + 3/3) \\
&:= 4 + ((4 \times ((4/4 + 4)^4 + 4)) + 4) \\
&:= 5 \times 5 + (5^5 - (5^5 + 5)/5) \\
&:= 6 + (((6 + 6) \times (6 \times 6 \times 6 - 6)) - ((6 + 6)/6)) \\
&:= (((7 + 7)/7 + 7 \times 7)^{(7+7)/7} - 77) \\
&:= ((8 \times (8 \times (88 - 8) - 8) - 8)/(8 + 8)/8) \\
&:= 9 + (((9 \times 9 + 9)/(9 + 9)) \times (((9 + 9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2525 &:= (1 + ((1 + 1) \times (1 + 11))) \times (1 + (11 - 1)^{1+1}) \\
&:= 222 + (((2 \times (22 + 2))^2) - 2/2) \\
&:= ((33/3 + 3)^3) - ((3 + 3)^3 + 3) \\
&:= 4 + (((44 - 4) \times (4^4 - 4) + 4)/4) \\
&:= 5 \times ((5 \times 5 \times (5 \times 5 - 5)) + 5) \\
&:= 6 + (((6 + 6) \times (6 \times 6 \times 6 - 6)) - 6/6) \\
&:= 77 + (7 \times (7 \times 7 \times 7 + 7) - ((7 + 7)/7)) \\
&:= ((8 - 88/8) + 8) \times ((8 \times 8 \times 8 - 8) + 8/8) \\
&:= ((9 + 9)/9 + 99) \times (((9 - ((9 + 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2526 &:= 1 + ((1 + ((1 + 1) \times (1 + 11))) \times (1 + (11 - 1)^{1+1})) \\
&:= 222 + ((2 \times (22 + 2))^2) \\
&:= 3 + ((3 \times 3^{3+3} + 333) + 3) \\
&:= 4 + (((44 - 4) \times (4^4 - 4) + 4) + 4)/4 \\
&:= 5 \times 5 + (((5 - 5^5)/5) + 5^5) \\
&:= 6 + ((6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= 77 + (7 \times (7 \times 7 \times 7 + 7) - 7/7) \\
&:= 8 + ((8888 - 8)/8 + 88 \times (8 + 8)) \\
&:= 99 + (((9 + 9 + 9)/9) \times (9 \times (9 \times 9 + 9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2527 &:= (1 + (11 \times (1 + 11))) \times (((1 + 1) \times (11 - 1)) - 1) \\
&:= 2/2 + (((2 \times (22 + 2))^2) + 222) \\
&:= 333 + (((3 \times 3 + 3/3) + 3)^3) - 3) \\
&:= 44/4 + (4 \times ((4/4 + 4)^4 + 4)) \\
&:= 5 \times 5 + (((5 - 5^5) + 5)/5) + 5^5) \\
&:= 6 + (((6 + 6) \times (6 \times 6 \times 6 - 6)) + 6/6) \\
&:= 77 + 7 \times (7 \times 7 \times 7 + 7) \\
&:= 8 + (8888/8 + 88 \times (8 + 8)) \\
&:= 99 + ((9 \times 9 + 9) \times (9 + 9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2528 &:= ((111 - 1) \times (1 + (11 + 11))) - 1 - 1 \\
&:= 2 + (((2 \times (22 + 2))^2) + 222) \\
&:= ((33/3 + 3)^3) - (3 + 3)^3 \\
&:= 4 \times ((4 \times (4 \times (44 - 4))) - (4 + 4)) \\
&:= (5 - 5/5) \times ((5^5 + 5 + 5)/5 + 5) \\
&:= (6 \times (6 \times (66 + 6))) - ((6 + 6)/6)^6 \\
&:= 7/7 + (7 \times (7 \times 7 \times 7 + 7) + 77) \\
&:= 8 + (((8 + 8) \times (8 \times 8 + 88)) + 88) \\
&:= 99 + ((9 \times 9 + 9) \times (9 + 9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2529 &:= ((111 - 1) \times (1 + (11 + 11))) - 1 \\
&:= 22^2 + 2^{22/2} - 2/2 - 2 \\
&:= 3 \times ((3^3 \times (3^3 + 3)) + 33) \\
&:= 4 \times 4 \times (4 + 4) + (((4 - 4/4) + 4)^4) \\
&:= 5 + ((5 \times 5 - (5^5 + 5)/5) + 5^5) \\
&:= 6 + (6 \times (6 \times 66 + 6) + 666/6) \\
&:= 7 \times 7 \times 7 + ((7 + 7)/7)^7 \\
&:= 8 \times (8 + 8) + ((8 - 8/8)^{8 \times 8/(8+8)}) \\
&:= 99 + (9 \times 9 + 9) \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2530 &:= (111 - 1) \times (1 + (11 + 11)) \\
&:= 22 \times (222/2 + 2 + 2) \\
&:= 333 + (((3 \times 3 + 3/3) + 3)^3) \\
&:= (44 - 4)/4 \times ((4/4 - 4) + 4^4) \\
&:= 5 + ((5 \times (5 - 5 \times 5 \times 5)) + 5^5) \\
&:= ((66 - 6)/6) + ((6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= 7 \times 7 \times 7 + ((7 + 7 + 7)/7)^7 \\
&:= ((8 - 8/8 + 8) + 8) \times (888 - 8)/8 \\
&:= 9/9 + ((9 \times 9 + 9) \times (9 + 9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2531 &:= 1 + ((111 - 1) \times (1 + (11 + 11))) \\
&:= 22^2 + (2^{22/2} - 2/2) \\
&:= 3 + (((33/3 + 3)^3) - (3 + 3)^3) \\
&:= (4 \times (((4/4 + 4)^4 + 4) + 4)) - 4/4 \\
&:= 5 + (((5 - 5^5)/5) + 5 \times 5) + 5^5) \\
&:= 66/6 + ((6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= 7/7 + (((7 + 7 + 7)/7)^7 + 7 \times 7 \times 7) \\
&:= 88 + (((8 + 8) \times (8 \times 8 + 88)) + (88/8)) \\
&:= 9 + (((9 + 9) \times 99 + (99/9)) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2532 &:= (1 + 11) \times ((1 + 1) \times 111 - 11) \\
&:= 22^2 + 2^{22/2} \\
&:= 3 + ((3 \times (3^{3+3} + 3)) + 333) \\
&:= 4 \times (((4/4 + 4)^4 + 4) + 4) \\
&:= 5^5 + (((5 + 5)/5)^5 - 5^5/5) \\
&:= 6 + (((6 + 6) \times (6 \times 6 \times 6 - 6)) + 6) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 + 7) - ((7 + 7)/7)) + 77) \\
&:= ((8 \times (8 \times (88 - 8) - 8) + 8)/(8 + 8)/8) \\
&:= 999/9 + ((9 \times 9 + 9) \times (9 + 9 + 9) - 9)
\end{aligned}$$

- 2533 := $1 + ((1 + 11) \times ((1 + 1) \times 111 - 11))$
:= $2/2 + (2^{22/2} + 22^2)$
:= $3 + (((3 \times 3 + 3/3) + 3)^3) + 333$
:= $4/4 + (4 \times (((4/4 + 4)^4 + 4) + 4))$
:= $5 + ((5 - 5/5) \times ((5^5 + 5 + 5)/5 + 5))$
:= $6 + (((6 + 6) \times (6 \times 6 \times 6 - 6)) + 6/6) + 6$
:= $7 + ((7 \times (7 \times 7 \times 7 + 7) - 7/7) + 77)$
:= $8 + (((8 - 88/8) + 8) \times ((8 \times 8 \times 8 - 8) + 8/8))$
:= $((9/9 + 9 \times 9) \times ((99 + 99)/9) + 9) - 9$
- 2534 := $1 + (1 + ((1 + 11) \times ((1 + 1) \times 111 - 11)))$
:= $2 + (2^{22/2} + 22^2)$
:= $3 + (((33/3 + 3)^3) - (3 + 3)^3) + 3$
:= $4 + ((44 - 4)/4 \times ((4/4 - 4) + 4^4))$
:= $5 + (((5 \times 5 - (5^5 + 5)/5) + 5^5) + 5)$
:= $6 + ((6 \times (6 \times (66 + 6))) - ((6 + 6)/6)^6)$
:= $7 + (7 \times (7 \times 7 \times 7 + 7) + 77)$
:= $8 + (((8888 - 8)/8 + 88 \times (8 + 8)) + 8)$
:= $((9 + 9) \times (9 + 9 + 9)) + (((9 + 9)/9)^{99/9})$
- 2535 := $(1 + 1 + 11) \times ((1 + 1 + 1 + 11)^{1+1} - 1)$
:= $2 + (2^{22/2} + 22^2) + 2/2$
:= $3 \times (((3 - 3/3)^{3 \times 3}) + 333)$
:= $(4^4 + 4)/4 \times (44 - (4/4 + 4))$
:= $5 + (((5 \times (5 - 5 \times 5 \times 5)) + 5^5) + 5)$
:= $(6 - 6/6) \times (666/6 + 6 \times 66)$
:= $7 + ((7 \times (7 \times 7 \times 7 + 7) + 77) + 7/7)$
:= $8 + ((8888/8 + 88 \times (8 + 8)) + 8)$
:= $999 + (((9 + 9 + 9)/9) \times (((9 + 9)/9)^9))$
- 2536 := $1 + (1 + 1 + 11) \times ((1 + 1 + 1 + 11)^{1+1} - 1)$
:= $2 + (2^{22/2} + 22^2) + 2$
:= $3 + (((3 \times 3 + 3/3) + 3)^3) + 333 + 3$
:= $4 + (4 \times (((4/4 + 4)^4 + 4) + 4))$
:= $5 \times 5 + (((55 - 5^5)/5) + 5^5)$
:= $6 + (((6 + 6) \times (6 \times 6 \times 6 - 6)) + ((66 - 6)/6))$
:= $7 + (7 \times 7 \times 7 \times 7 + ((7 + 7)/7)^7)$
:= $8 + (((8 + 8) \times (8 \times 8 + 88)) + 88) + 8$
:= $999 + ((9 \times (9 \times (9 + 9) + 9)) - ((9 + 9)/9))$
- 2537 := $(11 \times (11 \times (11 + (11 - 1)))) - 1 - 1 - 1 - 1$
:= $((22/2)^2 \times (22 - 2/2)) - 2 - 2$
:= $3 \times 3 + (((33/3 + 3)^3) - (3 + 3)^3)$
:= $(44 - 4/4) \times (((4^4 - 4)/4) - 4)$
:= $5 + (((5 + 5)/5)^5 - 5^5/5) + 5^5$
:= $6 + (((6 + 6) \times (6 \times 6 \times 6 - 6)) + (66/6))$
:= $7 + (((7 + 7 + 7)/7)^7 + 7 \times 7 \times 7)$
:= $8 + (((8 - 8/8)^{8 \times 8/(8+8)} + 8 \times (8 + 8))$
:= $999 + ((9 \times (9 \times (9 + 9) + 9)) - 9/9)$
- 2538 := $(11 \times (11 \times (11 + (11 - 1)))) - 1 - 1 - 1$
:= $2 + (((2^{22/2} + 22^2) + 2) + 2)$
:= $(3 \times 33 \times 33) - 3^{3+3}$
:= $((4^4 \times (4 \times 4 + 4)) - 44)/(4 + 4)/4$
:= $5^5 - (((5 + 5)/5)^5 + 555)$
:= $6 + (((6 + 6) \times (6 \times 6 \times 6 - 6)) + 6) + 6$
:= $77 + (7 \times (7 \times 7 \times 7 + 7) + (77/7))$
:= $8 + (((8 - 8/8 + 8) + 8) \times (888 - 8)/8)$
:= $999 + (9 \times (9 \times (9 + 9) + 9))$
- 2539 := $(11 \times (11 \times (11 + (11 - 1)))) - 1 - 1$
:= $((22/2)^2 \times (22 - 2/2)) - 2$
:= $3/3 + ((3 \times 33 \times 33) - 3^{3+3})$
:= $4 + ((4^4 + 4)/4 \times (44 - (4/4 + 4)))$
:= $((5 - 5/5) \times ((55 + 5^5)/5)) - 5$
:= $(6 \times ((6 \times (66 + 6)) - 6)) - (66/6 + 6)$
:= $77 + (7 \times (7 \times 7 \times 7 + 7) + (77 + 7)/7)$
:= $88 + ((88/8 + 8) \times (8 \times (8 + 8) + 8/8))$
:= $9/9 + ((9 \times (9 \times (9 + 9) + 9)) + 999)$
- 2540 := $(11 \times (11 \times (11 + (11 - 1)))) - 1$
:= $(2 - 22) \times ((2 - 2^{2 \times (2+2)})/2)$
:= $(3 \times 3 + 3/3) \times ((3^{3+3} + 33)/3)$
:= $44 + ((4 \times (4/4 + 4)^4) - 4)$
:= $5^5 - ((555 + 5 \times 5) + 5)$
:= $((66 + 6/6) \times ((6 + 6)/6 + 6 \times 6)) - 6$
:= $(7 \times ((7 \times 7 \times 7 + 7 + 7) + 7)) - (7/7 + 7)$
:= $((88 + 8)/8 + 8) \times (8 \times (8 + 8) - 8/8)$
:= $(9/9 + 9) \times (9 \times (9 + 9 + 9) + (99/9))$
- 2541 := $11 \times (11 \times (11 + (11 - 1)))$
:= $(22/2)^2 \times (22 - 2/2)$
:= $33 \times (3 \times 3^3 - (3/3 + 3))$
:= $4 + ((44 - 4/4) \times (((4^4 - 4)/4) - 4))$
:= $5 + (((55 - 5^5)/5) + 5 \times 5) + 5^5$
:= $(6/6 + 6) \times 66 \times 66/(6 + 6)$
:= $(7 + 7 + 7) \times (((7 + 7)/7)^7 - 7)$
:= $888 + ((88/8 + 8) \times (88 - 8/8))$
:= $999/9 + (9 \times 9 + 9) \times (9 + 9 + 9)$
- 2542 := $1 + (11 \times (11 \times (11 + (11 - 1))))$
:= $2 + ((2 - 22) \times ((2 - 2^{2 \times (2+2)})/2))$
:= $3/3 + (33 \times (3 \times 3^3 - (3/3 + 3)))$
:= $44 + ((4 \times (4/4 + 4)^4) - (4 + 4)/4)$
:= $5^5 + (55/5 \times ((5 + 5)/5 - 55))$
:= $66 + (6 \times (6 \times 66 + 6) + ((6 + 6)/6)^6)$
:= $7/7 + ((7 + 7 + 7) \times (((7 + 7)/7)^7 - 7))$
:= $((8 + 8)/8) \times ((8 + 8) \times (88 - 8) - (8/8 + 8))$
:= $(9/9 + 9 \times 9) \times (((99 + 99)/9) + 9)$
- 2543 := $1 + (1 + (11 \times (11 \times (11 + (11 - 1))))))$
:= $2 + ((22/2)^2 \times (22 - 2/2))$
:= $((33/3 + 3)^3) - (33 \times (3 + 3) + 3)$
:= $44 + ((4 \times (4/4 + 4)^4) - 4/4)$
:= $5 + (5^5 - (((5 + 5)/5)^5 + 555))$
:= $(6 \times ((6 \times (66 + 6)) - 6)) - (6/6 + 6 + 6)$
:= $7 + ((7 \times 7 \times 7 \times 7 + ((7 + 7)/7)^7) + 7)$
:= $888/8 + ((8 + 8) \times (8 \times 8 + 88))$
:= $((99/9) \times (9 \times (9 + 9 + 9) - (99/9))) - 9$
- 2544 := $(1 + 11) \times (1 + ((1 + 1) \times 111 - 11))$
:= $2 \times ((2 + 2 + 2)^{2+2} - (22 + 2))$
:= $3 + (33 \times (3 \times 3^3 - (3/3 + 3)))$
:= $4 \times ((4 \times (4 \times (44 - 4))) - 4)$
:= $(5 - 5/5) \times ((55 + 5^5)/5)$
:= $(6 \times ((6 \times (66 + 6)) - 6)) - 6 - 6$
:= $7 + (((7 + 7 + 7)/7)^7 + 7 \times 7 \times 7) + 7$
:= $(8 + 8) \times (((88 - 8/8) + 8 \times 8) + 8)$
:= $99 \times (9 + 9 + 9) - ((999/9 + 9) + 9)$
- 2545 := $1 + ((1 + 11) \times (1 + ((1 + 1) \times 111 - 11)))$
:= $2 + (((22/2)^2 \times (22 - 2/2)) + 2)$
:= $(3 - 3/3 + 3) \times (((3 - 3/3)^{3 \times 3}) - 3)$
:= $44 + ((4 \times (4/4 + 4)^4) + 4/4)$
:= $5^5 - (555 + 5 \times 5)$
:= $(6 \times ((6 \times (66 + 6)) - 6)) - 66/6$
:= $7 + ((7 \times (7 \times 7 \times 7 + 7) + (77/7)) + 77)$
:= $(888/8 \times ((8 - 8/8 + 8) + 8)) - 8$
:= $9 \times 9 \times (9 + 9) + (((99 \times 99) - (9 + 9))/9)$
- 2546 := $1 + (1 + ((1 + 11) \times (1 + ((1 + 1) \times 111 - 11))))$
:= $2222 + ((2^{2+2} + 2)^2)$
:= $((33/3 + 3)^3) - 33 \times (3 + 3)$
:= $((44 - 4)/4 \times (4^4 - 4/4)) - 4$
:= $5^5 + (5/5 - (555 + 5 \times 5))$
:= $(66 + 6/6) \times ((6 + 6)/6 + 6 \times 6)$
:= $(7 \times ((7 \times 7 \times 7 + 7 + 7) + 7)) - (7 + 7)/7$
:= $((8 + 8)/8) \times (((8 + 8) \times (88 - 8) - 8) + 8/8)$
:= $9 \times 9 \times (9 + 9) + (((99 \times 99) - 9)/9)$
- 2547 := $(1 + 1) \times (11^{1+1+1} - 1 - 1) - 111$
:= $(22^2 + 2)/2 + ((2 \times (22 + 2))^2)$
:= $(33 \times (3 \times 3^3 - 3)) - 3^3$
:= $4 + (((4 \times (4/4 + 4)^4) - 4/4) + 44)$
:= $55 + ((5 - 5/5) \times (5^5 - 5 - 5)/5)$
:= $6 + ((6/6 + 6) \times 66 \times 66/(6 + 6))$
:= $(7 \times ((7 \times 7 \times 7 + 7 + 7) + 7)) - 7/7$
:= $((8 - 88/8) + 8) \times (8 \times 8 \times 8 - 8/8) - 8$
:= $9 + ((9 \times (9 \times (9 + 9) + 9)) + 999)$

$$\begin{aligned}
\blacktriangleright 2548 &:= (1+1+11) \times (1+1+1+11)^{1+1} \\
&:= 2 \times ((2+2+2)^{2+2} - 22) \\
&:= (3^3 - 3/3) \times (3 \times 33 - 3/3) \\
&:= 4 + ((4 \times (4/4 + 4)^4) + 44) \\
&:= (5 - 5/5) \times ((55 + 5^5 + 5)/5) \\
&:= (6 \times ((6 \times (66 + 6)) - 6)) - ((6 + 6)/6 + 6) \\
&:= 7 \times ((7 \times 7 \times 7 + 7 + 7) + 7) \\
&:= (((8 \times 8 \times (88 - 8)) - 8)/(8 + 8)/8) - 8 \\
&:= (99 - 9/9) \times (((9 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2549 &:= ((1+1) \times (11^{1+1+1} - 1)) - 111 \\
&:= 2/2 + (2 \times ((2+2+2)^{2+2} - 22)) \\
&:= 3 + (((33/3 + 3)^3) - 33 \times (3 + 3)) \\
&:= (4^4 \times (44 - 4) - 44)/4 \\
&:= 5 + ((5 - 5/5) \times ((55 + 5^5)/5)) \\
&:= (6 \times ((6 \times (66 + 6)) - 6)) - 6/6 - 6 \\
&:= 7/7 + (7 \times ((7 \times 7 \times 7 + 7 + 7) + 7)) \\
&:= (8 \times ((8 + 8) \times (8 + 8) + 8 \times 8)) - 88/8 \\
&:= 9 + ((9/9 + 9) \times (9 \times (9 + 9 + 9) + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2550 &:= (11 - 1) \times (111 + (1 + 11)^{1+1}) \\
&:= 2 + (2 \times ((2+2+2)^{2+2} - 22)) \\
&:= 3 + ((33 \times (3 \times 3^3 - 3)) - 3^3) \\
&:= (44 - 4)/4 \times (4^4 - 4/4) \\
&:= (5 + 5) \times (5 \times 5 \times (5 + 5) + 5) \\
&:= (6 \times ((6 \times (66 + 6)) - 6)) - 6 \\
&:= (7/7 + 7 \times 7) \times ((7 + 7)/7 + 7 \times 7) \\
&:= (((8 + 8)/8 + 8) \times ((8 + 8) \times (8 + 8) - 8/8)) \\
&:= 9 + ((9 \times 9 + 9) \times (9 + 9 + 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2551 &:= ((1+1) \times 11^{1+1+1}) - 111 \\
&:= ((22 + 2/2) \times 222/2) - 2 \\
&:= 3 + ((3^3 - 3/3) \times (3 \times 33 - 3/3)) \\
&:= ((4^4 \times (44 - 4) - 4)/4) - 4 - 4 \\
&:= 55 + (((5 - 5^5)/5) - 5) + 5^5 \\
&:= 6/6 + ((6 \times ((6 \times (66 + 6)) - 6)) - 6) - 6 \\
&:= 7 + (((7 + 7 + 7)/7)^7 + 7 \times 7 \times 7 + 7) + 7 \\
&:= (8 \times ((8 + 8) \times (8 + 8) + 8 \times 8)) - (8/8 + 8) \\
&:= ((9/9 + 9) \times (((9 + 9)/9)^{9-9/9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2552 &:= 11 \times (111 + 11^{1+1}) \\
&:= 2 \times (((2+2+2)^{2+2} - 22) + 2) \\
&:= 33/3 \times ((3^{3+3} - 33)/3) \\
&:= (4 + 4) \times (((4^4 - 4)/4) + 4^4) \\
&:= 55 + (((5 - 5^5) + 5)/5) - 5 + 5^5 \\
&:= 6 + ((66 + 6/6) \times ((6 + 6)/6 + 6 \times 6)) \\
&:= 77/7 \times (7 \times 7 \times 7 - 777/7) \\
&:= (8 \times ((8 + 8) \times (8 + 8) + 8 \times 8)) - 8 \\
&:= 99/9 \times (9 \times (9 + 9 + 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2553 &:= 111 \times (1 + (11 + 11)) \\
&:= (22 + 2/2) \times 222/2 \\
&:= ((3 \times 3 + 3) \times ((3 + 3)^3 - 3)) - 3 \\
&:= 4 + ((4^4 \times (44 - 4) - 44)/4) \\
&:= 55 + (5^5 - (5^5 + 5 + 5)/5) \\
&:= 666/6 \times ((66/6 + 6) + 6) \\
&:= 777/7 \times (((7 + 7)/7 + 7) + 7) + 7 \\
&:= 888/8 \times ((8 - 8/8 + 8) + 8) \\
&:= 999/9 \times ((99 + 99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2554 &:= 1 + (111 \times (1 + (11 + 11))) \\
&:= 22 + (2^{22/2} + 22^2) \\
&:= 3/3 + (((3 \times 3 + 3) \times ((3 + 3)^3 - 3)) - 3) \\
&:= 4 + ((44 - 4)/4 \times (4^4 - 4/4)) \\
&:= 55 + (5^5 - (5^5 + 5)/5) \\
&:= (6 \times ((6 \times (66 + 6)) - 6)) - (6 + 6)/6 \\
&:= 7 + ((7 \times ((7 \times 7 \times 7 + 7 + 7) + 7)) - 7/7) \\
&:= 8/8 + (888/8 \times ((8 - 8/8 + 8) + 8)) \\
&:= ((9 - 999)/9) + (99 \times (9 + 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2555 &:= 1 + (1 + (111 \times (1 + (11 + 11)))) \\
&:= 2 + ((22 + 2/2) \times 222/2) \\
&:= ((3 \times 3 + 3) \times ((3 + 3)^3 - 3)) - 3/3 \\
&:= ((4^4 \times (44 - 4) - 4)/4) - 4 \\
&:= 55 + (5^5 - 5^5/5) \\
&:= (6 \times ((6 \times (66 + 6)) - 6)) - 6/6 \\
&:= 7 + (7 \times ((7 \times 7 \times 7 + 7 + 7) + 7)) \\
&:= ((8 - 88/8) + 8) \times (8 \times 8 \times 8 - 8/8) \\
&:= 9 + (((99 \times 99) - 9)/9) + 9 \times 9 \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2556 &:= 1 + (1 + (1 + (111 \times (1 + (11 + 11)))))) \\
&:= 2 \times (((22 - 2) \times 2^{2+2+2}) - 2) \\
&:= (3 \times 3 + 3) \times ((3 + 3)^3 - 3) \\
&:= (4 \times (4 \times (4 \times (44 - 4)))) - 4 \\
&:= 55 + (((5 - 5^5)/5) + 5^5) \\
&:= 6 \times ((6 \times (66 + 6)) - 6) \\
&:= 7 + ((7 \times ((7 \times 7 \times 7 + 7 + 7) + 7)) + 7/7) \\
&:= ((8 \times 8 \times (88 - 8)) - 8)/((8 + 8)/8) \\
&:= 99 + (9 \times 9 \times (9 + 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2557 &:= 1 + (1 + (1 + (1 + (111 \times (1 + (11 + 11)))))) \\
&:= 2 + (((22 + 2/2) \times 222/2) + 2) \\
&:= 3/3 + ((3 \times 3 + 3) \times ((3 + 3)^3 - 3)) \\
&:= ((4^4 \times (44 - 4) + 4)/4) - 4 \\
&:= 55 + (((5 - 5^5) + 5)/5) + 5^5 \\
&:= 6/6 + (6 \times ((6 \times (66 + 6)) - 6)) \\
&:= 7 + ((7/7 + 7 \times 7) \times ((7 + 7)/7 + 7 \times 7)) \\
&:= 8 + ((8 \times ((8 + 8) \times (8 + 8) + 8 \times 8)) - (88/8)) \\
&:= 9 + ((99 - 9/9) \times (((9 - 9/9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2558 &:= (1 + 1)^{11} + ((1 + 1)^{11-1-1} - (1 + 1)) \\
&:= (2 \times ((22 - 2) \times 2^{2+2+2})) - 2 \\
&:= 3 + (((3 \times 3 + 3) \times ((3 + 3)^3 - 3)) - 3/3) \\
&:= (4^4 \times (44 - 4) - (4 + 4))/4 \\
&:= 5^5 - (((55 + 5)/5) + 555) \\
&:= (6 + 6)/6 + (6 \times ((6 \times (66 + 6)) - 6)) \\
&:= 77 + (((7 + 7 + 7)/7)^7 + 7 \times (7 \times 7 - 7)) \\
&:= ((8 + 8)/8) \times ((8 + 8) \times (88 - 8) - 8/8) \\
&:= 9 \times 9 \times (9 + 9) + ((99/9) \times (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2559 &:= (1 + 1)^{11} + ((1 + 1)^{11-1-1} - 1) \\
&:= (((22 - 2) \times 2^{2 \times (2+2)}) - 2)/2 \\
&:= 3 + ((3 \times 3 + 3) \times ((3 + 3)^3 - 3)) \\
&:= (4^4 \times (44 - 4) - 4)/4 \\
&:= 5^5 - (555 + (55/5)) \\
&:= 6 + (666/6 \times ((66/6 + 6) + 6)) \\
&:= 77/7 + (7 \times ((7 \times 7 \times 7 + 7 + 7) + 7)) \\
&:= (8 \times ((8 + 8) \times (8 + 8) + 8 \times 8)) - 8/8 \\
&:= 9 \times 9 \times (9 + 9) + (((9999 - 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2560 &:= (11 - 1) \times (1 + 1)^{(1+1) \times (1+1+1)} \\
&:= 2 \times ((22 - 2) \times 2^{2+2+2}) \\
&:= (3 - 3/3 + 3) \times ((3 - 3/3)^{3 \times 3}) \\
&:= 4 \times (4 \times (4 \times (44 - 4))) \\
&:= 5^5 - (555 + 5 + 5) \\
&:= 6 + ((6 \times ((6 \times (66 + 6)) - 6)) - ((6 + 6)/6)) \\
&:= ((7 + 7)/7)^7 \times ((7 - 7/7 + 7) + 7) \\
&:= 8 \times ((8 + 8) \times (8 + 8) + 8 \times 8) \\
&:= (9/9 + 9) \times (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2561 &:= 1 + (11 - 1) \times (1 + 1)^{(1+1)^{1+1+1}} \\
&:= (((22 - 2) \times 2^{2 \times (2+2)}) + 2)/2 \\
&:= 33 + (((33/3 + 3)^3) - (3 + 3)^3) \\
&:= (4^4 \times (44 - 4) + 4)/4 \\
&:= 5 + (((5 - 5^5)/5) + 55) + 5^5 \\
&:= 6 + ((6 \times ((6 \times (66 + 6)) - 6)) - 6/6) \\
&:= 777/7 + 7 \times (7 \times 7 \times 7) \\
&:= 8/8 + (8 \times ((8 + 8) \times (8 + 8) + 8 \times 8)) \\
&:= 99 \times (9 + 9 + 9) - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2562 &:= (11 + (11 - 1)) \times (1 + 11^{1+1}) \\
&:= 2 + (2 \times ((22 - 2) \times 2^{2+2+2})) \\
&:= 3 + (((3 \times 3 + 3) \times ((3 + 3)^3 - 3)) + 3) \\
&:= ((4^4 \times (44 - 4) + 4) + 4)/4 \\
&:= 5 + (((5 - 5^5) + 5)/5) + 55 + 5^5 \\
&:= 6 + (6 \times ((6 \times (66 + 6)) - 6)) \\
&:= 7 + ((7 \times ((7 \times 7 \times 7 + 7 + 7) + 7)) + 7) \\
&:= (8 + 8)/8 + (8 \times ((8 + 8) \times (8 + 8) + 8 \times 8)) \\
&:= 99 \times (9 + 9 + 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2563 &:= 11 \times (11 + (1 + 1) \times 111) \\
&:= 22/2 \times (222 + 22/2) \\
&:= (33 \times (3 \times 3^3 - 3)) - 33/3 \\
&:= 4 + ((4^4 \times (44 - 4) - 4)/4) \\
&:= 5^5 - ((555 + (5 + 5)/5) + 5) \\
&:= 6 + ((6 \times ((6 \times (66 + 6)) - 6)) + 6/6) \\
&:= 7 + (((7 \times ((7 \times 7 \times 7 + 7 + 7) + 7)) + 7/7) + 7) \\
&:= 8 + (((8 - 88/8) + 8) \times (8 \times 8 \times 8 - 8/8)) \\
&:= 99/9 \times (9 \times (9 + 9 + 9) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2564 &:= 1 + (11 \times (11 + (1 + 1) \times 111)) \\
&:= 2 \times (((22 - 2) \times 2^{2+2+2}) + 2) \\
&:= ((3 - 33)/3) + (33 \times (3 \times 3^3 - 3)) \\
&:= 4 + (4 \times (4 \times (4 \times (44 - 4)))) \\
&:= 5^5 - ((555 + 5/5) + 5) \\
&:= 6 + ((6 \times ((6 \times (66 + 6)) - 6)) + ((6 + 6)/6)) \\
&:= 7 + (((7/7 + 7 \times 7) \times ((7 + 7)/7 + 7 \times 7)) + 7) \\
&:= ((8 \times 8 \times (88 - 8)) + 8)/((8 + 8)/8) \\
&:= 99 \times (9 + 9 + 9) - (9/9 + 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2565 &:= 1 + (1 + (11 \times (11 + (1 + 1) \times 111))) \\
&:= 2 + (22/2 \times (222 + 22/2)) \\
&:= 3 \times 3 \times (3 \times (3 \times 33 - 3) - 3) \\
&:= 4 + ((4^4 \times (44 - 4) + 4)/4) \\
&:= 5^5 - (555 + 5) \\
&:= 6 + ((666/6 \times ((66/6 + 6) + 6)) + 6) \\
&:= ((77 + 7)/7 + 7) \times (((7 + 7)/7)^7 + 7) \\
&:= (88/8 + 8) \times ((8 \times (8 + 8) - 8/8) + 8) \\
&:= 99 \times (9 + 9 + 9) - (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2566 &:= 1 + (1 + (1 + (11 \times (11 + (1 + 1) \times 111)))) \\
&:= (2 \times ((2 + 2 + 2)^{2+2} - 2)) - 22 \\
&:= 3 + ((33 \times (3 \times 3^3 - 3)) - 33/3) \\
&:= 4 + (((4^4 \times (44 - 4) + 4) + 4)/4) \\
&:= 5^5 + (5/5 - (555 + 5)) \\
&:= ((66 - 6)/6) + (6 \times ((6 \times (66 + 6)) - 6)) \\
&:= 7 + ((7 \times ((7 \times 7 \times 7 + 7 + 7) + 7)) + (77/7)) \\
&:= 8 + (((8 + 8)/8) \times ((8 + 8) \times (88 - 8) - 8/8)) \\
&:= 9/9 + (99 \times (9 + 9 + 9) - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2567 &:= 1111 + ((1 + 1 + 11) \times (1 + 111)) \\
&:= 2 + ((22/2 \times (222 + 22/2)) + 2) \\
&:= 33/3 + ((3 \times 3 + 3) \times ((3 + 3)^3 - 3)) \\
&:= 4 + (((4^4 \times (44 - 4) - 4)/4) + 4) \\
&:= 5^5 + ((5 + 5)/5 - (555 + 5)) \\
&:= 66/6 + (6 \times ((6 \times (66 + 6)) - 6)) \\
&:= 7 + (((7 + 7)/7)^7 \times ((7 - 7/7 + 7) + 7)) \\
&:= 8 + ((8 \times ((8 + 8) \times (8 + 8) + 8 \times 8)) - 8/8) \\
&:= ((9 - 9/9) + 9) \times (9 \times (9 + 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2568 &:= (1 + 1) \times ((1 + 11) \times (111 - (1 + 1 + 1 + 1))) \\
&:= 2 \times (2 \times (22 - 2)^2 + 22^2) \\
&:= (33 \times (3 \times 3^3 - 3)) - 3 - 3 \\
&:= 4 + ((4 \times (4 \times (4 \times (44 - 4)))) + 4) \\
&:= 5^5 - (555 + (5 + 5)/5) \\
&:= 6 + ((6 \times ((6 \times (66 + 6)) - 6)) + 6) \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 7) + 777/7) \\
&:= 8 + (8 \times ((8 + 8) \times (8 + 8) + 8 \times 8)) \\
&:= 9 \times 9 \times (9 + 9) + ((9999 - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2569 &:= (11 - 1) \times (1 + (1 + 1)^{(1+1)^{1+1+1}}) - 1 \\
&:= (2 \times (2 + 2 + 2)^{2+2}) - (22 + 2/2) \\
&:= 3/3 + ((33 \times (3 \times 3^3 - 3)) - (3 + 3)) \\
&:= 4 + (((4^4 \times (44 - 4) + 4)/4) + 4) \\
&:= 5^5 - (555 + 5/5) \\
&:= 6 + (((6 \times ((6 \times (66 + 6)) - 6)) + 6/6) + 6) \\
&:= 77 + ((7 \times (7 \times 7 \times 7 + 7 + 7)) - 7) \\
&:= 8 + ((8 \times ((8 + 8) \times (8 + 8) + 8 \times 8)) + 8/8) \\
&:= 9 \times 9 \times (9 + 9) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2570 &:= (11 - 1) \times (1 + (1 + 1)^{(1+1)^{1+1+1}}) \\
&:= (2 \times (2 + 2 + 2)^{2+2}) - 22 \\
&:= (33 \times (3 \times 3^3 - 3)) - (3/3 + 3) \\
&:= (44 - 4)/4 \times (4/4 + 4^4) \\
&:= 5^5 - 555 \\
&:= 6666 - (((6 + 6)/6)^{6+6}) \\
&:= 77 + (((7/7 + 7 \times 7)^{(7+7)/7}) - 7) \\
&:= (((8 + 8)/8) + 8) \times ((8 + 8) \times (8 + 8) + 8/8) \\
&:= 9 \times 9 \times (9 + 9) + (9999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2571 &:= (11 - 1) \times (1 + (1 + 1)^{(1+1)^{1+1+1}}) + 1 \\
&:= 2/2 + ((2 \times (2 + 2 + 2)^{2+2}) - 22) \\
&:= (33 \times (3 \times 3^3 - 3)) - 3 \\
&:= (4^4 \times (44 - 4) + 44)/4 \\
&:= 5^5 + (5/5 - 555) \\
&:= ((66 \times (66 + 6 + 6)) - 6)/((6 + 6)/6) \\
&:= ((7 + 7)/7)^7 + (7 \times (7 \times 7 \times 7 + 7) - 7) \\
&:= 88/8 + (8 \times ((8 + 8) \times (8 + 8) + 8 \times 8)) \\
&:= 9 + (99 \times (9 + 9 + 9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2572 &:= (11 \times (1 + (11 + (1 + 1) \times 111))) - 1 - 1 \\
&:= 2 + ((2 \times (2 + 2 + 2)^{2+2}) - 22) \\
&:= 3/3 + ((33 \times (3 \times 3^3 - 3)) - 3) \\
&:= (4 \times ((4 \times (4 \times (44 - 4))) + 4)) - 4 \\
&:= 5^5 + ((5 + 5)/5 - 555) \\
&:= 6 + ((6 \times ((6 \times (66 + 6)) - 6)) + ((66 - 6)/6)) \\
&:= 7 \times (7 \times 7 + 7) + (((7 + 7 + 7)/7)^7 - 7) \\
&:= 8 + (((8 \times 8 \times (88 - 8)) + 8)/((8 + 8)/8)) \\
&:= 99 \times (9 + 9 + 9) - ((9 + 9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2573 &:= (11 \times (1 + (11 + (1 + 1) \times 111))) - 1 \\
&:= (22 \times ((22/2)^2 - (2 + 2))) - 2/2 \\
&:= (33 \times (3 \times 3^3 - 3)) - 3/3 \\
&:= 4 \times 44 + (((4 - 4/4) + 4)^4) - 4 \\
&:= 5 + (5^5 - (555 + (5 + 5)/5)) \\
&:= 6 + ((6 \times ((6 \times (66 + 6)) - 6)) + (66/6)) \\
&:= 7 \times 77 + (((7 + 7)/7)^{77/7}) - (7 + 7) \\
&:= 8 + ((88/8 + 8) \times ((8 \times (8 + 8) - 8/8) + 8)) \\
&:= 99 \times (9 + 9 + 9) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2574 &:= 11 \times (1 + (11 + (1 + 1) \times 111)) \\
&:= 22 \times ((22/2)^2 - (2 + 2)) \\
&:= 33 \times (3 \times 3^3 - 3) \\
&:= 4 + ((44 - 4)/4 \times (4/4 + 4^4)) \\
&:= 5 + (5^5 - (555 + 5/5)) \\
&:= 66 \times ((66 \times 6/(6 + 6)) + 6) \\
&:= 7 + (((7 + 7)/7)^7 \times ((7 - 7/7 + 7) + 7)) + 7 \\
&:= ((8 + 8)/8) \times (((8 + 8) \times (88 - 8) - 8/8) + 8) \\
&:= 99 \times ((9 - 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2575 &:= ((1 + 111) \times (1 + (11 + 11))) - 1 \\
&:= 22 + ((22 + 2/2) \times 222/2) \\
&:= 3/3 + (33 \times (3 \times 3^3 - 3)) \\
&:= 4 + ((4^4 \times (44 - 4) + 44)/4) \\
&:= 5 + (5^5 - 555) \\
&:= (6 \times (6 \times (66 + 6))) - (66/6 + 6) \\
&:= 77 + ((7 \times (7 \times 7 \times 7 + 7 + 7)) - 7/7) \\
&:= (8/8 + 8 + 8 + 8) \times (888/8 - 8) \\
&:= 9/9 + (99 \times ((9 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2576 &:= (1 + 111) \times (1 + (11 + 11)) \\
&:= 2 + (22 \times ((22/2)^2 - (2 + 2))) \\
&:= 3 + ((33 \times (3 \times 3^3 - 3)) - 3/3) \\
&:= 4 \times ((4 \times (4 \times (44 - 4))) + 4) \\
&:= 5 + ((5^5 - 555) + 5/5) \\
&:= 6 + (6666 - (((6 + 6)/6)^{6+6})) \\
&:= 77 + (7 \times (7 \times 7 \times 7 + 7 + 7)) \\
&:= 8 + ((8 \times ((8 + 8) \times (8 + 8) + 8 \times 8)) + 8) \\
&:= (9 + 9)/9 + (99 \times ((9 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2577 &:= 1 + ((1 + 111) \times (1 + (11 + 11))) \\
&:= 2^{22/2} + ((22 + 2/2)^2) \\
&:= 3 + (33 \times (3 \times 3^3 - 3)) \\
&:= 4 \times 44 + (((4 - 4/4) + 4)^4) \\
&:= 5 + (((5 + 5)/5 - 555) + 5^5) \\
&:= ((66 \times (66 + 6 + 6)) + 6)/((6 + 6)/6) \\
&:= 77 + (((7/7 + 7 \times 7)^{(7+7)/7}) - 7) \\
&:= 8 + (((8 \times ((8 + 8) \times (8 + 8) + 8 \times 8)) + 8/8) + 8) \\
&:= 9 + (((9999 - 9)/9) + 9 \times 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2578 &:= 1 + (1 + ((1 + 111) \times (1 + (11 + 11)))) \\
&:= 2 + ((22 \times ((22/2)^2 - (2 + 2))) + 2) \\
&:= 3 + ((33 \times (3 \times 3^3 - 3)) + 3/3) \\
&:= 4 + (((44 - 4)/4 \times (4/4 + 4^4)) + 4) \\
&:= 5 + ((5^5 - (555 + (5 + 5)/5)) + 5) \\
&:= ((6 + 6)/6) \times (6 \times 6 \times 6 \times 6 - (6/6 + 6)) \\
&:= ((7 + 7)/7)^7 + 7 \times (7 \times 7 \times 7 + 7) \\
&:= 8 + (((8 + 8)/8) + 8) \times ((8 + 8) \times (8 + 8) + 8/8) \\
&:= 9 + (9999/9 + 9 \times 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2579 &:= 1 + (1 + (1 + ((1 + 111) \times (1 + (11 + 11)))))) \\
&:= 2 + (((22 + 2/2)^2) + 2^{22/2}) \\
&:= 3 + (((33 \times (3 \times 3^3 - 3)) - 3/3) + 3) \\
&:= 4 + (((4^4 \times (44 - 4) + 44)/4) + 4) \\
&:= 5 + ((5^5 - (555 + 5/5)) + 5) \\
&:= (6 \times (6 \times (66 + 6))) - (6/6 + 6 + 6) \\
&:= 7 \times (7 \times 7 + 7) + ((7 + 7 + 7)/7)^7 \\
&:= 8 + ((8 \times ((8 + 8) \times (8 + 8) + 8 \times 8)) + (88/8)) \\
&:= 9 + ((9999 + 9)/9 + 9 \times 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2580 &:= (11 - 1) \times (1 + 1 + (1 + 1)^{(1+1)^{1+1+1}}) \\
&:= 2 \times ((2 + 2 + 2)^{2+2} - (2 + 2 + 2)) \\
&:= 3 + ((33 \times (3 \times 3^3 - 3)) + 3) \\
&:= 4 + (4 \times ((4 \times (4 \times (44 - 4))) + 4)) \\
&:= 5 + ((5^5 - 555) + 5) \\
&:= (6 + 6) \times (6 \times 6 \times 6 - 6/6) \\
&:= 7 \times 77 + (((7 + 7)/7)^{77/7} - 7) \\
&:= ((88 + 8)/8 + 8) \times (8 \times (8 + 8) + 8/8) \\
&:= (99/9 + 9) \times ((999/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2581 &:= ((1 + 1) \times ((1 + 1 + 1) \times (1 + 11)))^{1+1} - 11 \\
&:= (2 \times (2 + 2 + 2)^{2+2}) - 22/2 \\
&:= (3^3 \times (3 \times 33 - 3)) - 33/3 \\
&:= 4 + (((4 - 4/4) + 4^4) + 4 \times 44) \\
&:= 5^5 + (55/5 - 555) \\
&:= (6 \times (6 \times (66 + 6))) - 66/6 \\
&:= 7777/7 + ((7 + 7) \times (7 \times (7 + 7) + 7)) \\
&:= (8/8 - 88 \times 88)/(8 - 88/8) \\
&:= (99/9 + 9 + 9) \times ((9 \times 9 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2582 &:= (11 + 11 - 1) \times (1 + 1 + 11^{1+1}) - 1 \\
&:= ((2 \times 2 \times 22)^2 + 2)/(2/2 + 2) \\
&:= ((33/3 + 3)^3) - (3 + 3) \times 3^3 \\
&:= ((4^4 \times (4 \times 4 + 4)) + 44)/((4 + 4)/4) \\
&:= 5^5 + (((55 + 5)/5) - 555) \\
&:= (6 - 66)/6 + (6 \times (6 \times (66 + 6))) \\
&:= 7 + (((7 \times (7 \times 7 \times 7 + 7 + 7)) - 7/7) + 77) \\
&:= ((8 + 8)/8) \times ((8 + 8) \times (88 - 8) + (88/8)) \\
&:= 9 + (99 \times (9 + 9 + 9) - (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2583 &:= (11 + (11 - 1)) \times (1 + (1 + 11^{1+1})) \\
&:= (22 - 2/2) \times ((22/2)^2 + 2) \\
&:= 3 \times ((33 \times (3^3 - 3/3)) + 3) \\
&:= ((4^4 - 4)/4) \times ((4/4 - 4) + 44) \\
&:= 5^5 + ((55 + 5 + 5)/5 - 555) \\
&:= 6 \times 66 + ((6 \times 6/(6 + 6))^{6/6+6}) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 + 7 + 7)) + 77) \\
&:= ((8/8 + 8 + 8) \times (8 \times 8 + 88)) - 8/8 \\
&:= 9 + (99 \times ((9 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2584 &:= (11 \times (11 + ((1 + 1) \times (1 + 11)))) - 1 \\
&:= 2 \times ((2 + 2 + 2)^{2+2} - (2 + 2)) \\
&:= 3 + ((3^3 \times (3 \times 33 - 3)) - 33/3) \\
&:= 4 + ((4 \times ((4 \times (4 \times (44 - 4))) + 4)) + 4) \\
&:= 5 + (((5^5 - (555 + 5/5)) + 5) + 5) \\
&:= (6 \times (6 \times (66 + 6))) - ((6 + 6)/6 + 6) \\
&:= 7 + (((7/7 + 7 \times 7)^{(7+7)/7}) + 77) \\
&:= (8/8 + 8 + 8) \times (8 \times 8 + 88) \\
&:= (9 - 9/9) \times ((9 + 9) \times (9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2585 &:= 11 \times (11 + ((1 + 1) \times (1 + 11))) \\
&:= 2 + ((22 - 2/2) \times ((22/2)^2 + 2)) \\
&:= 33/3 + (33 \times (3 \times 3^3 - 3)) \\
&:= 4 + (((4 - 4/4) + 4^4) + 4 \times 44) + 4) \\
&:= 5 + (((5^5 - 555) + 5) + 5) \\
&:= (6 \times (6 \times (66 + 6))) - 6/6 - 6 \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 7) + ((7 + 7)/7)^7) \\
&:= 8/8 + ((8/8 + 8 + 8) \times (8 \times 8 + 88)) \\
&:= 99/9 + (99 \times ((9 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2586 &:= 1 + (11 \times (11 + ((1 + 1) \times (1 + 11)))) \\
&:= (2 \times ((2 + 2 + 2)^{2+2} - 2)) - 2 \\
&:= (3^3 \times (3 \times 33 - 3)) - 3 - 3 \\
&:= 4 \times 4 + ((44 - 4)/4 \times (4/4 + 4^4)) \\
&:= 5 + ((55/5 - 555) + 5^5) \\
&:= (6 \times (6 \times (66 + 6))) - 6 \\
&:= 7 + (((7 + 7 + 7)/7)^7 + 7 \times (7 \times 7 + 7)) \\
&:= (8 + 8)/8 + ((8/8 + 8 + 8) \times (8 \times 8 + 88)) \\
&:= ((99 + 9)/9) + (99 \times ((9 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2587 &:= 11 + ((1 + 111) \times (1 + (11 + 11))) \\
&:= (2 \times ((2 + 2 + 2)^{2+2} - 2)) - 2/2 \\
&:= 3/3 + ((3^3 \times (3 \times 33 - 3)) - (3 + 3)) \\
&:= 4 + (((4^4 - 4)/4) \times ((4/4 - 4) + 44)) \\
&:= ((5/5 + 5)^5/(5 - (5 + 5)/5)) - 5 \\
&:= 6/6 + ((6 \times (6 \times (66 + 6))) - 6) \\
&:= 7 \times 77 + (((7 + 7)/7)^{77/7}) \\
&:= (88 + 8 + 8)/8 \times (888/8 + 88) \\
&:= 9 + (9999/9 + 9 \times 9 \times (9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2588 &:= 1 + (11 + ((1 + 111) \times (1 + (11 + 11)))) \\
&:= 2 \times ((2 + 2 + 2)^{2+2} - 2) \\
&:= (3/3 + 3) \times (3 \times (3 + 3)^3 - 3/3) \\
&:= (4 \times ((4 + 4) \times (4 - 4/4)^4)) - 4 \\
&:= (5 - 5/5) \times (((55 + 55) + 5^5)/5) \\
&:= (6 + 6)/6 + ((6 \times (6 \times (66 + 6))) - 6) \\
&:= 7/7 + (((7 + 7)/7)^{77/7} + 7 \times 77) \\
&:= ((8 \times (8 \times (88 - 8) + 8)) - 8)/(8 + 8)/8) \\
&:= ((9 + 9)/9) \times (((9 + 9) \times (9 \times 9 - 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2589 &:= (1 + 1 + 1) \times (((1 + 11)^{1+1+1})/(1 + 1)) - 1 \\
&:= 2/2 + (2 \times ((2 + 2 + 2)^{2+2} - 2)) \\
&:= (3^3 \times (3 \times 33 - 3)) - 3 \\
&:= ((4^4 + 4) \times (44 - 4) - 44)/4 \\
&:= 5 \times 5 + (5^5 - ((555 + 5/5) + 5)) \\
&:= (6 \times (6 \times (66 + 6))) - 6 \times 6/(6 + 6) \\
&:= 77 + (777/7 + 7 \times 7 \times 7 \times 7) \\
&:= 8 + ((8/8 - 88 \times 88)/(8 - 88/8)) \\
&:= 9 + ((99/9 + 9) \times ((999/9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2590 &:= (1 + 1) \times (((1 + 1 + 1) \times (1 + 11))^{1+1} - 1) \\
&:= (2 \times (2 + 2 + 2)^{2+2}) - 2 \\
&:= 3/3 + ((3^3 \times (3 \times 33 - 3)) - 3) \\
&:= (44 - 4)/4 \times ((4^4 - 4/4) + 4) \\
&:= 5 \times 5 + (5^5 - (555 + 5)) \\
&:= (6 \times (6 \times (66 + 6))) - (6 + 6)/6 \\
&:= (7 \times (7 \times (7 \times 7 - 7) + 77)) - 7 \\
&:= (8 - 8/8) \times ((8888 - 8)/(8 + 8 + 8)) \\
&:= ((9 + 9)/9) \times (((9 + 9) \times (9 \times 9 - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2591 &:= ((1 + 1) \times ((1 + 1 + 1) \times (1 + 11)))^{1+1} - 1 \\
&:= (2 \times (2 + 2 + 2)^{2+2}) - 2/2 \\
&:= (3^3 \times (3 \times 33 - 3)) - 3/3 \\
&:= (4 \times ((4 + 4) \times (4 - 4/4)^4)) - 4/4 \\
&:= 5 + (((55/5 - 555) + 5^5) + 5) \\
&:= (6 \times (6 \times (66 + 6))) - 6/6 \\
&:= 7/7 + ((7 \times (7 \times (7 \times 7 - 7) + 77)) - 7) \\
&:= ((88 + 8) \times (88/8 + 8 + 8)) - 8/8 \\
&:= 99 \times (9 + 9 + 9) - (9/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2592 &:= (1 + 1) \times ((1 + 1 + 1) \times (1 + 11))^{1+1} \\
&:= 2 \times (2 + 2 + 2)^{2+2} \\
&:= 3^3 \times (3 \times 33 - 3) \\
&:= 4 \times ((4 + 4) \times (4 - 4/4)^4) \\
&:= (5/5 + 5)^5/(5 - (5 + 5)/5) \\
&:= 6 \times (6 \times (66 + 6)) \\
&:= (7/7 + 7) \times ((77/7 + 7)^{(7+7)/7}) \\
&:= (88 + 8) \times (88/8 + 8 + 8) \\
&:= (9 + 9) \times ((9 + 9) \times (9 - 9/9))
\end{aligned}$$

- 2593 := $1 + ((1 + 1) \times ((1 + 1 + 1) \times (1 + 11))^{1+1})$
:= $2/2 + (2 \times (2 + 2 + 2)^{2+2})$
:= $3/3 + (3^3 \times (3 \times 33 - 3))$
:= $4/4 + (4 \times ((4 + 4) \times (4 - 4/4)^4))$
:= $5 \times 5 + (5^5 - (555 + (5 + 5)/5))$
:= $6/6 + (6 \times (6 \times (66 + 6)))$
:= $7 + (((7 + 7 + 7)/7)^7 + 7 \times (7 \times 7 + 7)) + 7$
:= $8/8 + ((88 + 8) \times (88/8 + 8 + 8))$
:= $9/9 + ((9 + 9) \times ((9 + 9) \times (9 - 9/9)))$
- 2594 := $(1 + 1) \times (1 + ((1 + 1 + 1) \times (1 + 11))^{1+1})$
:= $2 + (2 \times (2 + 2 + 2)^{2+2})$
:= $3 + ((3^3 \times (3 \times 33 - 3)) - 3/3)$
:= $4 + ((44 - 4)/4 \times ((4^4 - 4/4) + 4))$
:= $5 \times 5 + (5^5 - (555 + 5/5))$
:= $(6 + 6)/6 + (6 \times (6 \times (66 + 6)))$
:= $((7 + 7)/7 + 7 \times 7)^{(7+7)/7} - 7$
:= $(8 + 8)/8 + ((88 + 8) \times (88/8 + 8 + 8))$
:= $(9 + 9)/9 + ((9 + 9) \times ((9 + 9) \times (9 - 9/9)))$
- 2595 := $1 + ((1 + 1) \times (1 + ((1 + 1 + 1) \times (1 + 11))^{1+1}))$
:= $2 + ((2 \times (2 + 2 + 2)^{2+2}) + 2/2)$
:= $3 + (3^3 \times (3 \times 33 - 3))$
:= $44 \times (((4^4 - 4)/4) - 4) - 4/4$
:= $5 \times 5 + (5^5 - 555)$
:= $(6 \times 6)/(6 + 6) + (6 \times (6 \times (66 + 6)))$
:= $(7 \times (7 \times (7 \times 7 - 7) + 77)) - (7 + 7)/7$
:= $88/8 + ((8/8 + 8 + 8) \times (8 \times 8 + 88))$
:= $((9 + 9 + 9)/9) + ((9 + 9) \times ((9 + 9) \times (9 - 9/9)))$
- 2596 := $(1 + 1) \times (11 \times (11^{1+1} - (1 + 1 + 1)))$
:= $2 \times ((2 + 2 + 2)^{2+2} + 2)$
:= $3 + ((3^3 \times (3 \times 33 - 3)) + 3/3)$
:= $44 \times (((4^4 - 4)/4) - 4)$
:= $5 \times 5 + ((5^5 - 555) + 5/5)$
:= $6 + ((6 \times (6 \times (66 + 6))) - ((6 + 6)/6))$
:= $(7 \times (7 \times (7 \times 7 - 7) + 77)) - 7/7$
:= $((8 \times (8 \times (88 - 8) + 8) + 8)/(8 + 8)/8)$
:= $99/9 \times ((9 \times (9 + 9 + 9) - 9) + ((9 + 9)/9))$
- 2597 := $1 + ((1 + 1) \times (11 \times (11^{1+1} - (1 + 1 + 1))))$
:= $2/2 + (2 \times ((2 + 2 + 2)^{2+2} + 2))$
:= $3 + (((3^3 \times (3 \times 33 - 3)) - 3/3) + 3)$
:= $4/4 + (44 \times (((4^4 - 4)/4) - 4))$
:= $5 + ((5/5 + 5)^5 / (5 - (5 + 5)/5))$
:= $6 + ((6 \times (6 \times (66 + 6))) - 6/6)$
:= $7 \times (7 \times (7 \times 7 - 7) + 77)$
:= $(8 - 8/8) \times ((8 - 8/8) \times (8 \times 8 - 88/8))$
:= $9 + (((9 + 9)/9) \times (((9 + 9) \times (9 \times 9 - 9)) - ((9 + 9)/9)))$
- 2598 := $((1 + (11 + 11)) \times (1 + 1 + 111)) - 1$
:= $2 + (2 \times ((2 + 2 + 2)^{2+2} + 2))$
:= $3 + ((3^3 \times (3 \times 33 - 3)) + 3)$
:= $((4^4 + 4) \times (44 - 4) - (4 + 4))/4$
:= $555 + (((5 + 5)/5)^{55/5} - 5)$
:= $6 + (6 \times (6 \times (66 + 6)))$
:= $7/7 + (7 \times (7 \times (7 \times 7 - 7) + 77))$
:= $8 + ((8 - 8/8) \times ((8888 - 8)/(8 + 8 + 8)))$
:= $9 + (((99/9 + 9) \times ((999/9 + 9) + 9)) + 9)$
- 2599 := $(1 + (11 + 11)) \times (1 + 1 + 111)$
:= $(22 + 2/2) \times (222/2 + 2)$
:= $3 + (((3^3 \times (3 \times 33 - 3)) + 3/3) + 3)$
:= $((4^4 + 4) \times (44 - 4) - 4)/4$
:= $(5 \times ((5^5 - 5)/(5/5 + 5))) - 5/5$
:= $6 + ((6 \times (6 \times (66 + 6))) + 6/6)$
:= $(7 + 7)/7 + (7 \times (7 \times (7 \times 7 - 7) + 77))$
:= $8 + (((88 + 8) \times (88/8 + 8 + 8)) - 8/8)$
:= $9 + (((9 + 9)/9) \times (((9 + 9) \times (9 \times 9 - 9)) - 9/9))$
- 2600 := $1 + ((1 + (11 + 11)) \times (1 + 1 + 111))$
:= $2 \times (((2 + 2 + 2)^{2+2} + 2) + 2)$
:= $(3^3 - 3/3) \times (3 \times 33 + 3/3)$
:= $(4^4 + 4) \times (44 - 4)/4$
:= $5 \times ((5^5 - 5)/(5/5 + 5))$
:= $6 + ((6 \times (6 \times (66 + 6))) + ((6 + 6)/6))$
:= $(7/7 + 7) \times (7 \times 7 \times 7 - (77/7 + 7))$
:= $8 + ((88 + 8) \times (88/8 + 8 + 8))$
:= $(9 - 9/9) \times ((9 + 9) \times (9 + 9) + 9/9)$
- 2601 := $(1 + ((11 - 1)^{1+1} / (1 + 1)))^{1+1}$
:= $((2 \times (22 + 2) + 2/2) + 2)^2$
:= $3 \times ((3 \times 3 \times (3 \times 33 - 3)) + 3)$
:= $((4^4 + 4) \times (44 - 4) + 4)/4$
:= $((5/5 - 5) + 55)^{(5+5)/5}$
:= $6 + ((6 \times (6 \times (66 + 6))) + (6 \times 6)/(6 + 6))$
:= $((7 + 7)/7 + 7 \times 7)^{(7+7)/7}$
:= $(8/8 + 8) \times ((8/8 + 8 + 8)^{(8+8)/8})$
:= $9 + ((9 + 9) \times ((9 + 9) \times (9 - 9/9)))$
- 2602 := $1 + ((1 + ((11 - 1)^{1+1} / (1 + 1)))^{1+1})$
:= $2 + ((2 \times 22 + 2)^2 + 22^2)$
:= $3^3 + ((33 \times (3 \times 3^3 - 3)) + 3/3)$
:= $((4^4 + 4) \times (44 - 4) + 4)/4$
:= $5^5 + (((5 + 5)/5)^5 - 555)$
:= $((66 - 6)/6) + (6 \times (6 \times (66 + 6))) + 6$
:= $7/7 + (((7 + 7)/7 + 7 \times 7)^{(7+7)/7})$
:= $((88 - 8/8) \times ((88 + 88)/8 + 8)) - 8$
:= $9 + (((9 + 9) \times ((9 + 9) \times (9 - 9/9))) + 9/9)$
- 2603 := $(1 + 1)^{11} + ((1111 - 1)/(1 + 1))$
:= $2 + (((2 \times (22 + 2) + 2/2) + 2)^2)$
:= $33/3 + (3^3 \times (3 \times 33 - 3))$
:= $4 + (((4^4 + 4) \times (44 - 4) - 4)/4)$
:= $555 + (((5 + 5)/5)^{55/5})$
:= $66/6 + (6 \times (6 \times (66 + 6)))$
:= $7 + ((7 \times (7 \times (7 \times 7 - 7) + 77)) - 7/7)$
:= $(88/8 + 8) \times ((8 \times (8 + 8) + 8/8) + 8)$
:= $99/9 + ((9 + 9) \times ((9 + 9) \times (9 - 9/9)))$
- 2604 := $(1 + 11) \times ((1 + 1) \times (111 - 1 - 1) - 1)$
:= $2 \times (((2 + 2 + 2)^{2+2} + 2) + 2) + 2$
:= $3333 - 3^{3+3}$
:= $4 + ((4^4 + 4) \times (44 - 4)/4)$
:= $5^5 - ((5^5 + 5/5)/(5/5 + 5))$
:= $6 + ((6 \times (6 \times (66 + 6))) + 6)$
:= $7 + (7 \times (7 \times (7 \times 7 - 7) + 77))$
:= $((8 \times 8 \times (88 - 8)) + 88)/(8 + 8)/8$
:= $((99 + 9)/9) + ((9 + 9) \times ((9 + 9) \times (9 - 9/9)))$
- 2605 := $1 + ((1 + 11) \times ((1 + 1) \times (111 - 1 - 1) - 1))$
:= $2 + (((2 \times (22 + 2) + 2/2) + 2)^2) + 2$
:= $3/3 + (3333 - 3^{3+3})$
:= $4 + (((4^4 + 4) \times (44 - 4) + 4)/4)$
:= $5 + (5 \times ((5^5 - 5)/(5/5 + 5)))$
:= $6 + (((6 \times (6 \times (66 + 6))) + 6/6) + 6)$
:= $7 + ((7 \times (7 \times (7 \times 7 - 7) + 77)) + 7/7)$
:= $((8 - 88/8) + 8) \times ((8 \times 8 + 8/8) + 8)$
:= $((9 \times 9 + 9)/(9 + 9)) \times (((9 + 9)/9)^9 + 9)$
- 2606 := $(11 \times (11 + ((1 + 1) \times (1 + 1 + 111)))) - 1$
:= $2 + (2 \times (((2 + 2 + 2)^{2+2} + 2) + 2) + 2)$
:= $3 + ((3^3 \times (3 \times 33 - 3)) + 33/3)$
:= $4 + (((4^4 + 4) \times (44 - 4) + 4) + 4)/4$
:= $5 + (((5/5 - 5) + 55)^{(5+5)/5})$
:= $6 + (((6 \times (6 \times (66 + 6))) + ((6 + 6)/6)) + 6)$
:= $77 + (7 \times 7 \times 7 \times 7 + ((7 + 7)/7)^7)$
:= $88 + ((8888 - 8)/8 + 88 \times (8 + 8))$
:= $9/9 + (((9 \times 9 + 9)/(9 + 9)) \times (((9 + 9)/9)^9 + 9))$
- 2607 := $11 \times (11 + ((1 + 1) \times (1 + 1 + 111)))$
:= $22/2 + (2 \times ((2 + 2 + 2)^{2+2} + 2))$
:= $3 + (3333 - 3^{3+3})$
:= $4 + (((4^4 + 4) \times (44 - 4) - 4)/4) + 4$
:= $5 + (((5 + 5)/5)^5 - 555) + 5^5$
:= $6 + (((6 \times (6 \times (66 + 6))) + (6 \times 6)/(6 + 6)) + 6)$
:= $77 + (((7 + 7 + 7)/7)^7 + 7 \times 7 \times 7)$
:= $88 + (8888/8 + 88 \times (8 + 8))$
:= $(9 \times 9 - ((9 + 9)/9)) \times (99/((9 + 9 + 9)/9))$

- ▶ 2608 := $1 + (11 \times (11 + ((1 + 1) \times (1 + 1 + 111))))$
:= $2 \times ((2 + 2 + 2)^{2+2} + 2 \times (2 + 2))$
:= $(3 - 3/3) \times ((33/3)^3 - 3^3)$
:= $4 \times (((4 + 4) \times (4 - 4/4)^4) + 4)$
:= $5 + (((5 + 5)/5)^{55/5} + 555)$
:= $6 + ((6 \times (6 \times (66 + 6))) + ((66 - 6)/6))$
:= $7 + (((7 + 7)/7 + 7 \times 7)^{(7+7)/7})$
:= $(8 + 8) \times ((88/8 + 88) + 8 \times 8)$
:= $(9 - 9/9) \times ((9 + 9) \times (9 + 9) + ((9 + 9)/9))$
- ▶ 2609 := $(1 + 1)^{11} + ((11 + 1111)/(1 + 1))$
:= $2 + ((2 \times ((2 + 2 + 2)^{2+2} + 2)) + 22/2)$
:= $(3 \times (33 \times 3^3)) - ((3/3 + 3)^3)$
:= $4 + (((4^4 + 4) \times (44 - 4) + 4)/4) + 4$
:= $5 + (5^5 - ((5^5 + 5/5)/(5/5 + 5)))$
:= $6 + ((6 \times (6 \times (66 + 6))) + (66/6))$
:= $7 \times 7 \times (7 \times 7 + 7) - (((7 + 7)/7)^7 + 7)$
:= $8 + ((8/8 + 8) \times ((8/8 + 8 + 8)^{(8+8)/8}))$
:= $9 + ((9 - 9/9) \times ((9 + 9) \times (9 + 9) + 9/9))$
- ▶ 2610 := $11 + ((1 + (11 + 11)) \times (1 + 1 + 111))$
:= $22 + (2 \times ((2 + 2 + 2)^{2+2} - 2))$
:= $(3^3 + 3) \times (3 \times 3^3 + 3 + 3)$
:= $(44 - 4)/4 \times ((4/4 + 4^4) + 4)$
:= $5 + ((5 \times ((5^5 - 5)/(5/5 + 5))) + 5)$
:= $6 + (((6 \times (6 \times (66 + 6))) + 6) + 6)$
:= $777/7 + (7 \times (7 \times 7 + 7 + 7))$
:= $(88 - 8/8) \times ((88 + 88)/8 + 8)$
:= $(9/9 + 9) \times (9 \times (9 + 9) + 99)$
- ▶ 2611 := $111 + (((11 - 1)^{1+1}/(1 + 1))^{1+1})$
:= $222/2 + (2 \times (22 + 2) + 2)^2$
:= $3 + ((3 - 3/3) \times ((33/3)^3 - 3^3))$
:= $444/4 + (4 \times (4/4 + 4)^4)$
:= $5^5 + ((555 - 5^5)/5)$
:= $6 + (((6 \times (6 \times (66 + 6))) + 6/6) + 6) + 6$
:= $7 + ((7 \times (7 \times (7 \times 7 - 7) + 77)) + 7)$
:= $8 + ((88/8 + 8) \times ((8 \times (8 + 8) + 8/8) + 8))$
:= $9/9 + ((9/9 + 9) \times (9 \times (9 + 9) + 99))$
- ▶ 2612 := $11 + ((1 + ((11 - 1)^{1+1}/(1 + 1)))^{1+1})$
:= $22 + ((2 \times (2 + 2 + 2)^{2+2}) - 2)$
:= $3 + ((3 \times (33 \times 3^3)) - ((3/3 + 3)^3))$
:= $4 + (4 \times (((4 + 4) \times (4 - 4/4)^4) + 4))$
:= $5^5 + (((555 - 5^5) + 5)/5)$
:= $6 + (((6 \times (6 \times (66 + 6))) + ((6 + 6)/6)) + 6) + 6$
:= $7 + (((7 \times (7 \times (7 \times 7 - 7) + 77)) + 7/7) + 7)$
:= $8 + (((8 \times 8 \times (88 - 8)) + 88)/((8 + 8)/8))$
:= $9 + (((9 + 9) \times ((9 + 9) \times (9 - 9/9))) + (99/9))$
- ▶ 2613 := $(1 + 1 + 11) \times (1 + ((1 + 1) \times (11 - 1)^{1+1}))$
:= $22 + ((2 \times (2 + 2 + 2)^{2+2}) - 2/2)$
:= $3 + ((3^3 + 3) \times (3 \times 3^3 + 3 + 3))$
:= $4^4 + (((4 - 4/4) + 4)^4) - 44$
:= $5^5 - (((5 + 5)/5)^{5-5/5+5})$
:= $(66 + 6/6) \times ((66 \times 6/(6 + 6)) + 6)$
:= $(7 \times (7 \times 77 - 7)) - 7777/7$
:= $8 \times 8 \times 8 + ((88 \times (8 + 8 + 8)) - (88/8))$
:= $((9 + 9 + 9)/9) \times (9 \times 99 - (99/9 + 9))$
- ▶ 2614 := $(1 + 1) \times (((1 + 11) \times (111 - 1 - 1)) - 1)$
:= $22 + (2 \times (2 + 2 + 2)^{2+2})$
:= $(3 - 3/3) \times (((33/3)^3 - 3^3) + 3)$
:= $4 + ((44 - 4)/4 \times ((4/4 + 4^4) + 4))$
:= $55 + (5^5 - (555 + (55/5)))$
:= $((6 + 6)/6) \times (6 \times 6 \times 6 + 6 + (66/6))$
:= $7 + (((7 + 7 + 7)/7)^7 + 7 \times 7 \times 7 + 77)$
:= $8 \times 8 + (((8 + 8)/8) + 8) \times ((8 + 8) \times (8 + 8) - 8/8)$
:= $9 + (((9 \times 9 + 9)/(9 + 9)) \times (((9 + 9)/9)^9 + 9))$
- ▶ 2615 := $((1 + 1) \times ((1 + 11) \times (111 - 1 - 1))) - 1$
:= $22 + ((2 \times (2 + 2 + 2)^{2+2}) + 2/2)$
:= $33/3 + (3333 - 3^{3+3})$
:= $4 + ((4 \times (4/4 + 4)^4) + 444/4)$
:= $5 \times (555 - ((5 + 5)/5)^5)$
:= $6 + (((6 \times (6 \times (66 + 6))) + (66/6)) + 6)$
:= $7 + (((7 + 7)/7 + 7 \times 7)^{(7+7)/7} + 7)$
:= $888 + (8 \times (8 \times (8 + 8) + 88) - 8/8)$
:= $(9 \times (9 \times 9 - (9 + 9))) + (((9 + 9)/9)^{99/9})$
- ▶ 2616 := $(1 + 1) \times ((1 + 11) \times (111 - 1 - 1))$
:= $(22 + 2) \times (222/2 - 2)$
:= $3^3 + ((3^3 \times (3 \times 33 - 3)) - 3)$
:= $4 \times 4 + ((4^4 + 4) \times (44 - 4)/4)$
:= $5 + (((555 - 5^5)/5) + 5^5)$
:= $(6 + 6) \times (6 \times 6 \times 6 + (6 + 6)/6)$
:= $7 \times 7 \times (7 \times 7 + 7) - ((7 + 7)/7)^7$
:= $888 + 8 \times (8 \times (8 + 8) + 88)$
:= $9 \times 9 \times 9 + (((9 - 9/9) + 9) \times 999/9)$
- ▶ 2617 := $1 + ((1 + 1) \times ((1 + 11) \times (111 - 1 - 1)))$
:= $(22 \times ((22/2)^2 - 2)) - 2/2$
:= $(3 + 3)^3 + (((3/3 + 3) + 3)^{3/3+3})$
:= $4 + (((4 - 4/4) + 4)^4) - 44 + 4^4$
:= $5 + (((555 - 5^5) + 5)/5) + 5^5$
:= $(6 \times ((6 \times (66 + 6)) + 6)) - 66/6$
:= $(7 \times (7 \times (7 \times 7 + 7) - 7)) - 7/7 - 77$
:= $8/8 + (8 \times (8 \times (8 + 8) + 88) + 888)$
:= $9 + ((9 - 9/9) \times ((9 + 9) \times (9 + 9) + ((9 + 9)/9)))$
- ▶ 2618 := $(1 + 1) \times 11 \times (11^{1+1} - 1 - 1)$
:= $22 \times ((22/2)^2 - 2)$
:= $3^3 + ((3^3 \times (3 \times 33 - 3)) - 3/3)$
:= $44/4 \times (4^4 - ((4 + 4)/4 + 4 \times 4))$
:= $55/5 \times (((5 - (5 + 5)/5)^5) - 5)$
:= $(6 - 66)/6 + (6 \times ((6 \times (66 + 6)) + 6))$
:= $77 \times (7 \times 7 - (7/7 + 7 + 7))$
:= $(888/8 + 8) \times (88 + 88)/8$
:= $999 + ((9 \times (99 + 9 \times 9)) - 9/9)$
- ▶ 2619 := $1 + ((1 + 1) \times 11 \times (11^{1+1} - 1 - 1))$
:= $2/2 + (22 \times ((22/2)^2 - 2))$
:= $3 \times (3 \times (3 \times (3 \times 33 - 3) + 3))$
:= $(4 \times (4 \times (4 \times (44 - 4) + 4))) - (4/4 + 4)$
:= $55 + (5^5 - ((555 + 5/5) + 5))$
:= $6 + ((66 + 6/6) \times ((66 \times 6/(6 + 6)) + 6))$
:= $7/7 + (77 \times (7 \times 7 - (7/7 + 7 + 7)))$
:= $(88/8 + 8 + 8) \times ((8/8 + 88) + 8)$
:= $999 + (9 \times (99 + 9 \times 9))$
- ▶ 2620 := $(1 + 1) \times (1 + 11 \times (11^{1+1} - 1 - 1))$
:= $2 + (22 \times ((22/2)^2 - 2))$
:= $3^3 + ((3^3 \times (3 \times 33 - 3)) + 3/3)$
:= $(4 \times (4 \times (4 \times (44 - 4) + 4))) - 4$
:= $55 + (5^5 - (555 + 5))$
:= $((6 + 6)/6)^6 + (6 \times ((6 \times (66 + 6)) - 6))$
:= $7 + ((7 \times (7 \times 77 - 7)) - 7777/7)$
:= $8 \times 8 + (((8 \times 8 \times (88 - 8)) - 8)/((8 + 8)/8))$
:= $9/9 + ((9 \times (99 + 9 \times 9)) + 999)$
- ▶ 2621 := $1 + (1 + 1) \times (1 + 11 \times (11^{1+1} - 1 - 1))$
:= $2 + ((22 \times ((22/2)^2 - 2)) + 2/2)$
:= $((33 - 3/3) \times (3 \times 3^3 + 3/3)) - 3$
:= $44 + (((4 - 4/4) + 4)^4) + 4 \times 44$
:= $5 + (((555 - 5^5)/5) + 5^5) + 5$
:= $(6 \times ((6 \times (66 + 6)) + 6)) - 6/6 - 6$
:= $777 + (((7 + 7 + 7)/7)^7 - 7 \times 7 \times 7)$
:= $8 \times 8 \times 8 + ((88/8 + 8) \times 888/8)$
:= $(9 + 9)/9 + ((9 \times (99 + 9 \times 9)) + 999)$
- ▶ 2622 := $(1 + (11 + 11)) \times (1 + 1 + 1 + 111)$
:= $(22 - 2)^2 + 2222$
:= $3 + ((3^3 \times (3 \times 33 - 3)) + 3^3)$
:= $(4 \times (4 \times (4 \times (44 - 4) + 4))) - (4 + 4)/4$
:= $5^5 + (((555 - 5^5) + 55)/5)$
:= $(6 \times ((6 \times (66 + 6)) + 6)) - 6$
:= $(7 \times 7 - 77/7) \times (77 - (7/7 + 7))$
:= $8 \times 8 \times 8 + ((88 \times (8 + 8 + 8)) - ((8 + 8)/8))$
:= $9 \times 9 \times 9 + ((9 + 9) \times 99 + 999/9)$

$$\begin{aligned}
\blacktriangleright 2623 &:= 1 + ((1 + (11 + 11)) \times (1 + 1 + 1 + 111)) \\
&:= 22 + (((2 \times (22 + 2) + 2/2) + 2)^2) \\
&:= ((3 - 3/3) \times ((33/3)^3 - 3)) - 33 \\
&:= (44 - 4/4) \times ((4^4 + 4)/4 - 4) \\
&:= 5 + (55/5 \times (((5 - (5 + 5)/5)^5) - 5)) \\
&:= 6/6 + ((6 \times (66 + 6)) + 6) - 6 \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7) - ((7 + 7)/7)^7) \\
&:= 8 \times 8 \times 8 + ((88 \times (8 + 8 + 8)) - 8/8) \\
&:= 99 \times (9 + 9 + 9) - ((9 \times 99 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2624 &:= (1 + 1)^{11} + (((1 + 1) \times (1 + 11))^{1+1}) \\
&:= 2^{22/2} + ((22 + 2)^2) \\
&:= (33 - 3/3) \times (3 \times 3^3 + 3/3) \\
&:= 4 \times (4 \times (4 \times (44 - 4) + 4)) \\
&:= 55 + (5^5 - (555 + 5/5)) \\
&:= ((6 + 6)/6)^6 \times (6 \times 6 - 6/6 + 6) \\
&:= (7/7 + 7) \times (7 \times 7 \times 7 - (7/7 + 7 + 7)) \\
&:= 8 \times (((8 + 8) \times (8 + 8) + 8 \times 8) + 8) \\
&:= (9/9 + 9 \times 9) \times (((99 + 99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2625 &:= 1 + ((1 + 1)^{11} + (((1 + 1) \times (1 + 11))^{1+1})) \\
&:= 2/2 + (2^{22/2} + ((22 + 2)^2)) \\
&:= 33 + (3^3 \times (3 \times 33 - 3)) \\
&:= 4/4 + (4 \times (4 \times (4 \times (44 - 4) + 4))) \\
&:= 5 \times (5 \times (5 \times (5 \times 5 - 5) + 5)) \\
&:= (6 \times 6 - 6/6) \times (666/6 - 6 \times 6) \\
&:= 7 + (77 \times (7 \times 7 - (7/7 + 7 + 7))) \\
&:= 8/8 + ((88 \times (8 + 8 + 8)) + 8 \times 8 \times 8) \\
&:= 9 + (((9 - 9/9) + 9) \times 999/9) + 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2626 &:= (1 + 1) \times (1 + 1 + 11) \times (1 + (11 - 1)^{1+1}) \\
&:= 2 + (2^{22/2} + ((22 + 2)^2)) \\
&:= 3/3 + ((3^3 \times (3 \times 33 - 3)) + 33) \\
&:= (4 + 4)/4 + (4 \times (4 \times (4 \times (44 - 4) + 4))) \\
&:= 55 + ((5^5 - 555) + 5/5) \\
&:= (6 \times ((6 \times (66 + 6)) + 6)) - (6 + 6)/6 \\
&:= 7 \times 7 \times (7 \times 7 + 7) - (777/7 + 7) \\
&:= 8 + ((888/8 + 8) \times (88 + 88)/8) \\
&:= (((9 - 9/9) + 9) + 9) \times ((9 + 9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2627 &:= ((1 + 11) \times (((1 + 1) \times (111 - 1)) - 1)) - 1 \\
&:= (22/2 \times ((22^2 - 2)/2 - 2)) - 2 \\
&:= (33/3)^3 + ((3 + 3)^{3/3+3}) \\
&:= 4 + ((44 - 4/4) \times ((4^4 + 4)/4 - 4)) \\
&:= 55 + (((5 + 5)/5 - 555) + 5^5) \\
&:= (6 \times ((6 \times (66 + 6)) + 6)) - 6/6 \\
&:= ((7 + 7)/7)^7 + (7 \times (7 \times 7 \times 7 + 7 + 7)) \\
&:= 8 + ((88/8 + 8 + 8) \times ((8/8 + 88) + 8)) \\
&:= 9 + (((9 \times (99 + 9 \times 9)) - 9/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2628 &:= (1 + 11) \times (((1 + 1) \times (111 - 1)) - 1) \\
&:= (2 + 2 + 2) \times ((2 \times (222 - 2)) - 2) \\
&:= (3 \times 3 + 3) \times ((3 + 3)^3 + 3) \\
&:= 4 + (4 \times (4 \times (4 \times (44 - 4) + 4))) \\
&:= (5 - 5/5) \times (((5 + 5)/5)^5 + 5^5/5) \\
&:= 6 \times ((6 \times (66 + 6)) + 6) \\
&:= (77/7 + 7) \times (7 \times (7 + 7 + 7) - 7/7) \\
&:= 8 \times 8 + (((8 \times 8 \times (88 - 8)) + 8)/(8 + 8)/8) \\
&:= 9 + ((9 \times (99 + 9 \times 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2629 &:= 11 \times (((1 + 1) \times (11^{1+1} - 1)) - 1) \\
&:= 22/2 \times ((22^2 - 2)/2 - 2) \\
&:= 3/3 + ((3 \times 3 + 3) \times ((3 + 3)^3 + 3)) \\
&:= 44/4 \times (4^4 - (4 \times 4 + 4/4)) \\
&:= 5 + ((55 - (555 + 5/5)) + 5^5) \\
&:= 6/6 + (6 \times ((6 \times (66 + 6)) + 6)) \\
&:= 7 + ((7 \times 7 - 77/7) \times (77 - (7/7 + 7))) \\
&:= 88/8 \times (888/8 + 8 \times (8 + 8)) \\
&:= 9 + (((9 \times (99 + 9 \times 9)) + 999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2630 &:= 1 + (11 \times (((1 + 1) \times (11^{1+1} - 1)) - 1)) \\
&:= 2 + ((2 + 2 + 2) \times ((2 \times (222 - 2)) - 2)) \\
&:= 3 + (((3 + 3)^{3/3+3}) + (33/3)^3) \\
&:= (4 - 44)/4 + (44 \times (4 \times 4 + 44)) \\
&:= 5 + ((5^5 - 555) + 55) \\
&:= (6 + 6)/6 + (6 \times ((6 \times (66 + 6)) + 6)) \\
&:= 7 + ((7 \times 7 \times (7 \times 7 + 7) - ((7 + 7)/7)^7) + 7) \\
&:= (((8 + 8)/8) + 8) \times (((8 + 8) \times (8 + 8) - 8/8) + 8) \\
&:= 99/9 + ((9 \times (99 + 9 \times 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2631 &:= 1 + (1 + (11 \times (((1 + 1) \times (11^{1+1} - 1)) - 1))) \\
&:= 2 + (22/2 \times ((22^2 - 2)/2 - 2)) \\
&:= 3 + ((3 \times 3 + 3) \times ((3 + 3)^3 + 3)) \\
&:= 444 + ((4 - 4/4)^{4+4-4/4}) \\
&:= 5 + (((5/5 - 555) + 55) + 5^5) \\
&:= 666/6 + ((6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= ((7 + 7) \times (777/7 + 77)) - 7/7 \\
&:= (88/8 - 8) \times (888 - 88/8) \\
&:= (((9 + 9 + 9)/9) \times (9 \times 99 - (99/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2632 &:= (1 + 1 + 1 + 11)^{1+1+1} - (1 + 111) \\
&:= 2 \times (((2 + 2 + 2)^{2+2} - 2) + 22) \\
&:= 3 + (((3 \times 3 + 3) \times ((3 + 3)^3 + 3)) + 3/3) \\
&:= (44 \times (4 \times 4 + 44)) - 4 - 4 \\
&:= 5 + (((5 + 5)/5 - 555) + 55) + 5^5 \\
&:= 6 + ((6 \times ((6 \times (66 + 6)) + 6)) - ((6 + 6)/6)) \\
&:= (7 + 7) \times (777/7 + 77) \\
&:= 8 + ((88 \times (8 + 8 + 8)) + 8 \times 8 \times 8) \\
&:= 99 \times (9 + 9 + 9) - ((9 \times 9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2633 &:= (1 + 1 + 1 + 11)^{1+1+1} - 111 \\
&:= 2 + ((22/2 \times ((22^2 - 2)/2 - 2)) + 2) \\
&:= ((33/3 + 3)^3) - 333/3 \\
&:= 4 + (44/4 \times (4^4 - (4 \times 4 + 4/4))) \\
&:= 5 + ((5 - 5/5) \times (((5 + 5)/5)^5 + 5^5/5)) \\
&:= 6 + ((6 \times ((6 \times (66 + 6)) + 6)) - 6/6) \\
&:= 7 \times 7 \times (7 \times 7 + 7) - 777/7 \\
&:= 8 + (((88 \times (8 + 8 + 8)) + 8 \times 8 \times 8) + 8/8) \\
&:= 99 \times (9 + 9 + 9) + ((9 - 9 \times 9 \times 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2634 &:= 1 + ((1 + 1 + 1 + 11)^{1+1+1} - 111) \\
&:= (2 + 2 + 2) \times (((22 - 2/2)^2) - 2) \\
&:= 3 + (((3 \times 3 + 3) \times ((3 + 3)^3 + 3)) + 3) \\
&:= ((4 + 4)/4 + 4) \times (444 - (4/4 + 4)) \\
&:= 5^5 + (((5^5 - 5555)/5) - 5) \\
&:= 6 + (6 \times ((6 \times (66 + 6)) + 6)) \\
&:= ((7 - 777)/7) + 7 \times 7 \times (7 \times 7 + 7) \\
&:= (88/8 - 8) \times ((8 - 88)/8 + 888) \\
&:= (9 + 9) \times (9 \times (9 + 9) - 9) - (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2635 &:= ((1 + 1) \times (11^{1+1+1} - (1 + 1 + 11))) - 1 \\
&:= (2/2 + 2 + 2) \times ((22 + 2/2)^2 - 2) \\
&:= ((3 - 3/3) \times (33/3)^3) - 3^3 \\
&:= (44 \times (4 \times 4 + 44)) - (4/4 + 4) \\
&:= 5 + (((5^5 - 555) + 55) + 5) \\
&:= 6 + ((6 \times ((6 \times (66 + 6)) + 6)) + 6/6) \\
&:= (7 \times (7 \times (7 \times 7 + 7) - (7 + 7))) - 77/7 \\
&:= 8 \times 8 \times 8 + ((88 \times (8 + 8 + 8)) + (88/8)) \\
&:= (9 + 9 + 9) \times (99 - 9/9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2636 &:= (1 + 1) \times (11^{1+1+1} - (1 + 1 + 11)) \\
&:= 2 \times ((2 + 2 + 2)^{2+2} + 22) \\
&:= ((33/3 + 3)^3) - (3 \times (33 + 3)) \\
&:= (44 \times (4 \times 4 + 44)) - 4 \\
&:= 5 \times 5 + (((555 - 5^5)/5) + 5^5) \\
&:= 6 + ((6 \times ((6 \times (66 + 6)) + 6)) + ((6 + 6)/6)) \\
&:= 7 \times (77 + 7) + (((7 + 7)/7)^{7/7}) \\
&:= ((8 \times (8 \times (88 - 8) + 8)) + 88)/((8 + 8)/8) \\
&:= (9 + 9 + 9) \times (99 - 9/9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2637 &:= ((1 + 1) \times (11^{1+1+1} - (1 + 11))) - 1 \\
&:= 2/2 + (2 \times ((2 + 2 + 2)^{2+2} + 22)) \\
&:= 3 \times ((33 \times 3^3) - (3 \times 3 + 3)) \\
&:= 4/4 + (44 \times (4 \times 4 + 44) - 4) \\
&:= 5 \times 5 + (((555 - 5^5) + 5)/5) + 5^5 \\
&:= 6 + ((6 \times ((6 \times (66 + 6)) + 6)) + (6 \times 6/(6 + 6))) \\
&:= ((7 + 7)/7 + 7) \times (7 \times (7 \times 7 - 7) - 7/7) \\
&:= (88/8 - 8) \times (888 - 8/8 - 8) \\
&:= (9 + 9 + 9) \times (99 - 9/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2638 &:= (1+1) \times (11^{1+1+1} - (1+11)) \\
&:= 2 + (2 \times ((2+2+2)^{2+2} + 22)) \\
&:= 3 + (((3-3/3) \times (33/3)^3) - 3^3) \\
&:= (44 \times (4 \times 4 + 44)) - (4+4)/4 \\
&:= 5^5 + ((5^5 - (5555+5))/5) \\
&:= ((66-6)/6) + (6 \times ((6 \times (66+6)) + 6)) \\
&:= (7 \times (7 \times (7 \times 7 + 7) - (7+7))) - (7/7+7) \\
&:= ((8+8)/8) \times (88 \times (8+8) - (8/8+88)) \\
&:= 9/9 + ((9+9+9) \times (99-9/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2639 &:= ((1+1) \times 11 \times (11^{1+1} - 1)) - 1 \\
&:= ((22 \times (22^2/2 - 2)) - 2)/2 \\
&:= (3 \times (33 \times 3^3)) - 3/3 - 33 \\
&:= (44 \times (4 \times 4 + 44)) - 4/4 \\
&:= 5^5 + ((5^5 - 5555)/5) \\
&:= 66/6 + (6 \times ((6 \times (66+6)) + 6)) \\
&:= (7 \times (7 \times (7 \times 7 + 7) - (7+7))) - 7 \\
&:= (88 \times ((88+88)/8+8)) - 8/8 \\
&:= (99/9+9+9) \times ((9/9+9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2640 &:= (1+1) \times 11 \times (11^{1+1} - 1) \\
&:= 2 \times ((2+2+2) \times (222-2)) \\
&:= 33 \times (3 \times 3^3 - 3/3) \\
&:= 44 \times (4 \times 4 + 44) \\
&:= (5+5) \times (5 \times 55 - (55/5)) \\
&:= 6 + ((6 \times ((6 \times (66+6)) + 6)) + 6) \\
&:= (7 \times 7 - 7/7) \times ((7 \times 7 - 7/7) + 7) \\
&:= 88 \times ((88+88)/8+8) \\
&:= ((9+9+9)/9) \times (9 \times 99 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2641 &:= 1 + ((1+1) \times 11 \times (11^{1+1} - 1)) \\
&:= ((22 \times (22^2/2 - 2)) + 2)/2 \\
&:= 3/3 + (33 \times (3 \times 3^3 - 3/3)) \\
&:= 4/4 + (44 \times (4 \times 4 + 44)) \\
&:= 5^5 + (55/5 \times (55/5 - 55)) \\
&:= 6 + (((6 \times ((6 \times (66+6)) + 6)) + 6/6) + 6) \\
&:= 7 + (((7-777)/7) + 7 \times 7 \times (7 \times 7 + 7)) \\
&:= 8/8 + (88 \times ((88+88)/8+8)) \\
&:= 9 \times 9 + ((9/9+9) \times (((9+9)/9)^{9-9/9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2642 &:= (1+1) \times (1+11 \times (11^{1+1} - 1)) \\
&:= 2 + (2 \times ((2+2+2) \times (222-2))) \\
&:= ((33/3+3)^3) - (3 \times 33+3) \\
&:= (4+4)/4 + (44 \times (4 \times 4 + 44)) \\
&:= 55 + (((5/5+5)^5)/(5 - (5+5)/5)) - 5 \\
&:= 6 + (((6 \times ((6 \times (66+6)) + 6)) + ((6+6)/6)) + 6) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 + 7) - (7+7))) - (77/7)) \\
&:= (8+8)/8 + (88 \times ((88+88)/8+8)) \\
&:= 99 \times (9+9+9) - (((99+99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2643 &:= 1 + (1+1) \times (1+11 \times (11^{1+1} - 1)) \\
&:= 2 + (((22 \times (22^2/2 - 2)) + 2)/2) \\
&:= 3 + (33 \times (3 \times 3^3 - 3/3)) \\
&:= 4 + (44 \times (4 \times 4 + 44) - 4/4) \\
&:= (5 \times (555 - 5 \times 5)) - ((5+5)/5+5) \\
&:= ((6 \times (666+6 \times 6 \times 6)) - 6)/((6+6)/6) \\
&:= 7 + (((7+7)/7)^{77/7}) + 7 \times (77+7) \\
&:= (88/8 - 8) \times ((888 - 8) + 8/8) \\
&:= ((9+9+9)/9) \times (9 \times 99 - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2644 &:= (1+1) \times (1+1+11 \times (11^{1+1} - 1)) \\
&:= 2 \times (((2+2+2) \times (222-2)) + 2) \\
&:= (3-3/3) \times ((33/3)^3 - 3 \times 3) \\
&:= 4 + (44 \times (4 \times 4 + 44)) \\
&:= (5 \times (555 - 5 \times 5)) - (5/5+5) \\
&:= (6 - ((6+6)/6)) \times ((666-6) + 6/6) \\
&:= (7 \times (7 \times (7 \times 7 + 7) - (7+7))) - (7+7)/7 \\
&:= 88 + (((8 \times 8 \times (88-8)) - 8)/(8+8)/8) \\
&:= 99 \times (9+9+9) - (99/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2645 &:= 1 + (1+1) \times (1+1+11 \times (11^{1+1} - 1)) \\
&:= (2/2+2+2) \times ((22+2/2)^2) \\
&:= ((33/3+3)^3) - 3 \times 33 \\
&:= 4 + (44 \times (4 \times 4 + 44) + 4/4) \\
&:= (5 \times (555 - 5 \times 5)) - 5 \\
&:= 6 + ((6 \times ((6 \times (66+6)) + 6)) + (66/6)) \\
&:= (7 \times (7 \times (7 \times 7 + 7) - (7+7))) - 7/7 \\
&:= 8 + ((88/8 - 8) \times (888 - 8/8 - 8)) \\
&:= (9+9+9) \times (99-9/9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2646 &:= (1+1) \times (1+1+1+11 \times (11^{1+1} - 1)) \\
&:= (2+2+2) \times ((22-2/2)^2) \\
&:= 3 \times (3 \times (3 \times 3 \times 33 - 3)) \\
&:= ((4^4 - 4)/4) \times (44 - (4+4)/4) \\
&:= 5/5 + ((5 \times (555 - 5 \times 5)) - 5) \\
&:= 666 + 66 \times (6 \times 6 - 6) \\
&:= 7 \times (7 \times (7 \times 7 + 7) - (7+7)) \\
&:= ((8+8)/8) \times (((88/8)^{88/8-8}) - 8) \\
&:= (9+9+9) \times (99-9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2647 &:= (1+1) \times (11^{1+1+1} - 1 - 1) - 11 \\
&:= 2 + ((2/2+2+2) \times ((22+2/2)^2)) \\
&:= 3/3 + (3 \times (3 \times (3 \times 3 \times 33 - 3))) \\
&:= 4 + ((44 \times (4 \times 4 + 44) - 4/4) + 4) \\
&:= 55 + ((5/5+5)^5/(5 - (5+5)/5)) \\
&:= 66 + ((6 \times (6 \times (66+6))) - (66/6)) \\
&:= 7/7 + (7 \times (7 \times (7 \times 7 + 7) - (7+7))) \\
&:= 8888/8 + 8 \times 8 \times (8+8+8) \\
&:= 9/9 + (9+9+9) \times (99-9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2648 &:= (1+1) \times (11^{1+1+1} - 1) - 1 - 11 \\
&:= 2 + ((2+2+2) \times ((22-2/2)^2)) \\
&:= 3 + (((33/3+3)^3) - 3 \times 33) \\
&:= 4 + (44 \times (4 \times 4 + 44) + 4) \\
&:= (5 \times (555 - 5 \times 5)) - (5+5)/5 \\
&:= 66 + ((6 \times (6 \times (66+6))) + ((6-66)/6)) \\
&:= (7+7)/7 + (7 \times (7 \times (7 \times 7 + 7) - (7+7))) \\
&:= 8 + (88 \times ((88+88)/8+8)) \\
&:= (9+9)/9 + (9+9+9) \times (99-9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2649 &:= (1+1) \times (11^{1+1+1} - 1) - 11 \\
&:= (22/2 \times (22^2 - 2)/2) - 2 \\
&:= 3 + (3 \times (3 \times (3 \times 3 \times 33 - 3))) \\
&:= 4^4 + (((4-4/4) + 4)^4) - (4+4) \\
&:= (5 \times (555 - 5 \times 5)) - 5/5 \\
&:= (66 \times (6 \times 6 + 6)) - ((666/6+6) + 6) \\
&:= 7 \times 77 + (((7+7+7)/7)^7 - 77) \\
&:= 8 + ((88 \times ((88+88)/8+8)) + 8/8) \\
&:= ((9+9+9)/9) \times ((9 \times 99 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2650 &:= (1+1) \times 11^{1+1+1} - 1 - 11 \\
&:= ((22 \times (22^2 - 2)/2) - 2)/2 \\
&:= (3-3/3) \times ((33/3)^3 - (3+3)) \\
&:= 4 + (((4^4 - 4)/4) \times (44 - (4+4)/4)) \\
&:= 5 \times (555 - 5 \times 5) \\
&:= ((6+6)/6)^6 + ((6 \times (6 \times (66+6))) - 6) \\
&:= 7 \times 7 + (((7+7)/7 + 7 \times 7)^{(7+7)/7}) \\
&:= (((8+8)/8) + 8) \times (((8+8) \times (8+8) + 8/8) + 8) \\
&:= (9/9+9) \times (((9+9)/9)^{9-9/9} + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2651 &:= 11 \times (((1+1) \times 11^{1+1}) - 1) \\
&:= 22/2 \times (22^2 - 2)/2 \\
&:= 33/3 \times (((3^3+3) + 3)/3) - 3 \\
&:= 44/4 + (44 \times (4 \times 4 + 44)) \\
&:= 5/5 + (5 \times (555 - 5 \times 5)) \\
&:= 66 + ((6 \times (6 \times (66+6))) - (6/6+6)) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 + 7) - (7+7))) - ((7+7)/7)) \\
&:= 8 + ((88/8 - 8) \times ((888 - 8) + 8/8)) \\
&:= 99/9 \times (9 \times (9+9+9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2652 &:= (1+11) \times ((1+1) \times 111 - 1) \\
&:= (2+2+2) \times (2 \times 222 - 2) \\
&:= (3^3 - 3/3) \times (3 \times 33 + 3) \\
&:= 4 + ((44 \times (4 \times 4 + 44) + 4) + 4) \\
&:= (5+5)/5 + (5 \times (555 - 5 \times 5)) \\
&:= 66 + ((6 \times (6 \times (66+6))) - 6) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 + 7) - (7+7))) - 7/7) \\
&:= 88 + (((8 \times 8 \times (88-8)) + 8)/(8+8)/8) \\
&:= (((9-9/9) + 9) + 9) \times (999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2653 &:= 1 + ((1 + 11) \times ((1 + 1) \times 111 - 1)) \\
&:= 2 + (22/2 \times (22^2 - 2)/2) \\
&:= (3 \times ((33 \times 3^3) - 3)) - 33/3 \\
&:= 4^4 + (((4 - 4/4) + 4)^4) - 4 \\
&:= 5 + ((5 \times (555 - 5 \times 5)) - ((5 + 5)/5)) \\
&:= ((6 + 6) \times (6 \times 6 \times 6 + 6)) - 66/6 \\
&:= 7 + (7 \times (7 \times (7 \times 7 + 7) - (7 + 7))) \\
&:= ((8 + 8 + 8) \times 888/8) - 88/8 \\
&:= 99 \times (9 + 9 + 9) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2654 &:= 1 + (1 + ((1 + 11) \times ((1 + 1) \times 111 - 1))) \\
&:= 2 + ((2 + 2 + 2) \times (2 \times 222 - 2)) \\
&:= (3 \times (3 - 33)) + ((33/3 + 3)^3) \\
&:= 4/4 + (((4 - 4/4) + 4)^4) - 4 + 4^4 \\
&:= 5 + ((5 \times (555 - 5 \times 5)) - 5/5) \\
&:= (6 - 66)/6 + ((6 + 6) \times (6 \times 6 \times 6 + 6)) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 + 7) - (7 + 7))) + 7/7) \\
&:= (8 - 88)/8 + ((8 + 8 + 8) \times 888/8) \\
&:= 99 \times (9 + 9 + 9) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2655 &:= (1 + 1) \times (1 + 1 + 11^{1+1+1}) - 11 \\
&:= 2 + ((22/2 \times (22^2 - 2)/2) + 2) \\
&:= 3 \times ((33 \times 3^3) - (3 + 3)) \\
&:= (44/4 + 4) \times (4 \times 44 + 4/4) \\
&:= 5 + (5 \times (555 - 5 \times 5)) \\
&:= (66 \times (6 \times 6 + 6)) - (666/6 + 6) \\
&:= (7 - ((7 + 7)/7)) \times (7 \times 77 - (7/7 + 7)) \\
&:= (8 - 8/8 + 8) \times ((88 + 88) + 8/8) \\
&:= 99 \times (9 + 9 + 9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2656 &:= (1 + 1) \times (11^{1+1+1} - 1 - 1 - 1) \\
&:= 2 \times (2 \times (((2/2 + 2) \times 222) - 2)) \\
&:= (3 - 3/3) \times ((33/3)^3 - 3) \\
&:= 4 \times ((44 \times (44/4 + 4)) + 4) \\
&:= 5 + ((5 \times (555 - 5 \times 5)) + 5/5) \\
&:= ((6 + 6)/6)^6 + (6 \times (6 \times (66 + 6))) \\
&:= (7/7 + 7) \times (7 \times 7 \times 7 - (77/7)) \\
&:= ((8 + 8 + 8) \times 888/8) - 8 \\
&:= 9/9 + (99 \times (9 + 9 + 9) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2657 &:= (1 + 1) \times (11^{1+1+1} - 1 - 1) - 1 \\
&:= (22 \times (22/2)^2) - (2/2 + 2 + 2) \\
&:= (((3 + 3) \times ((33/3)^3 - 3)) + 3)/3 \\
&:= 4^4 + (((4 - 4/4) + 4)^4) \\
&:= 5 + ((5 \times (555 - 5 \times 5)) + ((5 + 5)/5)) \\
&:= 66 + ((6 \times (6 \times (66 + 6))) - 6/6) \\
&:= 77/7 + (7 \times (7 \times (7 \times 7 + 7) - (7 + 7))) \\
&:= 8/8 + (((8 + 8 + 8) \times 888/8) - 8) \\
&:= (9 + 9)/9 + (99 \times (9 + 9 + 9) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2658 &:= (1 + 1) \times (11^{1+1+1} - 1 - 1) \\
&:= 2 \times ((22/2)^{2/2+2} - 2) \\
&:= 3 + (3 \times ((33 \times 3^3) - (3 + 3))) \\
&:= 4/4 + (((4 - 4/4) + 4)^4) + 4^4 \\
&:= 5 \times 555 - ((555 + 5)/5 + 5) \\
&:= 66 + (6 \times (6 \times (66 + 6))) \\
&:= (7 - 7/7) \times (7 \times (7 \times 7 + 7 + 7) + ((7 + 7)/7)) \\
&:= (88/8 - 8) \times (888 - ((8 + 8)/8)) \\
&:= 9 + (((9 + 9 + 9)/9) \times ((9 \times 99 - 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2659 &:= (1 + 1) \times (11^{1+1+1} - 1) - 1 \\
&:= (22 \times (22/2)^2) - 2/2 - 2 \\
&:= ((3 - 3/3) \times (33/3)^3) - 3 \\
&:= 4 + ((44/4 + 4) \times (4 \times 44 + 4/4)) \\
&:= 5 \times 555 - (555/5 + 5) \\
&:= 66 + ((6 \times (6 \times (66 + 6))) + 6/6) \\
&:= 7 \times 7 \times (7 \times 7 + 7) - (7/7 + 77 + 7) \\
&:= ((88/8 - 8) \times (888 + 8/8)) - 8 \\
&:= 9 + (9999/9 + (9 \times (9 \times (9 + 9) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2660 &:= (1 + 1) \times (11^{1+1+1} - 1) \\
&:= (22 \times (22/2)^2) - 2 \\
&:= (3 - 3/3) \times ((33/3)^3 - 3/3) \\
&:= 4 \times (((4/4 + 4)^4 - 4) + 44) \\
&:= 5 + ((5 \times (555 - 5 \times 5)) + 5) \\
&:= (6 - ((6 + 6)/6)) \times (666 - 6/6) \\
&:= (77 - 7) \times (7 \times 7 - 77/7) \\
&:= (8 - 8/8) \times ((8 \times (88 + 8) - 8)/(8 + 8)/8) \\
&:= 99 \times (9 + 9 + 9) - ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2661 &:= (1 + 1) \times 11^{1+1+1} - 1 \\
&:= (22 \times (22/2)^2) - 2/2 \\
&:= (3 \times ((33 \times 3^3) - 3)) - 3 \\
&:= 4 + (((4 - 4/4) + 4)^4) + 4^4 \\
&:= 55/5 + (5 \times (555 - 5 \times 5)) \\
&:= (66 \times (6 \times 6 + 6)) - 666/6 \\
&:= 7/7 + ((77 - 7) \times (7 \times 7 - 77/7)) \\
&:= (88/8 - 8) \times (888 - 8/8) \\
&:= 99 \times (9 + 9 + 9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2662 &:= (1 + 1) \times 11^{1+1+1} \\
&:= 22 \times (22/2)^2 \\
&:= (3 - 3/3) \times (33/3)^3 \\
&:= (4 + 4)/4 \times ((44/4)^{4-4/4}) \\
&:= (5 + 5)/5 \times ((55/5)^{5-(5+5)/5}) \\
&:= ((6 + 6) \times (6 \times 6 \times 6 + 6)) - (6 + 6)/6 \\
&:= 7 \times 7 \times 77 - 7777/7 \\
&:= ((8 + 8)/8) \times ((88/8)^{88/8-8}) \\
&:= 99 \times (9 + 9 + 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2663 &:= 1 + ((1 + 1) \times 11^{1+1+1}) \\
&:= 2/2 + (22 \times (22/2)^2) \\
&:= ((33/3 + 3)^3) - 3 \times 3^3 \\
&:= (444 \times ((4 + 4)/4 + 4)) - 4/4 \\
&:= 5 \times 555 - (555 + 5)/5 \\
&:= ((6 + 6) \times (6 \times 6 \times 6 + 6)) - 6/6 \\
&:= 7 + ((7/7 + 7) \times (7 \times 7 \times 7 - (77/7))) \\
&:= ((8 + 8 + 8) \times 888/8) - 8/8 \\
&:= 99 \times (9 + 9 + 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2664 &:= (1 + 1) \times (1 + 11^{1+1+1}) \\
&:= 2 + (22 \times (22/2)^2) \\
&:= 3 \times ((33 \times 3^3) - 3) \\
&:= 444 \times ((4 + 4)/4 + 4) \\
&:= (5 \times 5 - 5/5) \times 555/5 \\
&:= (6 + 6) \times (6 \times 6 \times 6 + 6) \\
&:= (7/7 + 7) \times (((7 - 77)/7) + 7 \times 7 \times 7) \\
&:= (8 + 8 + 8) \times 888/8 \\
&:= 99 \times (9 + 9 + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2665 &:= 1 + (1 + 1) \times (1 + 11^{1+1+1}) \\
&:= ((222 \times (22 + 2)) + 2)/2 \\
&:= 3 + ((3 - 3/3) \times (33/3)^3) \\
&:= 4 + (((4 - 4/4) + 4)^4) + 4^4 + 4 \\
&:= 5 \times 555 - (55 + 55) \\
&:= 6/6 + ((6 + 6) \times (6 \times 6 \times 6 + 6)) \\
&:= (7 - ((7 + 7)/7)) \times ((7 \times 77 - 7) + 7/7) \\
&:= 8/8 + ((8 + 8 + 8) \times 888/8) \\
&:= 9/9 + (99 \times (9 + 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2666 &:= (1 + 1) \times (1 + 1 + 11^{1+1+1}) \\
&:= 2 + ((22 \times (22/2)^2) + 2) \\
&:= 3 + (((33/3 + 3)^3) - 3 \times 3^3) \\
&:= (44 - 4/4) \times (4^4 - 4 - 4)/4 \\
&:= 5 + ((5 \times (555 - 5 \times 5)) + (55/5)) \\
&:= (6 + 6)/6 + ((6 + 6) \times (6 \times 6 \times 6 + 6)) \\
&:= 7 \times 7 \times (7 \times 7 + 7) - 7/7 - 77 \\
&:= (8 + 8)/8 + ((8 + 8 + 8) \times 888/8) \\
&:= (9 + 9)/9 + (99 \times (9 + 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2667 &:= 1 + (1 + 1) \times (1 + 1 + 11^{1+1+1}) \\
&:= 2 + (((222 \times (22 + 2)) + 2)/2) \\
&:= 3 + (3 \times ((33 \times 3^3) - 3)) \\
&:= 4 + ((444 \times ((4 + 4)/4 + 4)) - 4/4) \\
&:= 5 + ((5 \times (555 - 5 \times 5)) + ((55 + 5)/5)) \\
&:= 6 + ((66 \times (6 \times 6 + 6)) - 666/6) \\
&:= 7 \times 7 \times (7 \times 7 + 7) - 77 \\
&:= (88/8 - 8) \times (888 + 8/8) \\
&:= ((9 + 9 + 9)/9) + (99 \times (9 + 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2668 &:= (1+1) \times (1+1+1+11^{1+1+1}) \\
&:= 2 \times (((2+2+2) \times 222) + 2) \\
&:= (3-3/3) \times ((33/3)^3 + 3) \\
&:= 4 + (444 \times ((4+4)/4 + 4)) \\
&:= (55/5 \times ((5-(5+5)/5)^5)) - 5 \\
&:= (6 - ((6+6)/6)) \times (666 + 6/6) \\
&:= 7/7 + (7 \times 7 \times (7 \times 7 + 7) - 77) \\
&:= 8/8 + ((88/8 - 8) \times (888 + 8/8)) \\
&:= ((9-99)/(9+9)) + 99 \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2669 &:= 1 + (1+1) \times (1+1+1+11^{1+1+1}) \\
&:= 2 + (((222 \times (22+2)) + 2)/2) + 2) \\
&:= (3 \times (33 \times 3^3)) - (3/3 + 3) \\
&:= (4/4 + 4)^4 + (4^4 \times (4+4) - 4) \\
&:= 5 + ((5 \times 5 - 5/5) \times 555/5) \\
&:= 6 + (((6+6) \times (6 \times 6 \times 6 + 6)) - 6/6) \\
&:= 7 + (7 \times 7 \times 77 - 7777/7) \\
&:= 8 + ((88/8 - 8) \times (888 - 8/8)) \\
&:= ((9-9 \times 9)/(9+9)) + 99 \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2670 &:= 11 + (((1+1) \times (11^{1+1+1} - 1)) - 1) \\
&:= 2 + (2 \times (((2+2+2) \times 222) + 2)) \\
&:= (3 \times (33 \times 3^3)) - 3 \\
&:= ((4+4)/4 + 4) \times (444 + 4/4) \\
&:= (5 \times (555 - 5 - 5)) - 55 \\
&:= 6 + ((6+6) \times (6 \times 6 \times 6 + 6)) \\
&:= 7 \times (77 - 7) + (((7+7+7)/7)^7 - 7) \\
&:= (88/8 - 8) \times (888 + ((8+8)/8)) \\
&:= ((9+9+9)/9) \times (9 \times 99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2671 &:= 11 + ((1+1) \times (11^{1+1+1} - 1)) \\
&:= (22/2 \times (22^2 + 2)/2) - 2 \\
&:= 3/3 + ((3 \times (33 \times 3^3)) - 3) \\
&:= (4^4 \times (44 - 4) + 444)/4 \\
&:= 5/5 + ((5 \times (555 - 5 - 5)) - 55) \\
&:= 6 + (((6+6) \times (6 \times 6 \times 6 + 6)) + 6/6) \\
&:= 7 + ((7/7 + 7) \times (((7-77)/7) + 7 \times 7 \times 7)) \\
&:= 8 + (((8+8+8) \times 888/8) - 8/8) \\
&:= 99 \times (9+9+9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2672 &:= 11 + (((1+1) \times 11^{1+1+1}) - 1) \\
&:= 2 \times (((2+2+2) \times 222) + 2) + 2) \\
&:= (3 \times (33 \times 3^3)) - 3/3 \\
&:= 4 \times ((4 \times (4 \times 44 - (4+4))) - 4) \\
&:= (5^5 - 5)/5 + (((5+5)/5)^{55/5}) \\
&:= 6 + (((6+6) \times (6 \times 6 \times 6 + 6)) + ((6+6)/6)) \\
&:= (7/7 + 7) \times (7 \times 7 \times 7 - ((7+7)/7 + 7)) \\
&:= 8 + ((8+8+8) \times 888/8) \\
&:= 99 \times (9+9+9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2673 &:= 11 + ((1+1) \times 11^{1+1+1}) \\
&:= 22/2 \times (22^2 + 2)/2 \\
&:= 3 \times (33 \times 3^3) \\
&:= (4/4 + 4)^4 + 4^4 \times (4+4) \\
&:= 55/5 \times ((5 - (5+5)/5)^5) \\
&:= 66/6 \times ((6 \times 6/(6+6))^{6-6/6}) \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7) - (7/7 + 77)) \\
&:= 8 + (((8+8+8) \times 888/8) + 8/8) \\
&:= 99 \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2674 &:= 1 + (11 + ((1+1) \times 11^{1+1+1})) \\
&:= (2+2+2) \times (2 \times 222 + 2) - 2 \\
&:= 3/3 + (3 \times (33 \times 3^3)) \\
&:= 4 + (((4+4)/4 + 4) \times (444 + 4/4)) \\
&:= (5 - 5/5)^5 + (55 \times (5 \times 5 + 5)) \\
&:= 6 + ((6 - ((6+6)/6)) \times (666 + 6/6)) \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7) - 77) \\
&:= 8 + (((8+8+8) \times 888/8) + ((8+8)/8)) \\
&:= 9/9 + 99 \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2675 &:= 11 + (1+1) \times (1+11^{1+1+1}) \\
&:= 2 + (22/2 \times (22^2 + 2)/2) \\
&:= 3 + ((3 \times (33 \times 3^3)) - 3/3) \\
&:= (4 \times ((4/4 + 4)^4 + 44)) - 4/4 \\
&:= 5 \times ((555 - 5 \times 5) + 5) \\
&:= 66/6 + ((6+6) \times (6 \times 6 \times 6 + 6)) \\
&:= 7 + ((7 \times 7 \times (7 \times 7 + 7) - 77) + 7/7) \\
&:= 8 + ((88/8 - 8) \times (888 + 8/8)) \\
&:= (9+9)/9 + 99 \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2676 &:= (1+11) \times (1 + (1+1) \times 111) \\
&:= (2+2+2) \times (2 \times 222 + 2) \\
&:= 3 + (3 \times (33 \times 3^3)) \\
&:= 4 \times ((4/4 + 4)^4 + 44) \\
&:= 5/5 + (5 \times ((555 - 5 \times 5) + 5)) \\
&:= 6 + (((6+6) \times (6 \times 6 \times 6 + 6)) + 6) \\
&:= 7 + ((7 \times 7 \times 77 - 7777/7) + 7) \\
&:= ((88+8)/8) + ((8+8+8) \times 888/8) \\
&:= ((9+9+9)/9) + 99 \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2677 &:= 1 + ((1+11) \times (1 + (1+1) \times 111)) \\
&:= 2 + ((22/2 \times (22^2 + 2)/2) + 2) \\
&:= 3 + ((3 \times (33 \times 3^3)) + 3/3) \\
&:= 4 + ((4/4 + 4)^4 + 4^4 \times (4+4)) \\
&:= 5^5 + ((5/5 - 5) \times (555 + 5)/5) \\
&:= 6 + (((6+6) \times (6 \times 6 \times 6 + 6)) + 6/6) + 6) \\
&:= 7 \times (77 - 7) + ((7+7+7)/7)^7 \\
&:= ((8+8) \times (88 - 8 + 88)) - 88/8 \\
&:= 99 \times (9+9+9) + ((9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2678 &:= 1 + (1 + ((1+11) \times (1 + (1+1) \times 111))) \\
&:= 2 + (2+2+2) \times (2 \times 222 + 2) \\
&:= 3 + (((3 \times (33 \times 3^3)) - 3/3) + 3) \\
&:= (4+4)/4 + (4 \times ((4/4 + 4)^4 + 44)) \\
&:= 5 + (55/5 \times ((5 - (5+5)/5)^5)) \\
&:= 6 + (((6+6) \times (6 \times 6 \times 6 + 6)) + ((6+6)/6)) + 6) \\
&:= 77 + (((7+7)/7 + 7 \times 7)^{(7+7)/7}) \\
&:= 8 + ((88/8 - 8) \times (888 + ((8+8)/8))) \\
&:= 99 \times (9+9+9) + ((9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2679 &:= 1 + (1 + (1 + ((1+11) \times (1 + (1+1) \times 111)))) \\
&:= 2 + (((22/2 \times (22^2 + 2)/2) + 2) + 2) \\
&:= 3 + ((3 \times (33 \times 3^3)) + 3) \\
&:= 4 + ((4 \times ((4/4 + 4)^4 + 44)) - 4/4) \\
&:= 5 + ((55 \times (5 \times 5 + 5)) + (5 - 5/5)^5) \\
&:= 6 + ((66/6) \times ((6 \times 6/(6+6))^{6-6/6})) \\
&:= (7 \times 7 - (7+7)/7) \times (7/7 + 7 \times 7 + 7) \\
&:= ((8+8) \times (88 - 8 + 88)) - (8/8 + 8) \\
&:= 9 + (((9+9+9)/9) \times (9 \times 99 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2680 &:= (1+1) \times (11 + 11^{1+1+1} - 1 - 1) \\
&:= 2 \times ((2+2+2)^{2+2} + 2 \times 22) \\
&:= 3 + (((3 \times (33 \times 3^3)) + 3/3) + 3) \\
&:= 4 + (4 \times ((4/4 + 4)^4 + 44)) \\
&:= 5 + (5 \times ((555 - 5 \times 5) + 5)) \\
&:= (66 + 6/6) \times ((6 \times 6 - ((6+6)/6)) + 6) \\
&:= (7/7 + 7) \times (7 \times 7 \times 7 - (7/7 + 7)) \\
&:= ((8+8) \times (88 - 8 + 88)) - 8 \\
&:= 9 + (99 \times (9+9+9) - (9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2681 &:= ((1+1) \times (11 + (11^{1+1+1} - 1))) - 1 \\
&:= 22^2 + ((22/2 + 2)^{2/2+2}) \\
&:= (3 \times ((33 \times 3^3) + 3)) - 3/3 \\
&:= ((4/4 + 4)^{4+4/4}) - 444 \\
&:= 5^5 + ((5/5 - 5) \times 555/5) \\
&:= 6 + (((6+6) \times (6 \times 6 \times 6 + 6)) + (66/6)) \\
&:= (7 \times (7 \times (7 \times 7 + 7) - 7)) - (7+7) \\
&:= 8/8 + (((8+8) \times (88 - 8 + 88)) - 8) \\
&:= 9 + (99 \times (9+9+9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2682 &:= (1+1) \times (11 + (11^{1+1+1} - 1)) \\
&:= (2 \times (22 + 2 + 2))^2 - 22 \\
&:= 3 \times ((33 \times 3^3) + 3) \\
&:= ((4+4)/4 + 4) \times ((444 - 4/4) + 4) \\
&:= 5^5 + ((555 + 5)/5 - 555) \\
&:= ((6 \times 6 + 6) \times ((6+6)/6)^6) - 6 \\
&:= 7/7 + ((7 \times (7 \times (7 \times 7 + 7) - 7)) - (7+7)) \\
&:= (8 - (8+8)/8) \times (8 \times (8 \times 8 - 8) - 8/8) \\
&:= 9 + 99 \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2683 &:= ((1+1) \times (11+11^{1+1+1})) - 1 \\
&:= (22 \times (22^2/2 + 2) - 2)/2 \\
&:= 3/3 + (3 \times ((33 \times 3^3) + 3)) \\
&:= (44 \times ((4^4 + 4)/4 - 4)) - 4/4 \\
&:= 5 + ((55/5 \times ((5 - (5+5)/5)^5)) + 5) \\
&:= 6/6 + (((6 \times 6 + 6) \times ((6+6)/6)^6) - 6) \\
&:= (7 \times (7 \times (7 \times 7 + 7) - 7)) - (77+7)/7 \\
&:= 8 + (((88/8 - 8) \times (888 + 8/8)) + 8) \\
&:= 9 + (99 \times (9 + 9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2684 &:= (1+1) \times (11+11^{1+1+1}) \\
&:= 22 + (22 \times (22/2)^2) \\
&:= 33/3 + (3 \times (33 \times 3^3)) \\
&:= 44 \times ((4^4 + 4)/4 - 4) \\
&:= 5^5 - (((55/5 + 5) + 5)^{(5+5)/5}) \\
&:= (6 - ((6+6)/6)) \times ((666 - 6/6) + 6) \\
&:= (7 \times (7 \times (7 \times 7 + 7) - 7)) - 77/7 \\
&:= (((8 \times 8 - 8) \times (88 + 8)) - 8)/(8+8)/8 \\
&:= 99/9 + 99 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2685 &:= 1 + ((1+1) \times (11+11^{1+1+1})) \\
&:= ((22 \times (22^2/2 + 2)) + 2)/2 \\
&:= 3 + (3 \times ((33 \times 3^3) + 3)) \\
&:= 4/4 + (44 \times ((4^4 + 4)/4 - 4)) \\
&:= 5 + ((5 \times ((555 - 5 \times 5) + 5)) + 5) \\
&:= ((6 \times 6 + 6) \times ((6+6)/6)^6) - 6 \times 6/(6+6) \\
&:= ((7 - 77)/7) + (7 \times (7 \times (7 \times 7 + 7) - 7)) \\
&:= (88/8 - 8) \times (888 - 8/8 + 8) \\
&:= ((99+9)/9) + 99 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2686 &:= (1+1) \times (1 + (11+11^{1+1+1})) \\
&:= 2 + ((22 \times (22/2)^2) + 22) \\
&:= 3 + ((3 \times ((33 \times 3^3) + 3)) + 3/3) \\
&:= (4+4)/4 + (44 \times ((4^4 + 4)/4 - 4)) \\
&:= 5 + (((5/5 - 5) \times 555/5) + 5^5) \\
&:= ((6 \times 6 + 6) \times ((6+6)/6)^6) - (6+6)/6 \\
&:= (7 \times (7 \times (7 \times 7 + 7) - 7)) - ((7+7)/7 + 7) \\
&:= ((8+8) \times (88 - 8 + 88)) - (8+8)/8 \\
&:= 99 \times (9 + 9 + 9) + ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2687 &:= ((1+1) \times ((1+11) \times (1+111))) - 1 \\
&:= (((22+2) \times (222+2)) - 2)/2 \\
&:= 3 + ((3 \times (33 \times 3^3)) + 33/3) \\
&:= (4 \times (4 \times (4 \times 44 - (4+4)))) - 4/4 \\
&:= 5^5 - ((5^5 + 5)/(5+5) + 5 \times 5 \times 5) \\
&:= ((6 \times 6 + 6) \times ((6+6)/6)^6) - 6/6 \\
&:= (7 \times (7 \times (7 \times 7 + 7) - 7)) - (7/7 + 7) \\
&:= ((8+8) \times (88 - 8 + 88)) - 8/8 \\
&:= 9 + (99 \times (9 + 9 + 9) + ((9 \times 9 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2688 &:= (1+1) \times ((1+11) \times (1+111)) \\
&:= 2 \times ((2+2+2) \times (222+2)) \\
&:= 3 + ((3 \times ((33 \times 3^3) + 3)) + 3) \\
&:= 4 \times (4 \times (4 \times 44 - (4+4))) \\
&:= (5 \times 5 - 5/5) \times (555+5)/5 \\
&:= (6 \times 6 + 6) \times ((6+6)/6)^6 \\
&:= (7/7 + 7) \times (7 \times 7 \times 7 - 7) \\
&:= (8+8) \times (88 - 8 + 88) \\
&:= 9 + (((9+9+9)/9) \times (9 \times 99 - 9/9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2689 &:= 1 + ((1+1) \times ((1+11) \times (1+111))) \\
&:= (((22+2) \times (222+2)) + 2)/2 \\
&:= 3^3 + ((3 - 3/3) \times (33/3)^3) \\
&:= 4/4 + (4 \times (4 \times (4 \times 44 - (4+4)))) \\
&:= (5 \times (555+5)) - 555/5 \\
&:= 6/6 + ((6 \times 6 + 6) \times ((6+6)/6)^6) \\
&:= 7/7 + ((7/7 + 7) \times (7 \times 7 \times 7 - 7)) \\
&:= 8/8 + ((8+8) \times (88 - 8 + 88)) \\
&:= 9 + ((99 \times (9 + 9 + 9) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2690 &:= (1+1) \times (1 + ((1+11) \times (1+111))) \\
&:= 2 + (2 \times ((2+2+2) \times (222+2))) \\
&:= ((33/3 + 3)^3) - (3^3 + 3^3) \\
&:= (4+4)/4 + (4 \times (4 \times (4 \times 44 - (4+4)))) \\
&:= (5+5) \times (5 \times 55 - (5/5 + 5)) \\
&:= (6+6)/6 + ((6 \times 6 + 6) \times ((6+6)/6)^6) \\
&:= (7 - ((7+7)/7)) \times (7 \times 77 - 7/7) \\
&:= (8+8)/8 + ((8+8) \times (88 - 8 + 88)) \\
&:= 9 + ((99 \times (9 + 9 + 9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2691 &:= 1 + ((1+1) \times (1 + ((1+11) \times (1+111)))) \\
&:= 2 + (((22+2) \times (222+2)) + 2)/2 \\
&:= 3 \times (((33 \times 3^3) + 3) + 3) \\
&:= (44/4 \times (4^4 - 44/4)) - 4 \\
&:= 5/5 + ((5+5) \times (5 \times 55 - (5/5 + 5))) \\
&:= ((66/6 + 6) + 6) \times (666/6 + 6) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 + 7) - 7)) - (77/7)) \\
&:= (88/8 - 8) \times (888 + 8/8 + 8) \\
&:= 9 + (99 \times (9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2692 &:= (1+1) \times (1 + (1 + ((1+11) \times (1+111)))) \\
&:= 2 \times (((2+2+2) \times (222+2)) + 2) \\
&:= 3/3 + (3 \times ((33 \times 3^3) + 3) + 3) \\
&:= 4 + (4 \times (4 \times (4 \times 44 - (4+4)))) \\
&:= 5 + (5^5 - ((5^5 + 5)/(5+5) + 5 \times 5 \times 5)) \\
&:= ((6+6)/6)^6 + (6 \times ((6 \times (66+6)) + 6)) \\
&:= (7 \times (7 \times (7 \times 7 + 7) - 7)) - (7+7+7)/7 \\
&:= (((8 \times 8 - 8) \times (88 + 8)) + 8)/(8+8)/8 \\
&:= 9 + ((99 \times (9 + 9 + 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2693 &:= 1 + ((1+1) \times (1 + (1 + ((1+11) \times (1+111)))))) \\
&:= (2 \times (22+2+2))^2 - 22/2 \\
&:= 33/3 + (3 \times ((33 \times 3^3) + 3)) \\
&:= 4 + ((4 \times (4 \times (4 \times 44 - (4+4)))) + 4/4) \\
&:= 5 + ((5 \times 5 - 5/5) \times (555+5)/5) \\
&:= 6 + (((6 \times 6 + 6) \times ((6+6)/6)^6) - 6/6) \\
&:= (7 \times (7 \times (7 \times 7 + 7) - 7)) - (7+7)/7 \\
&:= 8 + ((88/8 - 8) \times (888 - 8/8 + 8)) \\
&:= 9 + (99 \times (9 + 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2694 &:= (11 \times (1 + ((1+1) \times (1+11^{1+1})))) - 1 \\
&:= (2 \times (2 \times (((22+2+2)^2) - 2))) - 2 \\
&:= 3 + (3 \times ((33 \times 3^3) + 3) + 3) \\
&:= ((44 \times (4^4 - 44/4)) - 4)/4 \\
&:= (5 \times (5+5) \times 55) - (55+5/5) \\
&:= 6 + ((6 \times 6 + 6) \times ((6+6)/6)^6) \\
&:= (7 \times (7 \times (7 \times 7 + 7) - 7)) - 7/7 \\
&:= (8 - (8+8)/8) \times (8 \times (8 \times 8 - 8) + 8/8) \\
&:= 9 + (99 \times (9 + 9 + 9) + ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2695 &:= 11 \times (1 + ((1+1) \times (1+11^{1+1}))) \\
&:= 22/2 \times ((22^2 + 2)/2 + 2) \\
&:= 33 + ((3 - 3/3) \times (33/3)^3) \\
&:= 44/4 \times (4^4 - 44/4) \\
&:= 55 \times (55 - (5/5 + 5)) \\
&:= (6/6 + 6) \times (6 \times 66 - (66/6)) \\
&:= 7 \times (7 \times (7 \times 7 + 7) - 7) \\
&:= 8 + (((8+8) \times (88 - 8 + 88)) - 8/8) \\
&:= 99/9 \times (9 \times (9 + 9 + 9) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2696 &:= 1 + (11 \times (1 + ((1+1) \times (1+11^{1+1})))) \\
&:= 2 \times (2 \times (((22+2+2)^2) - 2)) \\
&:= 3 + ((3 \times ((33 \times 3^3) + 3)) + 33/3) \\
&:= (4+4) \times ((4 - 4/4)^4 + 4^4) \\
&:= 5/5 + (55 \times (55 - (5/5 + 5))) \\
&:= 6 + (((6 \times 6 + 6) \times ((6+6)/6)^6) + ((6+6)/6)) \\
&:= 7/7 + (7 \times (7 \times (7 \times 7 + 7) - 7)) \\
&:= 8 + ((8+8) \times (88 - 8 + 88)) \\
&:= 9 \times (9 \times 9 - 9) + (((9+9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2697 &:= 1 + (1 + (11 \times (1 + ((1+1) \times (1+11^{1+1})))))) \\
&:= 2 + (22/2 \times ((22^2 + 2)/2 + 2)) \\
&:= 3^3 + ((3 \times (33 \times 3^3)) - 3) \\
&:= 44 + (((4 - 4/4) + 4)^4 - 4) + 4^4 \\
&:= (5+5)/5 + (55 \times (55 - (5/5 + 5))) \\
&:= 666/6 + ((6 \times (6 \times (66+6))) - 6) \\
&:= (7+7)/7 + (7 \times (7 \times (7 \times 7 + 7) - 7)) \\
&:= 8 + (((8+8) \times (88 - 8 + 88)) + 8/8) \\
&:= ((9+9+9)/9) \times ((9 \times 99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2698 &:= 11 + (((1+1) \times ((1+11) \times (1+111))) - 1) \\
&:= 2 + (2 \times (2 \times ((22+2+2)^2) - 2)) \\
&:= 3 + (((3-3/3) \times (33/3)^3) + 33) \\
&:= 4 + (((44 \times (4^4 - 44/4)) - 4)/4) \\
&:= ((5+5) \times (5 \times 55 - 5)) - (5+5)/5 \\
&:= ((6+6)/6 + 6 \times 6) \times ((66 - 6/6) + 6) \\
&:= (7+7+7)/7 + (7 \times (7 \times (7 \times 7 + 7) - 7)) \\
&:= 8 + (((8+8) \times (88 - 8 + 88)) + ((8+8)/8)) \\
&:= ((9+9+9) \times (9/9+99)) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2699 &:= 11 + ((1+1) \times ((1+11) \times (1+111))) \\
&:= (2 \times (22+2+2))^2 - (2/2+2+2) \\
&:= 3^3 + ((3 \times (33 \times 3^3)) - 3/3) \\
&:= 4 + (44/4 \times (4^4 - 44/4)) \\
&:= ((5+5) \times (5 \times 55 - 5)) - 5/5 \\
&:= (6 \times (666 - 6 \times 6 \times 6)) - 6/6 \\
&:= 77/7 + ((7/7+7) \times (7 \times 7 \times 7 - 7)) \\
&:= 8 \times 8 \times 8 + ((88/8 - 8)^{8-8/8}) \\
&:= (((9+9)/9)^9) + 9 \times 9 \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2700 &:= (1+11) \times (1 + ((1+1) \times (1+111))) \\
&:= 2 \times (2 \times ((22+2+2)^2)) - 2 \\
&:= 3 \times ((33 \times 3^3) + 3 \times 3) \\
&:= (4/4 + 4 + 4) \times (44 + 4^4) \\
&:= (5+5) \times (5 \times 55 - 5) \\
&:= 6 \times (666 - 6 \times 6 \times 6) \\
&:= (7 - ((7+7)/7)) \times (7 \times 77 + 7/7) \\
&:= 8 + (((8 \times 8 - 8) \times (88 + 8)) + 8)/((8+8)/8) \\
&:= (9+9+9) \times (9/9+99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2701 &:= 1 + ((1+11) \times (1 + ((1+1) \times (1+111)))) \\
&:= (2 \times (22+2+2))^2 - 2/2 - 2 \\
&:= 3^3 + ((3 \times (33 \times 3^3)) + 3/3) \\
&:= 44 + (((4-4/4) + 4)^4) + 4^4 \\
&:= 5/5 + ((5+5) \times (5 \times 55 - 5)) \\
&:= 6/6 + (6 \times (666 - 6 \times 6 \times 6)) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 + 7) - 7)) - 7/7) \\
&:= ((8/8 + 8 \times 8) + 8) \times 888/(8+8+8) \\
&:= 9/9 + ((9+9+9) \times (9/9+99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2702 &:= 1 + (1 + ((1+11) \times (1 + ((1+1) \times (1+111)))))) \\
&:= (2 \times (22+2+2))^2 - 2 \\
&:= ((33/3+3)^3) - (3 \times 3+33) \\
&:= ((44+4+4)^{(4+4)/4}) - (4+4)/4 \\
&:= (5+5)/5 + ((5+5) \times (5 \times 55 - 5)) \\
&:= (6+6)/6 + (6 \times (666 - 6 \times 6 \times 6)) \\
&:= 7 + (7 \times (7 \times (7 \times 7 + 7) - 7)) \\
&:= 8 + ((8 - (8+8)/8) \times (8 \times (8 \times 8 - 8) + 8/8)) \\
&:= 9 + ((99 \times (9+9+9) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2703 &:= (((1+1) \times ((1+1) \times (1+1+11)))^{1+1}) - 1 \\
&:= (2 \times (22+2+2))^2 - 2/2 \\
&:= 3 + ((3 \times (33 \times 3^3)) + 3^3) \\
&:= ((44+4+4)^{(4+4)/4}) - 4/4 \\
&:= 5 + (((5+5) \times (5 \times 55 - 5)) - ((5+5)/5)) \\
&:= 666/6 + (6 \times (6 \times (66+6))) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 + 7) - 7)) + 7/7) \\
&:= 8 + (((8+8) \times (88 - 8 + 88)) - 8/8) + 8 \\
&:= ((9+9+9)/9) \times ((9 \times 99 + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2704 &:= ((1+1) \times ((1+1) \times (1+1+11)))^{1+1} \\
&:= (2 \times (22+2+2))^2 \\
&:= 3 + (((3 \times (33 \times 3^3)) + 3^3) + 3/3) \\
&:= (44+4+4)^{(4+4)/4} \\
&:= 5 + (((5+5) \times (5 \times 55 - 5)) - 5/5) \\
&:= (((6+6)/6)^6 - (6+6)^{(6+6)/6}) \\
&:= (((7+7+7)/7) + 7 \times 7)^{(7+7)/7} \\
&:= 8 + (((8+8) \times (88 - 8 + 88)) + 8) \\
&:= (9 \times 9 - (99/9 + 9 + 9))^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2705 &:= 1 + (((1+1) \times ((1+1) \times (1+1+11)))^{1+1}) \\
&:= 2/2 + (2 \times (22+2+2))^2 \\
&:= 33 + ((3 \times (33 \times 3^3)) - 3/3) \\
&:= 4/4 + ((44+4+4)^{(4+4)/4}) \\
&:= 5 + ((5+5) \times (5 \times 55 - 5)) \\
&:= (66 \times (6 \times 6 + 6)) - (66+6/6) \\
&:= ((77-7)/7) + (7 \times (7 \times (7 \times 7 + 7) - 7)) \\
&:= (88 \times ((8+8+8) + 8)) - 888/8 \\
&:= 9 + (((9+9)/9)^{99/9}) + 9 \times (9 \times 9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2706 &:= (1+1) \times (11 \times (1 + (1+11^{1+1}))) \\
&:= 2 + (2 \times (22+2+2))^2 \\
&:= 33 + (3 \times (33 \times 3^3)) \\
&:= 44/4 \times ((4-44)/4 + 4^4) \\
&:= 5 + (((5+5) \times (5 \times 55 - 5)) + 5/5) \\
&:= 66 \times (6 \times 6 - 6/6 + 6) \\
&:= 77/7 + (7 \times (7 \times (7 \times 7 + 7) - 7)) \\
&:= 88/8 \times ((8-88)/8 + (8+8) \times (8+8)) \\
&:= ((9+9+9)/9) \times ((99/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2707 &:= 1 + ((1+1) \times (11 \times (1 + (1+11^{1+1})))) \\
&:= 2 + ((2 \times (22+2+2))^2 + 2/2) \\
&:= 3/3 + ((3 \times (33 \times 3^3)) + 33) \\
&:= (44 \times (4^4 - 4) - (4^4 + 4))/4 \\
&:= 5 + (((5+5) \times (5 \times 55 - 5)) + ((5+5)/5)) \\
&:= 6/6 + (66 \times (6 \times 6 - 6/6 + 6)) \\
&:= 7 + ((7 - ((7+7)/7)) \times (7 \times 77 + 7/7)) \\
&:= 8 + (((8+8) \times (88 - 8 + 88)) + (88/8)) \\
&:= 9 + (((9+9+9) \times (9/9+99)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2708 &:= (1+1) \times (1 + (11 \times (1 + (1+11^{1+1})))) \\
&:= 2 + ((2 \times (22+2+2))^2 + 2) \\
&:= ((33/3+3)^3) - (33+3) \\
&:= 4 + ((44+4+4)^{(4+4)/4}) \\
&:= 5^5 - ((5^5+5^5+5)/(5+5+5)) \\
&:= (66 \times (6 \times 6 + 6)) - ((6+6)/6)^6 \\
&:= 7 + (((7 \times (7 \times (7 \times 7 + 7) - 7)) - 7/7) + 7) \\
&:= ((8 \times (8 \times 88 - (8+8))) - 88)/((8+8)/8) \\
&:= 9 + (9 \times 9 \times (9+9+9) + (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2709 &:= 1 + ((1+1) \times (1 + (11 \times (1 + (1+11^{1+1})))))) \\
&:= 2 + (((2 \times (22+2+2))^2 + 2/2) + 2) \\
&:= 3 + ((3 \times (33 \times 3^3)) + 33) \\
&:= ((4^4 - 4)/4) \times (44 - 4/4) \\
&:= 5 \times 555 - (55/5 + 55) \\
&:= 6 + ((6 \times (6 \times (66+6))) + 666/6) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 + 7) - 7)) + 7) \\
&:= (88/8 - 8) \times ((888 - 8/8 + 8) + 8) \\
&:= 9 + ((9+9+9) \times (9/9+99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2710 &:= (1+1) \times (11 + ((1+11) \times (1+111))) \\
&:= 2 + (((2 \times (22+2+2))^2 + 2) + 2) \\
&:= ((33/3+3)^3) - 3/3 - 33 \\
&:= (((4^4 - 4) \times (44 - 4/4)) + 4)/4 \\
&:= 5 + (((5+5) \times (5 \times 55 - 5)) + 5) \\
&:= 6 + (((6+6)/6)^6 - (6+6)^{(6+6)/6}) \\
&:= 7 + (((7 \times (7 \times (7 \times 7 + 7) - 7)) + 7/7) + 7) \\
&:= 8 + (((8 - (8+8)/8) \times (8 \times (8 \times 8 - 8) + 8/8)) + 8) \\
&:= 9 + (((9+9+9) \times (9/9+99)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2711 &:= ((1+1) \times ((1+11) \times (1+1+111))) - 1 \\
&:= (2 \times (22-2))^2 + 2222/2 \\
&:= ((33/3+3)^3) - 33 \\
&:= 4 + ((44 \times (4^4 - 4) - (4^4 + 4))/4) \\
&:= 55/5 + ((5+5) \times (5 \times 55 - 5)) \\
&:= 6 + ((66 \times (6 \times 6 + 6)) - (66+6/6)) \\
&:= 7 + (((7+7+7)/7) + 7 \times 7)^{(7+7)/7} \\
&:= 8888/8 + 8 \times (8 \times (8+8+8) + 8) \\
&:= 99/9 + ((9+9+9) \times (9/9+99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2712 &:= (1+1) \times ((1+11) \times (1+1+111)) \\
&:= 2 \times (2 \times ((22+2+2)^2) + 2) \\
&:= 3 + (((3 \times (33 \times 3^3)) + 33) + 3) \\
&:= 4 + (((44+4+4)^{(4+4)/4}) + 4) \\
&:= 55 \times 55 - (5^5+5)/(5+5) \\
&:= 6 + (66 \times (6 \times 6 - 6/6 + 6)) \\
&:= 7 \times 77 + (((7+7+7)/7)^7 - (7+7)) \\
&:= (8+8+8) \times ((888+8+8)/8) \\
&:= 9 + (((9+9+9)/9) \times ((9 \times 99 + 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2713 &:= 1 + ((1+1) \times ((1+11) \times (1+1+111))) \\
&:= 2/2 + (2 \times (2 \times ((22+2+2)^2) + 2)) \\
&:= 3 + (((33/3+3)^3) - (3/3+33)) \\
&:= 4 + (((4^4-4)/4) \times (44-4/4)) \\
&:= 55 \times 55 + ((5-5^5)/(5+5)) \\
&:= 6 + ((66 \times (6 \times 6 - 6/6+6)) + 6/6) \\
&:= 7 + ((7 \times (7 \times (7 \times 7+7) - 7)) + (77/7)) \\
&:= 8 + ((88 \times ((8+8+8) + 8)) - 888/8) \\
&:= 9 + ((9 \times 9 - (99/9+9+9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2714 &:= (1+1) \times (1 + ((1+11) \times (1+1+111))) \\
&:= 2 + (2 \times (2 \times ((22+2+2)^2) + 2)) \\
&:= 3 + (((33/3+3)^3) - 33) \\
&:= 4 + (((4^4-4) \times (44-4/4)) + 4/4) \\
&:= 5 \times 555 - ((55+5/5) + 5) \\
&:= 666 + (((6+6)/6)^{66/6}) \\
&:= ((7 \times 777) - (77/7))/(7+7)/7) \\
&:= ((8-8/8+8) + 8) \times ((888-8)/8+8) \\
&:= 99 \times (9+9+9) + ((9 \times 9 \times 9+9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2715 &:= 1 + ((1+1) \times (1 + ((1+11) \times (1+1+111)))) \\
&:= 22/2 + (2 \times (22+2+2))^2 \\
&:= 33 + (3 \times ((33 \times 3^3) + 3)) \\
&:= 44/4 + ((44+4+4)^{(4+4)/4}) \\
&:= 5 \times 555 - (55+5) \\
&:= 6 + (((6 \times (6 \times (66+6))) + 666/6) + 6) \\
&:= 7 \times (7 \times (7 \times 7+7) + 7) - 7/7 - 77 \\
&:= (88/8-8) \times ((888+8/8+8) + 8) \\
&:= 9 + (((9+9+9)/9) \times ((99/9) + 9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2716 &:= (1+1) \times (1 + (1 + ((1+11) \times (1+1+111)))) \\
&:= 2 \times ((2 \times ((22+2+2)^2) + 2)) + 2 \\
&:= (3-3/3) \times ((33/3)^3 + 3^3) \\
&:= ((44-4) \times (4 \times 4 \times 4+4)) - 4 \\
&:= 5/5 + (5 \times 555 - (55+5)) \\
&:= (6/6+6) \times (6 \times 66 - ((6+6)/6+6)) \\
&:= 7 \times (((7 \times 777) - 7)/(7+7)) \\
&:= (8-8/8) \times ((8 \times (88+8) + 8)/(8+8)/8)) \\
&:= ((9/9+9+9) + 9) \times (99 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2717 &:= 11 \times (1 + ((1+1) \times (1 + (1+11^{1+1})))) \\
&:= 2 + ((2 \times (22+2+2))^2 + 22/2) \\
&:= ((33/3+3)^3) - 3^3 \\
&:= 44/4 \times (4^4 - (4/4+4+4)) \\
&:= 5 + (55 \times 55 - (5^5+5)/(5+5)) \\
&:= 66/6 + (66 \times (6 \times 6 - 6/6+6)) \\
&:= 7/7 + (7 \times (((7 \times 777) - 7)/(7+7))) \\
&:= 88/8 \times ((8+8) \times (8+8) - (8/8+8)) \\
&:= 99/9 \times (((9+9)/9)^{9-9/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2718 &:= 1 + (11 \times (1 + ((1+1) \times (1 + (1+11^{1+1})))))) \\
&:= 2 + (2 \times ((2 \times ((22+2+2)^2) + 2)) + 2) \\
&:= 3 + ((3 \times ((33 \times 3^3) + 3)) + 33) \\
&:= ((44-4) \times (4 \times 4 \times 4+4)) - (4+4)/4 \\
&:= 5 \times 555 - ((5+5)/5+55) \\
&:= 6 + ((66 \times (6 \times 6 - 6/6+6)) + 6) \\
&:= 7 + (((((7+7+7)/7) + 7 \times 7)^{(7+7)/7}) + 7) \\
&:= (((8+8)/8) + 8) \times ((88-8/8) + 8 \times 8) \\
&:= (9+9) \times (9 \times (9+9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2719 &:= 1 + (1 + (11 \times (1 + ((1+1) \times (1 + (1+11^{1+1})))))) \\
&:= 2 + (((2 \times (22+2+2))^2 + 22/2) + 2) \\
&:= 3 + ((3-3/3) \times ((33/3)^3 + 3^3)) \\
&:= ((44-4) \times (4 \times 4 \times 4+4)) - 4/4 \\
&:= 5 \times 555 - (55+5/5) \\
&:= ((6/6+6) \times (6 \times 66 - 6)) - 66/6 \\
&:= 7 \times 77 + (((7+7+7)/7)^7 - 7) \\
&:= (88 \times ((8+8+8) + 8)) - ((8/8+88) + 8) \\
&:= 9/9 + ((9+9) \times (9 \times (9+9) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2720 &:= ((1 + ((1+1)^{1+1+11}))/((1+1+1))) - 11 \\
&:= 2 \times (2 \times (((22+2+2)^2) + 2) + 2) \\
&:= 3 + (((33/3+3)^3) - 3^3) \\
&:= (44-4) \times (4 \times 4 \times 4+4) \\
&:= 5 \times 555 - 55 \\
&:= 6 + (((6+6)/6)^{66/6}) + 666 \\
&:= ((7 \times 777) + 7/7)/(7+7)/7) \\
&:= 8 \times (((8 \times 88 - 8)/(8+8)/8)) - 8 \\
&:= ((9-9/9) + 9) \times (9 \times (9+9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2721 &:= 1 + (((1 + ((1+1)^{1+1+11}))/((1+1+1))) - 11) \\
&:= 2/2 + ((2 \times (22+2+2))^2 + 2^{2+2}) \\
&:= (3^3 \times (3 \times 33+3)) - 33 \\
&:= 4/4 + ((44-4) \times (4 \times 4 \times 4+4)) \\
&:= 5/5 + (5 \times 555 - 55) \\
&:= 6 + (((6 \times (6 \times (66+6))) + 666/6) + 6) + 6 \\
&:= ((7/7+7) \times (7 \times 7 \times 7 - ((7+7)/7))) - 7 \\
&:= ((8 \times 8 - 88/8)^{(8+8)/8}) - 88 \\
&:= ((9/9+9) \times (999/9+9 \times (9+9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2722 &:= (1+1+1+11)^{1+1+1} - 11 - 11 \\
&:= 222 + (2 \times (22+2) + 2)^2 \\
&:= 3/3 + ((3^3 \times (3 \times 33+3)) - 33) \\
&:= (4+4)/4 + ((44-4) \times (4 \times 4 \times 4+4)) \\
&:= (5+5)/5 + (5 \times 555 - 55) \\
&:= 6 + ((6/6+6) \times (6 \times 66 - ((6+6)/6+6))) \\
&:= 7 \times 7 \times (7 \times 7+7) - (7/7+7+7+7) \\
&:= 8 + (((8-8/8+8) + 8) \times ((888-8)/8+8)) \\
&:= 9999/9 + ((9 \times (99+9 \times 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2723 &:= 11 + ((1+1) \times ((1+11) \times (1+1+111))) \\
&:= 22 + ((2 \times (22+2+2))^2 - (2/2+2)) \\
&:= 3 + (((33/3+3)^3) - 3^3) + 3 \\
&:= (((44 \times (4^4-4-4)) - 4)/4) - 4 \\
&:= (5 \times (555-5-5)) - (5+5)/5 \\
&:= (6/6+6) \times (6 \times 66 - (6/6+6)) \\
&:= 7 \times (((7 \times 777) + 7)/(7+7)) \\
&:= 8 + ((88/8-8) \times ((888+8/8+8) + 8)) \\
&:= 99 \times (9+9+9) + ((9 \times 99+9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2724 &:= (1+11) \times (1 + ((1+1) \times (1+1+111))) \\
&:= 2 \times ((22 \times (2^{2+2+2} - 2)) - 2) \\
&:= 3 + ((3^3 \times (3 \times 33+3)) - 33) \\
&:= 4 + ((44-4) \times (4 \times 4 \times 4+4)) \\
&:= (5 \times (555-5-5)) - 5/5 \\
&:= (6+6) \times (6 \times 6 \times 6+66/6) \\
&:= 7/7 + (7 \times (((7 \times 777) + 7)/(7+7))) \\
&:= (((8 \times 8 \times 88) - 8)/(8+8)/8)) - 88 \\
&:= (9 \times ((9+9) \times (9+9) - 9)) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2725 &:= (111-1-1) \times (1 + ((1+1) \times (1+11))) \\
&:= 22 + ((2 \times (22+2+2))^2 - 2/2) \\
&:= (3 \times 3+3)^3 + (((3 \times 3+3/3)^3) - 3) \\
&:= (((44 \times (4^4-4-4)) + 4)/4) - 4 \\
&:= 5 \times (555-5-5) \\
&:= 6/6 + ((6+6) \times (6 \times 6 \times 6+66/6)) \\
&:= 7 \times 77 + (((7+7+7)/7)^7 - 7/7) \\
&:= 8 + (88/8 \times ((8+8) \times (8+8) - (8/8+8))) \\
&:= 9 + (((9/9+9+9) + 9) \times (99 - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2726 &:= 1 + ((111-1-1) \times (1 + ((1+1) \times (1+11)))) \\
&:= 22 + (2 \times (22+2+2))^2 \\
&:= ((33/3+3)^3) - (3 \times (3+3)) \\
&:= ((44 \times (4^4-4-4)) - (4+4))/4 \\
&:= 5/5 + (5 \times (555-5-5)) \\
&:= (66/6+6 \times 6) \times (((6+6)/6)^6 - 6) \\
&:= 7 \times 77 + ((7+7+7)/7)^7 \\
&:= (88 \times ((8+8+8) + 8)) - ((8+8)/8+88) \\
&:= (9+9+9) \times ((9+9)/9+99) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2727 &:= (((1+1)^{1+1+11}) - 11)/(1+1+1) \\
&:= 22 + ((2 \times (22+2+2))^2 + 2/2) \\
&:= 3 \times ((33 \times 3^3) + (3 \times (3+3))) \\
&:= ((44 \times (4^4-4-4)) - 4)/4 \\
&:= (5+5)/5 + (5 \times (555-5-5)) \\
&:= 66 + ((66 \times (6 \times 6+6)) - 666/6) \\
&:= 7 + (((7 \times 777) + 7/7)/(7+7)/7) \\
&:= (88 \times ((8+8+8) + 8)) - (8/8+88) \\
&:= (9+9+9) \times ((9+9)/9+99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2728 &:= (1+1) \times (11 \times (1 + (1 + (1 + 11^{1+1})))) \\
&:= 2 \times (22 \times (2^{2+2+2} - 2)) \\
&:= (3 - 3/3) \times ((33/3)^3 + 33) \\
&:= 44 \times (4^4 - 4 - 4)/4 \\
&:= 55/5 \times (((5 - (5+5)/5)^5) + 5) \\
&:= ((6+6)/6)^6 + ((6+6) \times (6 \times 6 \times 6 + 6)) \\
&:= (7/7 + 7) \times (7 \times 7 \times 7 - ((7+7)/7)) \\
&:= 88 \times (((8 - 8/8 + 8) + 8) + 8) \\
&:= 9/9 + (9 + 9 + 9) \times ((9+9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2729 &:= 1 + ((1+1) \times (11 \times (1 + (1 + (1 + 11^{1+1})))))) \\
&:= 2/2 + (2 \times (22 \times (2^{2+2+2} - 2))) \\
&:= 3 + (((33/3 + 3)^3) - (3 \times (3 + 3))) \\
&:= ((44 \times (4^4 - 4 - 4)) + 4)/4 \\
&:= 5 + ((5 \times (555 - 5 - 5)) - 5/5) \\
&:= ((6 - 6/6)^{6-6/6}) - 6 \times 66 \\
&:= 7 \times 7 \times (7 \times 7 + 7) - (7/7 + 7 + 7) \\
&:= 8/8 + (88 \times (((8 - 8/8 + 8) + 8) + 8)) \\
&:= 9 + (((9 - 9/9) + 9) \times (9 \times (9 + 9) - (9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2730 &:= (1+1) \times (((1+1)^{1+1+1}) - 1)/(1+1+1) \\
&:= 2 + (2 \times (22 \times (2^{2+2+2} - 2))) \\
&:= 3 + ((3+3) \times 333 + 3^{3+3}) \\
&:= (4^4 + 4)/4 \times (44 - (4 + 4)/4) \\
&:= 5 + (5 \times (555 - 5 - 5)) \\
&:= (6/6 + 6) \times (6 \times 66 - 6) \\
&:= 7 \times 7 \times (7 \times 7 + 7) - (7 + 7) \\
&:= (8 + 8)/8 + (88 \times (((8 - 8/8 + 8) + 8) + 8)) \\
&:= (9/9 + 9) \times (999/9 + 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2731 &:= (1 + ((1+1)^{1+1+1}))/((1+1+1)) \\
&:= ((2^{22/2+2}) + 2/2)/(2/2 + 2) \\
&:= 3 + (((3 \times 3 + 3/3)^3) + (3 \times 3 + 3)^3) \\
&:= 4 + (((44 \times (4^4 - 4 - 4)) - 4)/4) \\
&:= 5 + ((5 \times (555 - 5 - 5)) + 5/5) \\
&:= 6/6 + ((6/6 + 6) \times (6 \times 66 - 6)) \\
&:= 7/7 + (7 \times 7 \times (7 \times 7 + 7) - (7 + 7)) \\
&:= 8 \times 8 + ((88/8 - 8) \times (888 + 8/8)) \\
&:= 9999/9 + (9 \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2732 &:= 1 + ((1 + ((1+1)^{1+1+1}))/((1+1+1))) \\
&:= 2 \times ((22 \times (2^{2+2+2} - 2)) + 2) \\
&:= ((33/3 + 3)^3) - (3 \times 3 + 3) \\
&:= 4 + (44 \times (4^4 - 4 - 4)/4) \\
&:= 5 + ((5 \times (555 - 5 - 5)) + ((5 + 5)/5)) \\
&:= (6 + 6)/6 + ((6/6 + 6) \times (6 \times 66 - 6)) \\
&:= 7 \times 7 \times (7 \times 7 + 7) - (77 + 7)/7 \\
&:= (((8 \times 8 \times 88) + 8)/(8 + 8)/8) - 88 \\
&:= ((9 + 9)/9) \times (9 \times (9 \times (9 + 9) - 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2733 &:= (1 + 1 + 1 + 11)^{1+1+1} - 11 \\
&:= (2^{2+2} - 2)^{2/2+2} - 22/2 \\
&:= ((33/3 + 3)^3) - 33/3 \\
&:= 4 + (((44 \times (4^4 - 4 - 4)) + 4)/4) \\
&:= 5 + (55/5 \times (((5 - (5+5)/5)^5) + 5)) \\
&:= 666/6 + ((6 \times ((6 \times (66 + 6)) + 6)) - 6) \\
&:= 7 \times 7 \times (7 \times 7 + 7) - 77/7 \\
&:= (8 \times ((8 + 8) \times (8 + 8) + 88)) - (88/8 + 8) \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9) - 9)) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2734 &:= 1 + ((1 + 1 + 1 + 11)^{1+1+1} - 11) \\
&:= 2 \times (((2 + 2 + 2)^2 + 2/2)^2) - 2 \\
&:= ((3 - 33)/3) + ((33/3 + 3)^3) \\
&:= 4 + ((4^4 + 4)/4 \times (44 - (4 + 4)/4)) \\
&:= (5 \times (5 + 5) \times 55) - (55/5 + 5) \\
&:= (66 \times (6 \times 6 + 6)) - ((6 + 6)/6 + 6 \times 6) \\
&:= ((7 - 77)/7) + 7 \times 7 \times (7 \times 7 + 7) \\
&:= 8 \times 8 \times 8 + (((8 + 8)/8) \times 8888/8) \\
&:= (9 + 9) \times (9 \times (9 + 9) - 9) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2735 &:= 1 + (1 + ((1 + 1 + 1 + 11)^{1+1+1} - 11)) \\
&:= ((22 + 2/2) \times ((22/2)^2 - 2)) - 2 \\
&:= ((33/3 + 3)^3) - 3 \times 3 \\
&:= (4 \times 4 \times 4 \times 44) - (4 - 4/4)^4 \\
&:= 5 + ((5 \times (555 - 5 - 5)) + 5) \\
&:= (66 \times (6 \times 6 + 6)) - (6 \times 6 + 6/6) \\
&:= 7 \times 7 \times (7 \times 7 + 7) - ((7 + 7)/7 + 7) \\
&:= 8 + ((88 \times ((8 + 8 + 8) + 8)) - (8/8 + 88)) \\
&:= (9 + 9) \times (9 \times (9 + 9) - 9) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2736 &:= (1 + 1) \times ((1 + 11) \times (1 + 1 + 1 + 111)) \\
&:= 2 \times (2 \times 22^2 + (22 - 2)^2) \\
&:= (3^3 - 3) \times (333/3 + 3) \\
&:= 4 \times ((4 \times (4 \times 44 - 4)) - 4) \\
&:= 55/5 + (5 \times (555 - 5 - 5)) \\
&:= 6 \times ((6 \times 66 - 6) + 66) \\
&:= (7/7 + 7) \times (7 \times 7 \times 7 - 7/7) \\
&:= 8 + (88 \times (((8 - 8/8 + 8) + 8) + 8)) \\
&:= (9 + 9) \times (9 \times (9 + 9) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2737 &:= (1 + (11 + 11)) \times (11^{1+1} - 1 - 1) \\
&:= (22 + 2/2) \times ((22/2)^2 - 2) \\
&:= ((3/3 + 3)^3) + (3 \times (33 \times 3^3)) \\
&:= 4/4 + (4 \times ((4 \times (4 \times 44 - 4)) - 4)) \\
&:= ((55 + 5)/5) + (5 \times (555 - 5 - 5)) \\
&:= 6/6 + (6 \times ((6 \times 66 - 6) + 66)) \\
&:= 7 \times 7 \times (7 \times 7 + 7) - 7 \\
&:= ((8 - 8/8 + 8) + 8) \times (888/8 + 8) \\
&:= ((9 - 9/9) + 9) \times (9 \times (9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2738 &:= (1 + 1) \times ((111/(1 + 1 + 1))^{1+1}) \\
&:= 2 \times (((2 + 2 + 2)^2 + 2/2)^2) \\
&:= ((33/3 + 3)^3) - 3 - 3 \\
&:= (4 + 4)/4 + (4 \times ((4 \times (4 \times 44 - 4)) - 4)) \\
&:= 5 \times 555 - (((5 + 5)/5)^5 + 5) \\
&:= (6 + 6)/6 + (6 \times ((6 \times 66 - 6) + 66)) \\
&:= 7/7 + 7 \times (7 \times (7 \times 7 + 7)) - 7 \\
&:= 8 + ((88 \times (((8 - 8/8 + 8) + 8) + 8)) + ((8 + 8)/8)) \\
&:= 9/9 + (((9 - 9/9) + 9) \times (9 \times (9 + 9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2739 &:= 1 + ((1 + 1) \times ((111/(1 + 1 + 1))^{1+1})) \\
&:= (((2 \times (2 + 2 + 2)^2 + 2/2)^2) + 2)/2 \\
&:= 33 \times ((3 \times 3^3 - 3/3) + 3) \\
&:= 44/4 \times ((4^4 - 44/4) + 4) \\
&:= (5 \times (5 + 5) \times 55) - 55/5 \\
&:= 666/6 + (6 \times ((6 \times (66 + 6)) + 6)) \\
&:= (7 + 7)/7 + 7 \times (7 \times (7 \times 7 + 7)) - 7 \\
&:= 88/8 \times (((8 + 8) \times (8 + 8) - 8) + 8/8) \\
&:= 9 + ((9/9 + 9) \times (999/9 + 9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2740 &:= (1 + 1) \times (1 + ((111/(1 + 1 + 1))^{1+1})) \\
&:= 2 + (2 \times (((2 + 2 + 2)^2 + 2/2)^2)) \\
&:= ((33/3 + 3)^3) - (3/3 + 3) \\
&:= 4 + (4 \times ((4 \times (4 \times 44 - 4)) - 4)) \\
&:= (5 + 5) \times (5 \times 55 - 5/5) \\
&:= 6 + ((66 \times (6 \times 6 + 6)) - ((6 + 6)/6 + 6 \times 6)) \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7) - (77/7)) \\
&:= ((8 \times (8 \times 88 - 8)) - 88)/((8 + 8)/8) \\
&:= 9 + (9999/9 + (9 \times (99 + 9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2741 &:= (1 + 1 + 1 + 11)^{1+1+1} - 1 - 1 - 1 \\
&:= 2 + (((2 \times (2 + 2 + 2)^2 + 2/2)^2) + 2)/2 \\
&:= ((33/3 + 3)^3) - 3 \\
&:= (4 \times (4 \times (4 \times 44 - 4))) - 44/4 \\
&:= 5/5 + ((5 + 5) \times (5 \times 55 - 5/5)) \\
&:= 6 + ((66 \times (6 \times 6 + 6)) - (6 \times 6 + 6/6)) \\
&:= 7 \times 7 \times (7 \times 7 + 7) - (7 + 7 + 7)/7 \\
&:= (8 \times ((8 + 8) \times (8 + 8) + 88)) - 88/8 \\
&:= (9 + 9) \times (9 \times (9 + 9) - 9) - ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2742 &:= (1 + 1 + 1 + 11)^{1+1+1} - 1 - 1 \\
&:= (2^{2+2} - 2)^{2/2+2} - 2 \\
&:= 3/3 + (((33/3 + 3)^3) - 3) \\
&:= (4 - 44)/4 + (4 \times (4 \times (4 \times 44 - 4))) \\
&:= (5 + 5)/5 + ((5 + 5) \times (5 \times 55 - 5/5)) \\
&:= 6 + (6 \times ((6 \times 66 - 6) + 66)) \\
&:= 7 \times 7 \times (7 \times 7 + 7) - (7 + 7)/7 \\
&:= (8 - 88)/8 + (8 \times ((8 + 8) \times (8 + 8) + 88)) \\
&:= (9 + 9) \times (9 \times (9 + 9) - 9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2743 &:= (1+1+1+11)^{1+1+1} - 1 \\
&:= (2^{2+2} - 2)^{2/2+2} - 2/2 \\
&:= ((33/3+3)^3) - 3/3 \\
&:= 4 + (44/4 \times ((4^4 - 44/4) + 4)) \\
&:= 5 \times 555 - ((5+5)/5)^5 \\
&:= 6 + ((6 \times ((6 \times 66 - 6) + 66)) + 6/6) \\
&:= 7 \times 7 \times (7 \times 7 + 7) - 7/7 \\
&:= (8 \times ((8+8) \times (8+8) + 88)) - (8/8 + 8) \\
&:= (9+9) \times (9 \times (9+9) - 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2744 &:= (1 + (1 + 1 + 11))^{1+1+1} \\
&:= (2^{2+2} - 2)^{2/2+2} \\
&:= (33/3 + 3)^3 \\
&:= ((44 - 4)/4 + 4)^{4-4/4} \\
&:= (5 \times (5 + 5) \times 55) - (5/5 + 5) \\
&:= ((6 + 6)/6 + 6 + 6)^{6 \times 6/(6+6)} \\
&:= 7 \times 7 \times (7 \times 7 + 7) \\
&:= 8 \times ((8 - 8/8)^{88/8-8}) \\
&:= (99 - 9/9) \times ((9/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2745 &:= 1 + (1 + 1 + 1 + 11)^{1+1+1} \\
&:= 2/2 + (2^{2+2} - 2)^{2/2+2} \\
&:= 3/3 + ((33/3 + 3)^3) \\
&:= (44 + 4/4) \times ((4^4 + 4)/4 - 4) \\
&:= (5 \times (5 + 5) \times 55) - 5 \\
&:= 6 + ((6 \times ((6 \times (66 + 6) + 6)) + 666/6) \\
&:= 7/7 + 7 \times 7 \times (7 \times 7 + 7) \\
&:= 8/8 + (8 \times ((8 - 8/8)^{88/8-8})) \\
&:= (9 + 9) \times (9 \times (9 + 9) - 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2746 &:= 1 + (1 + (1 + 1 + 1 + 11))^{1+1+1} \\
&:= 2 + (2^{2+2} - 2)^{2/2+2} \\
&:= 3 + (((33/3 + 3)^3) - 3/3) \\
&:= (4 \times (4 \times (4 \times 44 - 4))) - ((4 + 4)/4 + 4) \\
&:= 5/5 + ((5 \times (5 + 5) \times 55) - 5) \\
&:= (((6 + 6)/6)^6 \times ((6 \times 6 + 6/6) + 6)) - 6 \\
&:= (7 + 7)/7 + 7 \times 7 \times (7 \times 7 + 7) \\
&:= (8 + 8)/8 + (8 \times ((8 - 8/8)^{88/8-8})) \\
&:= 9/9 + ((9 + 9) \times (9 \times (9 + 9) - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2747 &:= 1 + (1 + (1 + (1 + 1 + 1 + 11))^{1+1+1}) \\
&:= 2 + ((2^{2+2} - 2)^{2/2+2} + 2/2) \\
&:= 3 + ((33/3 + 3)^3) \\
&:= (4 \times (4 \times (4 \times 44 - 4))) - (4/4 + 4) \\
&:= (5 + 5)/5 + ((5 \times (5 + 5) \times 55) - 5) \\
&:= (66 + 6/6) \times (6 \times 6 - 6/6 + 6) \\
&:= (7 + 7 + 7)/7 + 7 \times 7 \times (7 \times 7 + 7) \\
&:= 8 + (88/8 \times (((8 + 8) \times (8 + 8) - 8) + 8/8)) \\
&:= (9 + 9)/9 + ((9 + 9) \times (9 \times (9 + 9) - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2748 &:= 1 + (1 + (1 + (1 + (1 + 1 + 1 + 11))^{1+1+1})) \\
&:= 2 + ((2^{2+2} - 2)^{2/2+2} + 2) \\
&:= 3 + (((33/3 + 3)^3) + 3/3) \\
&:= (4 \times (4 \times (4 \times 44 - 4))) - 4 \\
&:= (5 \times (5 + 5) \times 55) - (5 + 5)/5 \\
&:= 6 + ((6 \times ((6 \times 66 - 6) + 66)) + 6) \\
&:= 77/7 + 7 \times (7 \times (7 + 7)) - 7 \\
&:= ((8 \times (8 \times 88 - (8 + 8))) - 8)/((8 + 8)/8) \\
&:= ((9 + 9 + 9)/9) + ((9 + 9) \times (9 \times (9 + 9) - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2749 &:= ((111 - 1) \times (1 + ((1 + 1) \times (1 + 11)))) - 1 \\
&:= 2222 + (22 + 2/2)^2 - 2 \\
&:= 3 + (((33/3 + 3)^3) - 3/3) + 3 \\
&:= 4/4 + ((4 \times (4 \times (4 \times 44 - 4))) - 4) \\
&:= (5 \times (5 + 5) \times 55) - 5/5 \\
&:= (66 \times (6 \times 6 + 6)) - ((66/6 + 6) + 6) \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7) - ((7 + 7)/7)) \\
&:= 8 + ((8 \times ((8 + 8) \times (8 + 8) + 88)) - (88/8)) \\
&:= ((9 - 99)/(9 + 9)) + (9 + 9) \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2750 &:= (111 - 1) \times (1 + ((1 + 1) \times (1 + 11))) \\
&:= 22 \times (((22/2)^2 + 2) + 2) \\
&:= 3 + (((33/3 + 3)^3) + 3) \\
&:= 44/4 \times (4^4 - ((4 + 4)/4 + 4)) \\
&:= 5 \times (5 + 5) \times 55 \\
&:= 6 + (((6 + 6)/6 + 6 + 6)^{6 \times 6/(6+6)}) \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7) - 7/7) \\
&:= (8/8 + 8 + 8 + 8) \times (888 - 8)/8 \\
&:= 99/9 \times ((9 \times (9 + 9 + 9) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2751 &:= 1 + ((111 - 1) \times (1 + ((1 + 1) \times (1 + 11)))) \\
&:= 2222 + ((22 + 2/2)^2) \\
&:= (3^3 \times (3 \times 33 + 3)) - 3 \\
&:= (4 \times (4 \times (4 \times 44 - 4))) - 4/4 \\
&:= 5/5 + (5 \times (5 + 5) \times 55) \\
&:= (6/6 + 6) \times (6 \times 66 - (6 \times 6/(6 + 6))) \\
&:= 7 + 7 \times 7 \times (7 \times 7 + 7) \\
&:= (8 \times ((8 + 8) \times (8 + 8) + 88)) - 8/8 \\
&:= (9 + 9) \times (9 \times (9 + 9) - 9) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2752 &:= (1 + 1)^{11-1} + ((1 + 11)^{1+1+1}) \\
&:= 2 + (22 \times (((22/2)^2 + 2) + 2)) \\
&:= 3 \times 3 + (((33/3 + 3)^3) - 3/3) \\
&:= 4 \times (4 \times (4 \times 44 - 4)) \\
&:= (5 + 5)/5 + (5 \times (5 + 5) \times 55) \\
&:= ((6 + 6)/6)^6 \times ((6 \times 6 + 6/6) + 6) \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7) + 7/7) \\
&:= 8 \times ((8 + 8) \times (8 + 8) + 88) \\
&:= (9 + 9) \times (9 \times (9 + 9) - 9) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2753 &:= 1 + ((1 + 1)^{11-1} + ((1 + 11)^{1+1+1})) \\
&:= 2 + (((22 + 2/2)^2) + 2222) \\
&:= 3 \times 3 + ((33/3 + 3)^3) \\
&:= 4/4 + (4 \times (4 \times (4 \times 44 - 4))) \\
&:= 5 + ((5 \times (5 + 5) \times 55) - ((5 + 5)/5)) \\
&:= 6 + ((66 + 6/6) \times (6 \times 6 - 6/6 + 6)) \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7) + ((7 + 7)/7)) \\
&:= 8/8 + (8 \times ((8 + 8) \times (8 + 8) + 88)) \\
&:= (9 + 9) \times (9 \times (9 + 9) - 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2754 &:= 11 + ((1 + 1 + 1 + 11))^{1+1+1} - 1 \\
&:= 2 + ((22 \times (((22/2)^2 + 2) + 2)) + 2) \\
&:= 3^3 \times (3 \times 33 + 3) \\
&:= (4 + 4)/4 + (4 \times (4 \times (4 \times 44 - 4))) \\
&:= 5 + ((5 \times (5 + 5) \times 55) - 5/5) \\
&:= (66 \times (6 \times 6 + 6)) - 6 - 6 - 6 \\
&:= ((77 - 7)/7) + 7 \times 7 \times (7 \times 7 + 7) \\
&:= (8 + 8)/8 + (8 \times ((8 + 8) \times (8 + 8) + 88)) \\
&:= (9 + 9) \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2755 &:= 11 + (1 + 1 + 1 + 11)^{1+1+1} \\
&:= 22/2 + (2^{2+2} - 2)^{2/2+2} \\
&:= 3/3 + (3^3 \times (3 \times 33 + 3)) \\
&:= 4 + ((4 \times (4 \times (4 \times 44 - 4))) - 4/4) \\
&:= 5 + (5 \times (5 + 5) \times 55) \\
&:= (66 \times (6 \times 6 + 6)) - (66/6 + 6) \\
&:= 77/7 + 7 \times 7 \times (7 \times 7 + 7) \\
&:= 88 + ((88/8 - 8) \times (888 + 8/8)) \\
&:= 9/9 + (9 + 9) \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2756 &:= 1 + (11 + (1 + 1 + 1 + 11))^{1+1+1} \\
&:= 2 \times ((2 \times (22 - 2))^2 - 222) \\
&:= 3 + (((33/3 + 3)^3) + 3 \times 3) \\
&:= 4 + (4 \times (4 \times (4 \times 44 - 4))) \\
&:= 5 + ((5 \times (5 + 5) \times 55) + 5/5) \\
&:= (6 - 66)/6 + ((66 \times (6 \times 6 + 6)) - 6) \\
&:= (77 + 7)/7 + 7 \times 7 \times (7 \times 7 + 7) \\
&:= ((8 \times (8 \times 88 - (8 + 8))) + 8)/((8 + 8)/8) \\
&:= (9 + 9)/9 + (9 + 9) \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2757 &:= 1 + (1 + (11 + (1 + 1 + 1 + 11))^{1+1+1}) \\
&:= 2 + ((2^{2+2} - 2)^{2/2+2} + 22/2) \\
&:= 3 + (3^3 \times (3 \times 33 + 3)) \\
&:= 4 + ((4 \times (4 \times (4 \times 44 - 4))) + 4/4) \\
&:= 5 + ((5 \times (5 + 5) \times 55) + ((5 + 5)/5)) \\
&:= 6 + ((6/6 + 6) \times (6 \times 66 - (6 \times 6/(6 + 6)))) \\
&:= 7 + ((7 \times 7 \times (7 \times 7 + 7) - 7/7) + 7) \\
&:= 8 + (((8 \times ((8 + 8) \times (8 + 8) + 88)) - (88/8)) + 8) \\
&:= ((9 + 9 + 9)/9) + (9 + 9) \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2758 &:= ((1 + (11 + 11)) \times (11^{1+1} - 1)) - 1 - 1 \\
&:= 2 + (2 \times ((2 \times (22 - 2))^2 - 222)) \\
&:= 3 + ((3^3 \times (3 \times 33 + 3)) + 3/3) \\
&:= 4 + ((4 \times (4 \times (4 \times 44 - 4))) + (4 + 4)/4) \\
&:= 5^5 + (((5 - 5^5)/(5 + 5)) - 55) \\
&:= (6/6 + 6) \times (6 \times 66 - ((6 + 6)/6)) \\
&:= 7 + 7 \times (7 \times (7 \times 7 + 7) + 7) \\
&:= 8 + ((8/8 + 8 + 8 + 8) \times (888 - 8)/8) \\
&:= (9 + 9)/9 \times (9 \times (9 \times (9 + 9) - 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2759 &:= ((1 + (11 + 11)) \times (11^{1+1} - 1)) - 1 \\
&:= 22 + ((22 + 2/2) \times ((22/2)^2 - 2)) \\
&:= 3 + (((33/3 + 3)^3) + 3 \times 3) + 3 \\
&:= 4 + (((4 \times (4 \times (4 \times 44 - 4))) - 4/4) + 4) \\
&:= 5 \times 555 - (55/5 + 5) \\
&:= (66 \times (6 \times 6 + 6)) - (6/6 + 6 + 6) \\
&:= 7 + ((7 \times 7 \times (7 \times 7 + 7) + 7/7) + 7) \\
&:= 8 + ((8 \times ((8 + 8) \times (8 + 8) + 88)) - 8/8) \\
&:= 9 \times 9 \times 9 + (((9 + 9)/9)^{99/9} - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2760 &:= (1 + (11 + 11)) \times (11^{1+1} - 1) \\
&:= (2 + 2 + 2) \times (22^2 - (22 + 2)) \\
&:= 3 + ((3^3 \times (3 \times 33 + 3)) + 3) \\
&:= 4 + ((4 \times (4 \times (4 \times 44 - 4))) + 4) \\
&:= 5 + ((5 \times (5 + 5) \times 55) + 5) \\
&:= (66 \times (6 \times 6 + 6)) - 6 - 6 \\
&:= (7/7 + 7) \times (7 \times 7 \times 7 + ((7 + 7)/7)) \\
&:= 8 + (8 \times ((8 + 8) \times (8 + 8) + 88)) \\
&:= 9 + ((9 + 9) \times (9 \times (9 + 9) - 9) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2761 &:= 1 + ((1 + (11 + 11)) \times (11^{1+1} - 1)) \\
&:= 22/2 \times (((22^2 + 22)/2) - 2) \\
&:= (33 \times (3 \times 3^3 + 3)) - 33/3 \\
&:= 44/4 \times (4^4 - 4/4 - 4) \\
&:= 55/5 + (5 \times (5 + 5) \times 55) \\
&:= (66 \times (6 \times 6 + 6)) - 66/6 \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7) + ((77 - 7)/7)) \\
&:= 8 + ((8 \times ((8 + 8) \times (8 + 8) + 88)) + 8/8) \\
&:= 9 + ((9 + 9) \times (9 \times (9 + 9) - 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2762 &:= 1 + (1 + ((1 + (11 + 11)) \times (11^{1+1} - 1))) \\
&:= 2 + ((2 + 2 + 2) \times (22^2 - (22 + 2))) \\
&:= (3 \times (3 + 3)) + ((33/3 + 3)^3) \\
&:= ((44 \times (4^4 - 4/4 - 4)) + 4)/4 \\
&:= ((55 + 5)/5) + (5 \times (5 + 5) \times 55) \\
&:= (6 - 66)/6 + (66 \times (6 \times 6 + 6)) \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7) + (77/7)) \\
&:= 8 + ((8 \times ((8 + 8) \times (8 + 8) + 88)) + ((8 + 8)/8)) \\
&:= 9 + ((9 + 9) \times (9 \times (9 + 9) - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2763 &:= 111 + ((1 + 11) \times ((1 + 1) \times 111 - 1)) \\
&:= 2 + (22/2 \times (((22^2 + 22)/2) - 2)) \\
&:= 3 \times (((33 \times 3^3) + 3^3) + 3) \\
&:= 44/4 + (4 \times (4 \times (4 \times 44 - 4))) \\
&:= 5 \times 555 - (55 + 5)/5 \\
&:= (((6 - 66) + 6)/6) + (66 \times (6 \times 6 + 6)) \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7) + (77 + 7)/7) \\
&:= 88/8 + (8 \times ((8 + 8) \times (8 + 8) + 88)) \\
&:= 9 + (9 + 9) \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2764 &:= (1 + 1)^{1+11} - 1 - 11^{1+1+1} \\
&:= 22 + ((2^{2+2} - 2)^{2/2+2} - 2) \\
&:= 3 + ((33 \times (3 \times 3^3 + 3)) - 33/3) \\
&:= (44 \times ((4^4 - 4)/4)) - 4 - 4 \\
&:= 5 \times 555 - 55/5 \\
&:= (66 \times (6 \times 6 + 6)) - ((6 + 6)/6 + 6) \\
&:= 7 + (((7 \times 7 \times (7 \times 7 + 7) - 7/7) + 7) + 7) \\
&:= ((8 \times 8 - 8/8) \times (88/((8 + 8)/8))) - 8 \\
&:= 9 + ((9 + 9) \times (9 \times (9 + 9) - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2765 &:= ((1 + 1)^{1+11}) - 11^{1+1+1} \\
&:= 22 + ((2^{2+2} - 2)^{2/2+2} - 2/2) \\
&:= 3 + (((33/3 + 3)^3) + (3 \times (3 + 3))) \\
&:= 4 + (44/4 \times (4^4 - 4/4 - 4)) \\
&:= 5 \times 555 - 5 - 5 \\
&:= (6/6 + 6) \times (6 \times 66 - 6/6) \\
&:= 7 + (7 \times (7 \times (7 \times 7 + 7) + 7) + 7) \\
&:= (8 - 8/8) \times ((8 \times (8 \times 8 - (8 + 8))) + (88/8)) \\
&:= 99/9 + (9 + 9) \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2766 &:= 1 + (((1 + 1)^{1+11}) - 11^{1+1+1}) \\
&:= 22 + (2^{2+2} - 2)^{2/2+2} \\
&:= (33 \times (3 \times 3^3 + 3)) - 3 - 3 \\
&:= ((44 \times (4^4 - 4) - (4 + 4))/4) - 4 \\
&:= 5/5 + (5 \times 555 - (5 + 5)) \\
&:= (66 \times (6 \times 6 + 6)) - 6 \\
&:= 7 + (((7 \times 7 \times (7 \times 7 + 7) + 7/7) + 7) + 7) \\
&:= 8 + (((8/8 + 8 + 8 + 8) \times (888 - 8)/8) + 8) \\
&:= ((99 + 9)/9) + (9 + 9) \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2767 &:= 1 + (1 + (((1 + 1)^{1+11}) - 11^{1+1+1})) \\
&:= 22 + ((2^{2+2} - 2)^{2/2+2} + 2/2) \\
&:= 3^3 + (((33/3 + 3)^3) - (3/3 + 3)) \\
&:= ((44 \times (4^4 - 4) - 4)/4) - 4 \\
&:= (5 + 5)/5 + (5 \times 555 - (5 + 5)) \\
&:= 6/6 + ((66 \times (6 \times 6 + 6)) - 6) \\
&:= 7 + ((7/7 + 7) \times (7 \times 7 \times 7 + ((7 + 7)/7))) \\
&:= (888/8 \times (8/8 + 8 + 8 + 8)) - 8 \\
&:= ((99 + 9 + 9)/9) + (9 + 9) \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2768 &:= 1 + (1 + (1 + ((1 + 1)^{1+11}) - 11^{1+1+1})) \\
&:= 2 + ((2^{2+2} - 2)^{2/2+2} + 22) \\
&:= 3^3 + (((33/3 + 3)^3) - 3) \\
&:= 4 \times ((4 \times (4 \times 44 - 4)) + 4) \\
&:= 5 \times 555 - ((5 + 5)/5 + 5) \\
&:= (6 + 6)/6 + ((66 \times (6 \times 6 + 6)) - 6) \\
&:= (7/7 + 7) \times (((7 + 7 + 7)/7) + 7 \times 7 \times 7) \\
&:= 8 + ((8 \times ((8 + 8) \times (8 + 8) + 88)) + 8) \\
&:= 9 \times 9 \times 9 + (((9 + 9)/9)^{99/9} - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2769 &:= 111 + (1 + 1) \times (11^{1+1+1} - 1 - 1) \\
&:= (2/2 + 2) \times ((2 \times (22^2 - 22)) - 2/2) \\
&:= (33 \times (3 \times 3^3 + 3)) - 3 \\
&:= ((44 \times (4^4 - 4) + 4)/4) - 4 \\
&:= 5 \times 555 - (5/5 + 5) \\
&:= (66 \times (6 \times 6 + 6)) - 6 \times 6/(6 + 6) \\
&:= 7 + ((7 \times 7 \times (7 \times 7 + 7) + (77/7)) + 7) \\
&:= 8 + (((8 \times ((8 + 8) \times (8 + 8) + 88)) + 8/8) + 8) \\
&:= 99 + (((9 + 9 + 9)/9) \times (9 \times 99 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2770 &:= 111 + (((1 + 1) \times (11^{1+1+1} - 1)) - 1) \\
&:= (22 \times ((2 \times 2^{2+2+2}) - 2)) - 2 \\
&:= 3^3 + (((33/3 + 3)^3) - 3/3) \\
&:= (44 \times (4^4 - 4) - (4 + 4))/4 \\
&:= 5 \times 555 - 5 \\
&:= (66 \times (6 \times 6 + 6)) - (6 + 6)/6 \\
&:= 7 + ((7 \times 7 \times (7 \times 7 + 7) + (77 + 7)/7) + 7) \\
&:= 8 + (((8 \times ((8 + 8) \times (8 + 8) + 88)) + ((8 + 8)/8)) + 8) \\
&:= 99 + (99 \times (9 + 9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2771 &:= 111 + ((1 + 1) \times (11^{1+1+1} - 1)) \\
&:= (22 \times ((2 \times 2^{2+2+2}) - 2)) - 2/2 \\
&:= 3^3 + ((33/3 + 3)^3) \\
&:= (44 \times (4^4 - 4) - 4)/4 \\
&:= 5/5 + (5 \times 555 - 5) \\
&:= (66 \times (6 \times 6 + 6)) - 6/6 \\
&:= 77 + ((7 \times (7 \times (7 \times 7 + 7) - 7)) - 7/7) \\
&:= 8 + ((8 \times ((8 + 8) \times (8 + 8) + 88)) + (88/8)) \\
&:= 99 + (99 \times (9 + 9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2772 &:= 11 \times ((1 + 11) \times (11 + (11 - 1))) \\
&:= 22 \times ((2 \times 2^{2+2+2}) - 2) \\
&:= 33 \times (3 \times 3^3 + 3) \\
&:= 44 \times ((4^4 - 4)/4) \\
&:= (5 + 5)/5 + (5 \times 555 - 5) \\
&:= 66 \times (6 \times 6 + 6) \\
&:= 77 + (7 \times (7 \times (7 \times 7 + 7) - 7)) \\
&:= (8 \times 8 - 8/8) \times (88/((8 + 8)/8)) \\
&:= 99 + 99 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2773 &:= 111 + ((1+1) \times 11^{1+1+1}) \\
&:= 2/2 + (22 \times ((2 \times 2^{2+2+2}) - 2)) \\
&:= 3/3 + (33 \times (3 \times 3^3 + 3)) \\
&:= (44 \times (4^4 - 4) + 4)/4 \\
&:= 5 \times 555 - (5+5)/5 \\
&:= 6/6 + (66 \times (6 \times 6 + 6)) \\
&:= 7/7 + ((7 \times (7 \times (7 \times 7 + 7) - 7)) + 77) \\
&:= 8/8 + ((8 \times 8 - 8/8) \times (88/((8+8)/8))) \\
&:= 9/9 + (99 \times (9+9+9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2774 &:= (111 \times (1 + ((1+1) \times (1+11)))) - 1 \\
&:= 2 + (22 \times ((2 \times 2^{2+2+2}) - 2)) \\
&:= 3 + (((33/3+3)^3) + 3^3) \\
&:= ((44 \times (4^4 - 4) + 4) + 4)/4 \\
&:= 5 \times 555 - 5/5 \\
&:= (6+6)/6 + (66 \times (6 \times 6 + 6)) \\
&:= 7 + (((7/7+7) \times (7 \times 7 \times 7 + ((7+7)/7))) + 7) \\
&:= (888/8 \times (8/8+8+8+8)) - 8/8 \\
&:= 9 + ((9+9) \times (9 \times (9+9) - 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2775 &:= 111 \times (1 + ((1+1) \times (1+11))) \\
&:= 222/2 \times ((22+2/2) + 2) \\
&:= 3 + (33 \times (3 \times 3^3 + 3)) \\
&:= 4 + ((44 \times (4^4 - 4) - 4)/4) \\
&:= 5 \times 555 \\
&:= (6 \times 6/(6+6)) + (66 \times (6 \times 6 + 6)) \\
&:= 7 \times (77+7) + ((7+7+7)/7)^7 \\
&:= 888/8 \times (8/8+8+8+8) \\
&:= 999/9 + (99 \times (9+9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2776 &:= 1 + (111 \times (1 + ((1+1) \times (1+11)))) \\
&:= 2 + ((22 \times ((2 \times 2^{2+2+2}) - 2)) + 2) \\
&:= 3 + ((33 \times (3 \times 3^3 + 3)) + 3/3) \\
&:= 4 + (44 \times ((4^4 - 4)/4)) \\
&:= 5/5 + 5 \times 555 \\
&:= 6 + ((66 \times (6 \times 6 + 6)) - ((6+6)/6)) \\
&:= (7/7+7) \times ((7 \times 7 \times 7 - 7) + (77/7)) \\
&:= 88 + ((8+8) \times (88 - 8 + 88)) \\
&:= 9 \times 9 \times 9 + (((9+9)/9)^{99/9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2777 &:= 1 + (1 + (111 \times (1 + ((1+1) \times (1+11)))))) \\
&:= 2 + (222/2 \times ((22+2/2) + 2)) \\
&:= 33 + ((33/3+3)^3) \\
&:= 4 + ((44 \times (4^4 - 4) + 4)/4) \\
&:= (5+5)/5 + 5 \times 555 \\
&:= 6 + ((66 \times (6 \times 6 + 6)) - 6/6) \\
&:= 77 + ((7 - ((7+7)/7)) \times (7 \times 77 + 7/7)) \\
&:= 8/8 + (((8+8) \times (88 - 8 + 88)) + 88) \\
&:= 9 \times 9 \times 9 + (((9+9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2778 &:= (1 + 11111)/(1 + 1 + 1 + 1) \\
&:= (2/2 + 2) \times ((2 \times (22^2 - 22)) + 2) \\
&:= 3 + ((33 \times (3 \times 3^3 + 3)) + 3) \\
&:= 4 + (((44 \times (4^4 - 4) + 4) + 4)/4) \\
&:= 5 + (5 \times 555 - ((5+5)/5)) \\
&:= 6 + (66 \times (6 \times 6 + 6)) \\
&:= (7 - 7/7) \times ((77 \times (7 - 7/7)) + 7/7) \\
&:= ((8+8)/8) \times (88 \times (8+8) - (88/8+8)) \\
&:= 9/9 + (((9+9)/9)^{99/9}) + 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2779 &:= 1 + ((1 + 11111)/(1 + 1 + 1 + 1)) \\
&:= ((22+2/2) \times (22/2)^2) - 2 - 2 \\
&:= 3 + (((33 \times (3 \times 3^3 + 3)) + 3/3) + 3) \\
&:= 4 + (((44 \times (4^4 - 4) - 4)/4) + 4) \\
&:= 5 + (5 \times 555 - 5/5) \\
&:= 6 + ((66 \times (6 \times 6 + 6)) + 6/6) \\
&:= 7 \times (7 \times (7 \times 7 + 7) + 7) - 7 - 7 \\
&:= (((8 \times (8 \times 88 - 8)) - 8)/((8+8)/8)) - 8/8 \\
&:= 999 + ((9+9) \times 99 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2780 &:= 1 + (1 + ((1 + 11111)/(1 + 1 + 1 + 1))) \\
&:= 2 \times ((2 \times (222 + 22^2)) - 22) \\
&:= 3 + (((33/3+3)^3) + 33) \\
&:= 4 + ((44 \times ((4^4 - 4)/4) + 4) \\
&:= 5 + 5 \times 555 \\
&:= 6 + ((66 \times (6 \times 6 + 6)) + ((6+6)/6)) \\
&:= 7/7 + (7 \times (7 \times (7 \times 7 + 7) + 7) - (7+7)) \\
&:= ((8 \times (8 \times 88 - 8)) - 8)/((8+8)/8) \\
&:= 999 + ((9+9) \times 99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2781 &:= (11 \times (11 \times (1 + (11 + 11)))) - 1 - 1 \\
&:= ((22+2/2) \times (22/2)^2) - 2 \\
&:= 3 \times (((33 \times 3^3) + 33) + 3) \\
&:= 4 + (((44 \times (4^4 - 4) + 4)/4) + 4) \\
&:= 5 + (5 \times 555 + 5/5) \\
&:= 6 + ((66 \times (6 \times 6 + 6)) + (6 \times 6/(6+6))) \\
&:= 7 \times (7 \times (7 \times 7 + 7) + 7) - (77 + 7)/7 \\
&:= (88/8 + 8 + 8) \times (888/8 - 8) \\
&:= 999 + (9+9) \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2782 &:= (11 \times (11 \times (1 + (11 + 11)))) - 1 \\
&:= 2 \times (((2+2+2)^2 + 2/2)^2) + 22 \\
&:= 3^3 + ((3^3 \times (3 \times 33 + 3)) + 3/3) \\
&:= 4 + (((44 \times (4^4 - 4) + 4) + 4)/4) + 4 \\
&:= 5 + (5 \times 555 + ((5+5)/5)) \\
&:= ((66 - 6)/6) + (66 \times (6 \times 6 + 6)) \\
&:= 7 \times (7 \times (7 \times 7 + 7) + 7) - 77/7 \\
&:= ((8+8)/8) \times (88 \times (8+8) - (8/8+8+8)) \\
&:= 9/9 + ((9+9) \times 99 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2783 &:= 11 \times (11 \times (1 + (11 + 11))) \\
&:= (22 + 2/2) \times (22/2)^2 \\
&:= 3 + (((33/3+3)^3) + 33) + 3) \\
&:= 44/4 \times ((4/4 - 4) + 4^4) \\
&:= 5 + ((5 \times 555 - ((5+5)/5)) + 5) \\
&:= 66/6 + (66 \times (6 \times 6 + 6)) \\
&:= ((7 - 77)/7) + 7 \times (7 \times (7 \times 7 + 7) + 7) \\
&:= 8 + (888/8 \times (8/8 + 8 + 8)) \\
&:= 99 + (99 \times (9+9+9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2784 &:= 1 + (11 \times (11 \times (1 + (11 + 11)))) \\
&:= (2 + 2 + 2) \times ((22^2 - 22) + 2) \\
&:= (3/3 + 3) \times (3^{3+3} - 33) \\
&:= 4 \times ((444 - 4) + 4^4) \\
&:= 5 + ((5 \times 555 - 5/5) + 5) \\
&:= 6 + ((66 \times (6 \times 6 + 6)) + 6) \\
&:= (7/7 + 7) \times ((7 \times 7 \times 7 - ((7+7)/7)) + 7) \\
&:= 8 \times ((8 \times 88 - 8)/((8+8)/8)) \\
&:= 999/9 + 99 \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2785 &:= 1 + (1 + (11 \times (11 \times (1 + (11 + 11)))))) \\
&:= 2 + ((22+2/2) \times (22/2)^2) \\
&:= 3/3 + ((3/3+3) \times (3^{3+3} - 33)) \\
&:= 4/4 + (4 \times ((444 - 4) + 4^4)) \\
&:= 5 + (5 \times 555 + 5) \\
&:= 6 + (((66 \times (6 \times 6 + 6)) + 6/6) + 6) \\
&:= 7 \times (7 \times (7 \times 7 + 7) + 7) - (7/7 + 7) \\
&:= 8/8 + (8 \times ((8 \times 88 - 8)/((8+8)/8))) \\
&:= 99 \times (9+9+9) + ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2786 &:= 11 + (111 \times (1 + ((1+1) \times (1+11)))) \\
&:= 22^2 + (((2 \times (22+2))^2) - 2) \\
&:= 3 \times 3 + (((33/3+3)^3) + 33) \\
&:= 4 \times 4 + ((44 \times (4^4 - 4) - (4+4))/4) \\
&:= 55/5 + 5 \times 555 \\
&:= (6/6+6) \times (((6+6)/6) + 6 \times 66) \\
&:= 7 \times (7 \times (7 \times 7 + 7) + 7) - 7 \\
&:= (8+8)/8 + (8 \times ((8 \times 88 - 8)/((8+8)/8))) \\
&:= 9 + (((9+9)/9)^{99/9}) + 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2787 &:= 1 + (11 + (111 \times (1 + ((1+1) \times (1+11)))))) \\
&:= 2 + (((22+2/2) \times (22/2)^2) + 2) \\
&:= 33 + (3^3 \times (3 \times 33 + 3)) \\
&:= 4 + (44/4 \times ((4/4 - 4) + 4^4)) \\
&:= 5 \times 555 + (55+5)/5 \\
&:= 6 + (((66 \times (6 \times 6 + 6)) + (6 \times 6/(6+6))) + 6) \\
&:= 7/7 + (7 \times (7 \times (7 \times 7 + 7) + 7) - 7) \\
&:= (((8 \times (8 \times 88 - 8)) + 8)/((8+8)/8)) - 8/8 \\
&:= 9 \times (9+9) \times (9+9) - ((999/9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2788 &:= 1 + (1 + (11 + (111 \times (1 + ((1 + 1) \times (1 + 11)))))) \\
&:= 22^2 + ((2 \times (22 + 2))^2) \\
&:= (3/3 + 33) \times (3 \times 3^3 + 3/3) \\
&:= 4 + (4 \times ((444 - 4) + 4^4)) \\
&:= 5^5 + (((5 - 5^5)/(5 + 5)) - 5 \times 5) \\
&:= 6 + ((66 \times (6 \times 6 + 6)) + ((66 - 6)/6)) \\
&:= (7 + 7)/7 + (7 \times (7 \times (7 \times 7 + 7) + 7) - 7) \\
&:= ((8 \times (8 \times 88 - 8)) + 8)/((8 + 8)/8) \\
&:= ((9 - 9/9) + 9) \times (((9 + 9)/9) + 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2793 &:= (11 + (11 - 1)) \times (1 + (11 \times (1 + 11))) \\
&:= ((22 \times (2^{2 \times (2+2)} - 2)) - 2)/2 \\
&:= 3 + ((3^3 + 3) \times ((3 \times (3^3 + 3)) + 3)) \\
&:= 4 + (((44 \times (4^4 - 4) + 4)/4) + 4 \times 4) \\
&:= (5 \times (555 + 5)) - ((5 + 5)/5 + 5) \\
&:= (6/6 + 6) \times ((6 \times 6/(6 + 6)) + 6 \times 66) \\
&:= 7 \times (7 \times (7 \times 7 + 7) + 7) \\
&:= ((8 \times 8 - 88/8)^{(8+8)/8}) - 8 - 8 \\
&:= 9 + (99 \times (9 + 9 + 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2798 &:= 1 + (1 + ((1 + 11) \times (11 + (1 + 1) \times 11))) \\
&:= 2222 + ((22 + 2)^2) \\
&:= 3^3 + (((33/3 + 3)^3) + 3^3) \\
&:= 4 + (44/4 \times (4^4 - (4 + 4)/4)) \\
&:= (5 \times (555 + 5)) - (5 + 5)/5 \\
&:= (6 - 66)/6 + (6 \times (6 \times (66 + 6 + 6))) \\
&:= 7 + (7 \times (7 \times (7 \times 7 + 7) + 7) - ((7 + 7)/7)) \\
&:= ((8 + 8)/8) \times (88 \times (8 + 8) - (8/8 + 8)) \\
&:= 9 + (((9 + 9) \times 99 - 9/9) + 999) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2789 &:= 11 + ((1 + 11111)/(1 + 1 + 1 + 1)) \\
&:= 2/2 + (((2 \times (22 + 2))^2) + 22^2) \\
&:= 3 + (((33/3 + 3)^3) + 33) + 3 \times 3 \\
&:= 4 \times 4 + ((44 \times (4^4 - 4) + 4)/4) \\
&:= (5 \times (555 + 5)) - 55/5 \\
&:= 6 + ((66 \times (6 \times 6 + 6)) + (66/6)) \\
&:= 7 + (7 \times (7 \times (7 \times 7 + 7) + 7) - (77/7)) \\
&:= 8 + ((88/8 + 8 + 8) \times (888/8 - 8)) \\
&:= 9 + (((9 + 9) \times 99 - 9/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2794 &:= 11 \times (1 + (11 \times (1 + (11 + 11)))) \\
&:= 22 \times ((2^{2 \times (2+2)} - 2)/2) \\
&:= 33/3 \times ((3^{3+3} + 33)/3) \\
&:= 44/4 \times (4^4 - (4 + 4)/4) \\
&:= (5 \times (555 + 5)) - (5/5 + 5) \\
&:= 66/6 \times (6 \times (6 \times 6 + 6) + ((6 + 6)/6)) \\
&:= 7/7 + 7 \times (7 \times (7 \times 7 + 7) + 7) \\
&:= ((8 + 8)/8) \times (88 \times (8 + 8) - (88/8)) \\
&:= 99/9 \times (9 \times (9 + 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2799 &:= ((1 + 111) \times (1 + ((1 + 1) \times (1 + 11)))) - 1 \\
&:= 2/2 + (2222 + ((22 + 2)^2)) \\
&:= 3^3 + (33 \times (3 \times 3^3 + 3)) \\
&:= (4 \times (444 + 4^4)) - 4/4 \\
&:= (5 \times (555 + 5)) - 5/5 \\
&:= 6 + ((6/6 + 6) \times ((6 \times 6/(6 + 6)) + 6 \times 66)) \\
&:= 7 + (7 \times (7 \times (7 \times 7 + 7) + 7) - 7/7) \\
&:= (88 \times ((8 + 8 + 8) + 8)) - (8/8 + 8 + 8) \\
&:= 9 + (((9 + 9) \times 99 + 999) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2790 &:= 1 + (11 + ((1 + 11111)/(1 + 1 + 1 + 1))) \\
&:= 2 + (((2 \times (22 + 2))^2) + 22^2) \\
&:= (3^3 + 3) \times ((3 \times (3^3 + 3)) + 3) \\
&:= (44 + 4/4) \times (4^4 - 4 - 4)/4 \\
&:= 5 + ((5 \times 555 + 5) + 5) \\
&:= 6 + (((66 \times (6 \times 6 + 6)) + 6) + 6) \\
&:= (77/7 + 7) \times (7/7 + 77 + 77) \\
&:= (8 \times 8 - ((8 + 8)/8)) \times (8 \times 8 - (88/8 + 8)) \\
&:= 9 + ((9 + 9) \times 99 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2795 &:= 1 + (11 \times (1 + (11 \times (1 + (11 + 11)))))) \\
&:= ((22 \times (2^{2 \times (2+2)} - 2)) + 2)/2 \\
&:= 3^3 + (((33/3 + 3)^3) - 3) + 3^3 \\
&:= (44 - 4/4) \times (4^4 + 4)/4 \\
&:= (5 \times (555 + 5)) - 5 \\
&:= (6/6 + 6 + 6) \times (6 \times 6 \times 6 - 6/6) \\
&:= (7 + 7)/7 + 7 \times (7 \times (7 \times 7 + 7) + 7) \\
&:= 88/8 + (8 \times ((8 \times 88 - 8)/(8 + 8)/8)) \\
&:= 9 + (((9 + 9)/9)^{99/9} + 9 \times 9 \times 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2800 &:= (1 + 111) \times (1 + ((1 + 1) \times (1 + 11))) \\
&:= 2 + (2222 + ((22 + 2)^2)) \\
&:= (3^3 + 3/3) \times (3 \times 33 + 3/3) \\
&:= 4 \times (444 + 4^4) \\
&:= 5 \times (555 + 5) \\
&:= (((6 + 6)/6)^{6+6}) - 6 \times 6 \times 6 \times 6 \\
&:= 7 + 7 \times (7 \times (7 \times 7 + 7) + 7) \\
&:= (8 + 8) \times (888/8 + 8 \times 8) \\
&:= (9/9 + 99) \times ((9/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2791 &:= (11 \times (1 + (11 \times (1 + (11 + 11)))) - 1 - 1 - 1) \\
&:= (((22 \times (2^{2 \times (2+2)} - 2)) - 2)/2) - 2 \\
&:= 3 + ((3/3 + 33) \times (3 \times 3^3 + 3/3)) \\
&:= ((44 - 4/4) \times (4^4 + 4)/4) - 4 \\
&:= 5 + (5 \times 555 + (55/5)) \\
&:= 6 + (((66 \times (6 \times 6 + 6)) + 6/6) + 6) + 6 \\
&:= 7 \times (7 \times (7 \times 7 + 7) + 7) - (7 + 7)/7 \\
&:= 8 + ((888/8 \times (8/8 + 8 + 8 + 8)) + 8) \\
&:= 9 + (((9 + 9) \times 99 + 999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2796 &:= (1 + 11) \times (11 + (1 + 1) \times 111) \\
&:= 2 + (22 \times ((2^{2 \times (2+2)} - 2)/2)) \\
&:= 3^3 + ((33 \times (3 \times 3^3 + 3)) - 3) \\
&:= (4 \times (444 + 4^4)) - 4 \\
&:= 5/5 + ((5 \times (555 + 5)) - 5) \\
&:= (6 \times (6 \times (66 + 6 + 6))) - 6 - 6 \\
&:= (7 + 7 + 7)/7 + 7 \times (7 \times (7 \times 7 + 7) + 7) \\
&:= 8 + (((8 \times (8 \times 88 - 8)) + 8)/(8 + 8)/8) \\
&:= 9 \times (9 + 9) \times (9 + 9) - (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2801 &:= 1 + ((1 + 111) \times (1 + ((1 + 1) \times (1 + 11)))) \\
&:= (((22 - 2)^2 \times (2^{2+2} - 2)) + 2)/2 \\
&:= 3 + (((33/3 + 3)^3) + 3^3) + 3^3 \\
&:= 4/4 + (4 \times (444 + 4^4)) \\
&:= 5/5 + (5 \times (555 + 5)) \\
&:= (6 \times (6 \times (66 + 6 + 6))) - 6/6 - 6 \\
&:= 7 + (7 \times (7 \times (7 \times 7 + 7) + 7) + 7/7) \\
&:= ((8 \times 8 - 88/8)^{(8+8)/8}) - 8 \\
&:= 9 + (((9 + 9) \times 99 + 999) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2792 &:= (11 \times (1 + (11 \times (1 + (11 + 11)))) - 1 - 1) \\
&:= 2 \times (2 \times (((22 + 2 + 2)^2) + 22)) \\
&:= 3 \times 3^3 + (((33/3 + 3)^3) - 33) \\
&:= (4 \times (444 + 4^4)) - 4 - 4 \\
&:= 5 + (5 \times 555 + ((55 + 5)/5)) \\
&:= 6 + ((6/6 + 6) \times (((6 + 6)/6) + 6 \times 66)) \\
&:= 7 \times (7 \times (7 \times 7 + 7) + 7) - 7/7 \\
&:= 8 + (8 \times ((8 \times 88 - 8)/(8 + 8)/8)) \\
&:= 99/9 + ((9 + 9) \times 99 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2797 &:= 1 + ((1 + 11) \times (11 + (1 + 1) \times 111)) \\
&:= 2 + (((22 \times (2^{2 \times (2+2)} - 2)) + 2)/2) \\
&:= 3 + (33/3 \times ((3^{3+3} + 33)/3)) \\
&:= 4/4 + ((4 \times (444 + 4^4)) - 4) \\
&:= (5 + 5)/5 + ((5 \times (555 + 5)) - 5) \\
&:= (6 \times (6 \times (66 + 6 + 6))) - 66/6 \\
&:= 77/7 + (7 \times (7 \times (7 \times 7 + 7) + 7) - 7) \\
&:= (88 \times ((8 + 8 + 8) + 8)) - (88/8 + 8) \\
&:= 9 + (((9 - 9/9) + 9) \times (((9 + 9)/9) + 9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2802 &:= 1 + (1 + ((1 + 111) \times (1 + ((1 + 1) \times (1 + 11)))))) \\
&:= 2 + (2222 + ((22 + 2)^2)) + 2 \\
&:= 3 + ((33 \times (3 \times 3^3 + 3)) + 3^3) \\
&:= (4 + 4)/4 + (4 \times (444 + 4^4)) \\
&:= (5 + 5)/5 + (5 \times (555 + 5)) \\
&:= (6 \times (6 \times (66 + 6 + 6))) - 6 \\
&:= 7 + (7 \times (7 \times (7 \times 7 + 7) + 7) + ((7 + 7)/7)) \\
&:= ((8 + 8)/8) \times ((88 \times (8 + 8) - 8) + 8/8) \\
&:= 9 + ((99 \times (9 + 9 + 9) + 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2803 &:= (11 \times (111 + (1 + 11)^{1+1})) - 1 - 1 \\
&:= ((22/2 + 2 \times 22)^2) - 222 \\
&:= 3 + ((3^3 + 3/3) \times (3 \times 33 + 3/3)) \\
&:= 4 + ((4 \times (444 + 4^4)) - 4/4) \\
&:= 5 + ((5 \times (555 + 5)) - ((5 + 5)/5)) \\
&:= 6/6 + ((6 \times (6 \times (66 + 6 + 6))) - 6) \\
&:= 77 + (((7 + 7 + 7)/7)^7 + 7 \times 77) \\
&:= (88 \times ((8 + 8 + 8) + 8)) - (88 + 8 + 8)/8 \\
&:= 9 + ((99/9) \times (9 \times (9 + 9 + 9) + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2804 &:= (11 \times (111 + (1 + 11)^{1+1})) - 1 \\
&:= 2 \times ((2 \times (2 \times ((22 \times 2^{2+2}) - 2))) + 2) \\
&:= 3^3 + (((33/3 + 3)^3) + 33) \\
&:= 4 + (4 \times (444 + 4^4)) \\
&:= 5 + ((5 \times (555 + 5)) - 5/5) \\
&:= (6 + 6)/6 + ((6 \times (6 \times (66 + 6 + 6))) - 6) \\
&:= 77/7 + 7 \times (7 \times (7 \times 7 + 7) + 7) \\
&:= (((8 \times 8 \times 88) - 8)/((8 + 8)/8)) - 8 \\
&:= 9 \times (9 + 9) \times (9 + 9) - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2805 &:= 11 \times (111 + (1 + 11)^{1+1}) \\
&:= 22/2 \times (2^{2 \times (2+2)} - 2/2) \\
&:= 33 + (33 \times (3 \times 3^3 + 3)) \\
&:= 44/4 \times (4^4 - 4/4) \\
&:= 5 + (5 \times (555 + 5)) \\
&:= (66 \times (6 \times 6 + 6)) + (66 \times 6/(6 + 6)) \\
&:= (77 + 7)/7 + 7 \times (7 \times (7 \times 7 + 7) + 7) \\
&:= 88/8 \times ((8 + 8) \times (8 + 8) - 8/8) \\
&:= 9 \times (9 + 9) \times (9 + 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2806 &:= (1 + (11 + 11)) \times (1 + 11^{1+1}) \\
&:= (22 + 2/2) \times ((22/2)^2 + 2/2) \\
&:= 3/3 + ((33 \times (3 \times 3^3 + 3)) + 33) \\
&:= 4/4 + (44/4 \times (4^4 - 4/4)) \\
&:= 5 + ((5 \times (555 + 5)) + 5/5) \\
&:= (6 \times (6 \times (66 + 6 + 6))) - (6 + 6)/6 \\
&:= 7 + ((7 \times (7 \times (7 \times 7 + 7) + 7) - 7/7) + 7) \\
&:= (8 - 88)/8 + (88 \times ((8 + 8 + 8) + 8)) \\
&:= ((9 + 9)/9) \times (((9 + 9)/9)^9) + 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2807 &:= 1 + ((1 + (11 + 11)) \times (1 + 11^{1+1})) \\
&:= ((2 \times (22 + 2 + 2) + 2/2)^2) - 2 \\
&:= ((33 + 3) \times (3 \times 3^3 - 3)) - 3/3 \\
&:= (4 \times 4 \times 4 \times 44) - (4/4 + 4 + 4) \\
&:= 5^5 - ((5^5 + 5)/(5 + 5) + 5) \\
&:= (6 \times (6 \times (66 + 6 + 6))) - 6/6 \\
&:= 7 + (7 \times (7 \times (7 \times 7 + 7) + 7) + 7) \\
&:= (88 \times ((8 + 8 + 8) + 8)) - (8/8 + 8) \\
&:= 9 \times (9 + 9) \times (9 + 9) - (9/9 + 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2808 &:= (1 + 11) \times (1 + (11 + (1 + 1) \times 111)) \\
&:= 2 \times (2 \times ((2 \times (22 \times 2^{2+2})) - 2)) \\
&:= (33 + 3) \times (3 \times 3^3 - 3) \\
&:= (4 \times 4 \times 4 \times 44) - 4 - 4 \\
&:= 5^5 + (((5 - 5^5)/(5 + 5)) - 5) \\
&:= 6 \times (6 \times (66 + 6 + 6)) \\
&:= (7/7 + 7) \times ((7 \times 7 \times 7 + 7/7) + 7) \\
&:= (88 \times ((8 + 8 + 8) + 8)) - 8 \\
&:= (99 + 9) \times (((9 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2809 &:= ((111 - 1)/(1 + 1) - (1 + 1))^{1+1} \\
&:= (2 \times (22 + 2 + 2) + 2/2)^2 \\
&:= 3/3 + ((33 + 3) \times (3 \times 3^3 - 3)) \\
&:= 4 + (44/4 \times (4^4 - 4/4)) \\
&:= (55 - (5 + 5)/5)^{(5+5)/5} \\
&:= 6/6 + (6 \times (6 \times (66 + 6 + 6))) \\
&:= ((77/7 - 7) + 7 \times 7)^{(7+7)/7} \\
&:= (8 \times 8 - 88/8)^{(8+8)/8} \\
&:= 9 + ((9/9 + 99) \times ((9/9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2810 &:= 1 + (((111 - 1)/(1 + 1) - (1 + 1))^{1+1}) \\
&:= (2 \times (22 \times 2^{2+2+2} - 2)) - 2 \\
&:= 33 + (((33/3 + 3)^3) + 33) \\
&:= (4 \times 4 \times 4 \times 44) - ((4 + 4)/4 + 4) \\
&:= 5 + ((5 \times (555 + 5)) + 5) \\
&:= (6 + 6)/6 + (6 \times (6 \times (66 + 6 + 6))) \\
&:= 77 + (7 \times 7 \times (7 \times 7 + 7) - (77/7)) \\
&:= 8/8 + ((8 \times 8 - 88/8)^{(8+8)/8}) \\
&:= (9 + 9)/9 + ((99 + 9) \times (((9 - 9/9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2811 &:= (1 + 1 + 1) \times ((1 + 1)^{11} - 1111) \\
&:= 2 + ((2 \times (22 + 2 + 2) + 2/2)^2) \\
&:= 3 + ((33 + 3) \times (3 \times 3^3 - 3)) \\
&:= (4 \times 4 \times 4 \times 44) - (4/4 + 4) \\
&:= 55/5 + (5 \times (555 + 5)) \\
&:= (6 \times 6/(6 + 6)) + (6 \times (6 \times (66 + 6 + 6))) \\
&:= 7 + 7 \times (7 \times (7 \times 7 + 7) + 7) + 77/7 \\
&:= (((8 \times 8 \times 88) - 8)/((8 + 8)/8)) - 8/8 \\
&:= 999/9 + ((9 + 9 + 9) \times (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2812 &:= 1 + ((1 + 1 + 1) \times ((1 + 1)^{11} - 1111)) \\
&:= 2 \times (22 \times 2^{2+2+2} - 2) \\
&:= 3 + (((33 + 3) \times (3 \times 3^3 - 3)) + 3/3) \\
&:= (4 \times 4 \times 4 \times 44) - 4 \\
&:= 5^5 - ((5^5 + 5)/(5 + 5) + 5) \\
&:= 6 + ((6 \times (6 \times (66 + 6 + 6))) - ((6 + 6)/6)) \\
&:= (7/7 - 77) \times ((77 + 7)/7 - 7 \times 7) \\
&:= ((8 \times 8 \times 88) - 8)/((8 + 8)/8) \\
&:= (9 + 9) \times 99 + (9999/9 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2813 &:= 11 \times (1 + 1)^{(1+1)^{1+1+1}} - 1 - 1 - 1 \\
&:= (((22 \times 2^{2 \times (2+2)}) - 2)/2) - 2 \\
&:= 3 + (((33/3 + 3)^3) + 33) + 33 \\
&:= 4/4 + ((4 \times 4 \times 4 \times 44) - 4) \\
&:= 5^5 + ((5 - 5^5)/(5 + 5)) \\
&:= 6 + ((6 \times (6 \times (66 + 6 + 6))) - 6/6) \\
&:= 77 + ((7/7 + 7) \times (7 \times 7 \times 7 - 7/7)) \\
&:= 8 + (88/8 \times ((8 + 8) \times (8 + 8) - 8/8)) \\
&:= (99/9 + 9 + 9) \times (99 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2814 &:= 11 \times (1 + 1)^{(1+1)^{1+1+1}} - 1 - 1 \\
&:= (2 \times 22 \times 2^{2+2+2}) - 2 \\
&:= 3 + (((33 + 3) \times (3 \times 3^3 - 3)) + 3) \\
&:= (4 \times 4 \times 4 \times 44) - (4 + 4)/4 \\
&:= 5 + ((55 - (5 + 5)/5)^{(5+5)/5}) \\
&:= 6 + (6 \times (6 \times (66 + 6 + 6))) \\
&:= 77 + 7 \times (7 \times (7 \times 7 + 7)) - 7 \\
&:= ((8 + 8)/8) \times (88 \times (8 + 8) - 8/8) \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2815 &:= 11 \times (1 + 1)^{(1+1)^{1+1+1}} - 1 \\
&:= ((22 \times 2^{2 \times (2+2)}) - 2)/2 \\
&:= ((33/3 + 3)^3) + (((3 + 3)^3 - 3)/3) \\
&:= (4 \times 4 \times 4 \times 44) - 4/4 \\
&:= 5 + (((5 \times (555 + 5)) + 5) + 5) \\
&:= 6 + ((6 \times (6 \times (66 + 6 + 6))) + 6/6) \\
&:= 7 + ((7/7 + 7) \times ((7 \times 7 \times 7 + 7/7) + 7)) \\
&:= (88 \times ((8 + 8 + 8) + 8)) - 8/8 \\
&:= 9 \times (9 + 9) \times (9 + 9) - ((9 + 9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2816 &:= 11 \times (1 + 1)^{(1+1)^{1+1+1}} \\
&:= 2 \times 22 \times 2^{2+2+2} \\
&:= 33/3 \times ((3/3 + 3)^{3/3+3}) \\
&:= 4 \times 4 \times 4 \times 44 \\
&:= 5 + ((5 \times (555 + 5)) + (55/5)) \\
&:= 6 + ((6 \times (6 \times (66 + 6 + 6))) + ((6 + 6)/6)) \\
&:= 77/7 \times (((7 + 7)/7)^{7/7+7}) \\
&:= 88 \times ((8 + 8 + 8) + 8) \\
&:= 99/9 \times (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2817 &:= 11 \times (1 + 1)^{(1+1)^{1+1+1}} + 1 \\
&:= ((22 \times 2^{2 \times (2+2)}) + 2)/2 \\
&:= 3 \times ((3^3 \times (33 + 3)) - 33) \\
&:= 4/4 + (4 \times 4 \times 4 \times 44) \\
&:= 5 + (5^5 - (5^5 + 5)/(5 + 5)) \\
&:= 6 + ((6 \times (6 \times (66 + 6 + 6))) + (6 \times 6/(6 + 6))) \\
&:= 7 + ((7 \times 7 \times (7 \times 7 + 7) - (77/7)) + 77) \\
&:= 8/8 + (88 \times ((8 + 8 + 8) + 8)) \\
&:= 9 \times (9 + 9) \times (9 + 9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2818 &:= 11 \times (1+1)^{(1+1)^{1+1+1}} + 1 + 1 \\
&:= 2 + (2 \times 22 \times 2^{2+2+2}) \\
&:= 3/3 + (33 \times 33 + (3 \times 3 + 3)^3) \\
&:= (4+4)/4 + (4 \times 4 \times 4 \times 44) \\
&:= 5 + (((5-5^5)/(5+5)) + 5^5) \\
&:= ((66-6)/6) + (6 \times (6 \times (66+6+6))) \\
&:= 777 + (((7+7)/7)^{77/7}) - 7 \\
&:= (8+8)/8 + (88 \times ((8+8+8) + 8)) \\
&:= 9/9 + (9 \times (9+9) \times (9+9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2819 &:= 11 \times (1+1)^{(1+1)^{1+1+1}} + 1 + 1 + 1 \\
&:= 2 + (((22 \times 2^{2 \times (2+2)}) + 2)/2) \\
&:= 3 + (((33/3 + 3)^3) + (3 \times (3^3 - 3))) \\
&:= 4 + ((4 \times 4 \times 4 \times 44) - 4/4) \\
&:= 55 + (5 \times 555 - (55/5)) \\
&:= 66/6 + (6 \times (6 \times (66+6+6))) \\
&:= 77 + (7 \times 7 \times (7 \times 7 + 7) - ((7+7)/7)) \\
&:= 88/8 + ((88 \times ((8+8+8) + 8)) - 8) \\
&:= (9+9)/9 + (9 \times (9+9) \times (9+9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2820 &:= (1+11) \times (11 + ((1+1) \times (1+11))) \\
&:= 2 \times (22 \times 2^{2+2+2} + 2) \\
&:= 3 + (33 \times 33 + (3 \times 3 + 3)^3) \\
&:= 4 + (4 \times 4 \times 4 \times 44) \\
&:= 5^5 - ((5 \times (55+5)) + 5) \\
&:= 6 + ((6 \times (6 \times (66+6+6))) + 6) \\
&:= 77 + (7 \times 7 \times (7 \times 7 + 7) - 7/7) \\
&:= ((8 \times 8 \times 88) + 8)/((8+8)/8) \\
&:= (9/9 + 9) \times ((999/9 + 9 \times (9+9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2821 &:= 1 + ((1+11) \times (11 + ((1+1) \times (1+11)))) \\
&:= 2 + (((22 \times 2^{2 \times (2+2)}) + 2)/2) + 2 \\
&:= 3333 - ((3-3/3)^{3 \times 3}) \\
&:= 4 + ((4 \times 4 \times 4 \times 44) + 4/4) \\
&:= 5^5 + (5/5 - ((5 \times (55+5)) + 5)) \\
&:= (6/6 + 6) \times ((6 \times 66 + 6/6) + 6) \\
&:= 77 + 7 \times 7 \times (7 \times 7 + 7) \\
&:= 8/8 + (((8 \times 8 \times 88) + 8)/((8+8)/8)) \\
&:= ((9/9 + 9 \times 9) + 9) \times (((99 + 99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2822 &:= (1 + (11 \times (1 + (1+1)^{11-1-1}))) / (1+1) \\
&:= 2 + (2 \times (22 \times 2^{2+2+2} + 2)) \\
&:= 3 \times 3^3 + (((33/3 + 3)^3) - 3) \\
&:= 4 + ((4 \times 4 \times 4 \times 44) + (4+4)/4) \\
&:= 5 + ((5^5 - (5^5 + 5)/(5+5)) + 5) \\
&:= 6 + (((6 \times (6 \times (66+6+6))) + ((6+6)/6)) + 6) \\
&:= 7/7 + 7 \times 7 \times (7 \times 7 + 7) + 77 \\
&:= 8 + (((8+8)/8) \times (88 \times (8+8) - 8/8)) \\
&:= 9 + ((99/9 + 9 + 9) \times (99 - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2823 &:= 1 + ((1 + (11 \times (1 + (1+1)^{11-1-1})))) / (1+1) \\
&:= (2 \times (2 \times (222 + 22^2))) - 2/2 \\
&:= (3 \times (((3+3)^3 - 3) + 3^{3+3})) - 3 \\
&:= (44/4 \times (4/4 + 4^4)) - 4 \\
&:= 5 + (((5-5^5)/(5+5)) + 5^5 + 5) \\
&:= 6 + (((6 \times (6 \times (66+6+6))) + (6 \times 6/(6+6))) + 6) \\
&:= 7 + (77/7 \times (((7+7)/7)^{7+7/7})) \\
&:= 8 + ((88 \times ((8+8+8) + 8)) - 8/8) \\
&:= (9 \times ((9+9) \times (9+9) - 9)) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2824 &:= ((1+1+111) \times (1 + ((1+1) \times (1+11)))) - 1 \\
&:= 2 \times (2 \times (222 + 22^2)) \\
&:= 3 + (3333 - ((3-3/3)^{3 \times 3})) \\
&:= 4 + ((4 \times 4 \times 4 \times 44) + 4) \\
&:= 5^5 - ((5 \times (55+5)) + 5/5) \\
&:= 6 + ((6 \times (6 \times (66+6+6))) + ((66-6)/6)) \\
&:= (7/7 + 7) \times (((77-7)/7) + 7 \times 7 \times 7) \\
&:= 8 + (88 \times ((8+8+8) + 8)) \\
&:= (9 \times ((9+9) \times (9+9) - 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2825 &:= (1+1+111) \times (1 + ((1+1) \times (1+11))) \\
&:= 2/2 + (2 \times (2 \times (222 + 22^2))) \\
&:= 3 \times 3^3 + ((33/3 + 3)^3) \\
&:= 4 + (((4 \times 4 \times 4 \times 44) + 4/4) + 4) \\
&:= 5 \times (555 + 5 + 5) \\
&:= 6 + ((6 \times (6 \times (66+6+6))) + (66/6)) \\
&:= 777 + (((7+7)/7)^{77/7}) \\
&:= 8 + ((88 \times ((8+8+8) + 8)) + 8/8) \\
&:= (9 \times ((9+9) \times (9+9) - 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2826 &:= 11 \times (1 + (1+1)^{(1+1)^{1+1+1}}) - 1 \\
&:= 2 + (2 \times (2 \times (222 + 22^2))) \\
&:= 3 \times (((3+3)^3 - 3) + 3^{3+3}) \\
&:= (44-4)/4 + (4 \times 4 \times 4 \times 44) \\
&:= 5^5 + (5/5 - (5 \times (55+5))) \\
&:= 666 + 6 \times 6 \times (66-6) \\
&:= (7-7/7) \times (((7+7)/7)^7 + 7 \times 7 \times 7) \\
&:= 8 + ((88 \times ((8+8+8) + 8)) + ((8+8)/8)) \\
&:= (9 \times ((9+9) \times (9+9) - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2827 &:= 11 \times (1 + (1+1)^{(1+1)^{1+1+1}}) \\
&:= 22/2 \times (2^{2 \times (2+2)} + 2/2) \\
&:= 3/3 + (3 \times (((3+3)^3 - 3) + 3^{3+3})) \\
&:= 44/4 \times (4/4 + 4^4) \\
&:= 5^5 + ((5+5)/5 - (5 \times (55+5))) \\
&:= 6 + ((6/6 + 6) \times ((6 \times 66 + 6/6) + 6)) \\
&:= 7 + ((7 \times 7 \times (7 \times 7 + 7) - 7/7) + 77) \\
&:= 88/8 + (88 \times ((8+8+8) + 8)) \\
&:= 9/9 + ((9 \times ((9+9) \times (9+9) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2828 &:= 11 \times (1 + (1+1)^{(1+1)^{1+1+1}}) + 1 \\
&:= 2 \times ((2 \times (222 + 22^2)) + 2) \\
&:= 3 + (((33/3 + 3)^3) + 3 \times 3^3) \\
&:= 4 + 4 \times 4 \times 4 \times 44 + 4 + 4 \\
&:= 55 + (5 \times 555 - ((5+5)/5)) \\
&:= (6/6 + 6) \times (((6+6)/6) + 6 \times 66 + 6) \\
&:= 7 + 7 \times 7 \times (7 \times 7 + 7) + 77 \\
&:= 8 + (((8 \times 8 \times 88) + 8)/((8+8)/8)) \\
&:= (9+9)/9 + ((9 \times ((9+9) \times (9+9) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2829 &:= (1 + (11 + 11)) \times (1 + (1 + 11^{1+1})) \\
&:= (22 + 2/2) \times ((22/2)^2 + 2) \\
&:= 3 + (3 \times (((3+3)^3 - 3) + 3^{3+3})) \\
&:= 4/4 + 4 \times (4 \times 4 \times 44 + 4) - 4 \\
&:= 55 + (5 \times 555 - 5/5) \\
&:= ((66/6 + 6) + 6) \times ((666/6 + 6) + 6) \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7) + 77 + 7/7) \\
&:= 8 + (((8 \times 8 \times 88) + 8)/((8+8)/8)) + 8/8 \\
&:= ((99+9)/9) + (9 \times (9+9) \times (9+9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2830 &:= 1 + ((1 + (11 + 11)) \times (1 + (1 + 11^{1+1}))) \\
&:= 2 + (2 \times ((2 \times (222 + 22^2)) + 2)) \\
&:= 3 + ((3 \times (((3+3)^3 - 3) + 3^{3+3})) + 3/3) \\
&:= 4 \times (4 \times 4 \times 44 + 4) - (4+4)/4 \\
&:= 55 + 5 \times 555 \\
&:= ((6+6)/6)^6 + ((66 \times (6 \times 6 + 6)) - 6) \\
&:= 7 + ((77/7 \times (((7+7)/7)^{7+7/7})) + 7) \\
&:= ((8+8)/8) \times ((88 \times (8+8) - 8/8) + 8) \\
&:= ((9-99)/(9+9)) + (9 \times ((9+9) \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2831 &:= 1 + (1 + ((1 + (11 + 11)) \times (1 + (1 + 11^{1+1})))) \\
&:= 2 + ((22 + 2/2) \times ((22/2)^2 + 2)) \\
&:= 3 + (((33/3 + 3)^3) + 3 \times 3^3) + 3 \\
&:= 4 + 44/4 \times (4/4 + 4^4) \\
&:= 55 + (5 \times 555 + 5/5) \\
&:= 66 + ((6/6 + 6) \times (6 \times 66 - 6/6)) \\
&:= (7 \times (7 \times (7 \times 7 + 7) + 7 + 7)) - 77/7 \\
&:= 8 + (((88 \times ((8+8+8) + 8)) - 8/8) + 8) \\
&:= ((9-9 \times 9)/(9+9)) + (9 \times ((9+9) \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2832 &:= (1+1) \times ((1+11) \times (11^{1+1} - (1+1+1))) \\
&:= 2 \times (2 \times ((222 + 22^2) + 2)) \\
&:= (3 \times (3^{3+3} + (3+3)^3)) - 3 \\
&:= 4 \times (4 \times 4 \times 44 + 4) \\
&:= 55 + (5 \times 555 + ((5+5)/5)) \\
&:= 66 + ((66 \times (6 \times 6 + 6)) - 6) \\
&:= (7/7 + 7) \times (7 \times 7 \times 7 + (77/7)) \\
&:= 8 + ((88 \times ((8+8+8) + 8)) + 8) \\
&:= (9 \times ((9+9) \times (9+9) - 9)) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2833 &:= ((1+1) \times ((1+1+11) \times (111-1-1))) - 1 \\
&:= ((22+2/2)^2) + ((2 \times (22+2))^2) \\
&:= 3/3 + ((3 \times (3^{3+3} + (3+3)^3)) - 3) \\
&:= 4/4 + 4 \times (4 \times 4 \times 44 + 4) \\
&:= 5 + ((5 \times 555 - ((5+5)/5)) + 55) \\
&:= 66 + (((66 \times (6 \times 6 + 6)) - 6) + 6/6) \\
&:= 7 + ((7-7/7) \times (((7+7)/7)^7 + 7 \times 7 \times 7)) \\
&:= 8 + (((88 \times ((8+8+8) + 8)) + 8/8) + 8) \\
&:= (9 \times ((9+9) \times (9+9) - 9)) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2834 &:= (1+1) \times ((1+1+11) \times (111-1-1)) \\
&:= (22/2+2) \times (222 - (2+2)) \\
&:= (3 \times (3^3+3)) + ((33/3+3)^3) \\
&:= (4+4)/4 + 4 \times (4 \times 4 \times 44 + 4) \\
&:= 5 + ((5 \times 555 - 5/5) + 55) \\
&:= (6/6+6+6) \times (6 \times 6 \times 6 + (6+6)/6) \\
&:= 777 + 7 \times 7 \times (7 \times 7 - 7) - 7/7 \\
&:= ((8+8)/8) \times ((88 \times (8+8) + 8/8) + 8) \\
&:= (9 \times ((9+9) \times (9+9) - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2835 &:= 1 + ((1+1) \times ((1+1+11) \times (111-1-1))) \\
&:= (((22 \times (2^{2 \times (2+2)} + 2)) - 2)/2) - 2 \\
&:= 3 \times (3^{3+3} + (3+3)^3) \\
&:= (44+4/4) \times (4^4 - 4)/4 \\
&:= 5 + (5 \times 555 + 55) \\
&:= 66 + ((66 \times (6 \times 6 + 6)) - (6 \times 6/(6+6))) \\
&:= 777 + 7 \times 7 \times (7 \times 7 - 7) \\
&:= 8 + ((88 \times ((8+8+8) + 8)) + (88/8)) \\
&:= 9 \times ((9+9) \times (9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2836 &:= (1+1) \times (1 + ((1+1+11) \times (111-1-1))) \\
&:= (22 \times 222) - 2^{22/2} \\
&:= 3/3 + (3 \times (3^{3+3} + (3+3)^3)) \\
&:= 4 + 4 \times (4 \times 4 \times 44 + 4) \\
&:= 5 + ((5 \times 555 + 55) + 5/5) \\
&:= ((6+6)/6)^6 + (66 \times (6 \times 6 + 6)) \\
&:= 7/7 + (7 \times 7 \times (7 \times 7 - 7) + 777) \\
&:= 8 + (((8 \times 8 \times 88) + 8)/((8+8)/8) + 8) \\
&:= 9/9 + (9 \times ((9+9) \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2837 &:= 1111 + (((1+11)^{1+1+1}) - (1+1)) \\
&:= ((22 \times (2^{2 \times (2+2)} + 2)) - 2)/2 \\
&:= 3 + (((33/3+3)^3) + (3 \times (3^3+3))) \\
&:= 4 + 4 \times (4 \times 4 \times 44 + 4) + 4/4 \\
&:= 5 \times 5 + (5^5 - (5^5+5)/(5+5)) \\
&:= 66 + ((66 \times (6 \times 6 + 6)) - 6/6) \\
&:= 77 + ((7/7+7) \times (7 \times 7 \times 7 + ((7+7)/7))) \\
&:= (8 \times ((8 \times 88 + 8)/((8+8)/8))) - 88/8 \\
&:= (9+9)/9 + (9 \times ((9+9) \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2838 &:= 11 \times (1+1 + (1+1)^{(1+1)^{1+1+1}}) \\
&:= 22 \times ((2^{2 \times (2+2)} + 2)/2) \\
&:= 3 + (3 \times (3^{3+3} + (3+3)^3)) \\
&:= 44/4 \times ((4+4)/4 + 4^4) \\
&:= 5 \times 5 + (((5-5^5)/(5+5)) + 5^5) \\
&:= 66 + (66 \times (6 \times 6 + 6)) \\
&:= ((7/7-7) + 7 \times 7) \times (77 - 77/7) \\
&:= ((8+8)/8) \times (88 \times (8+8) + 88/8) \\
&:= ((9+9+9)/9) + (9 \times ((9+9) \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2839 &:= 1111 + ((1+11)^{1+1+1}) \\
&:= ((22 \times (2^{2 \times (2+2)} + 2)) + 2)/2 \\
&:= (3 \times 3 + 3)^3 + 3333/3 \\
&:= 4 + (44 + 4/4) \times (4^4 - 4)/4 \\
&:= 5^5 - (5 \times 55 + (55/5)) \\
&:= 66 + ((66 \times (6 \times 6 + 6)) + 6/6) \\
&:= 7 + ((7/7+7) \times (7 \times 7 \times 7 + (77/7))) \\
&:= 8 + (((88 \times ((8+8+8) + 8)) - 8/8) + 8) + 8 \\
&:= 9 \times 9 \times 9 + (9999/9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2840 &:= 1 + (1111 + ((1+11)^{1+1+1})) \\
&:= 2 + (22 \times ((2^{2 \times (2+2)} + 2)/2)) \\
&:= 3 \times 33 + (((33/3+3)^3) - 3) \\
&:= 4 + 4 \times (4 \times 4 \times 44 + 4) + 4 \\
&:= 5^5 - ((5 \times 55 + 5) + 5) \\
&:= 66 + ((66 \times (6 \times 6 + 6)) + ((6+6)/6)) \\
&:= (7/7+7) \times ((77+7)/7 + 7 \times 7 \times 7) \\
&:= 8 + (((88 \times ((8+8+8) + 8)) + 8) + 8) \\
&:= 9 \times 99 + (((9+9)/9)^{99/9} - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2841 &:= 1 + (1 + (1111 + ((1+11)^{1+1+1}))) \\
&:= 2 + (((22 \times (2^{2 \times (2+2)} + 2)) + 2)/2) \\
&:= 3 + ((3 \times (3^{3+3} + (3+3)^3)) + 3) \\
&:= 444 + (((4-4/4) + 4)^4) - 4 \\
&:= 55 + (5 \times 555 + (55/5)) \\
&:= 66 + ((66 \times (6 \times 6 + 6)) + (6 \times 6/(6+6))) \\
&:= (7 \times (7 \times (7 \times 7 + 7) + 7 + 7)) - 7/7 \\
&:= 8 + (((88 \times ((8+8+8) + 8)) + 8/8) + 8) + 8 \\
&:= 9 + (9 \times ((9+9) \times (9+9) - 9)) - ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2842 &:= 1 + (1 + (1 + (1111 + ((1+11)^{1+1+1})))) \\
&:= 2 + ((22 \times (2^{2 \times (2+2)} + 2)/2) + 2) \\
&:= 3 + (3333/3 + (3 \times 3 + 3)^3) \\
&:= 4 + (44/4 \times ((4+4)/4 + 4^4)) \\
&:= 5 + ((5 \times 5 - (5^5+5)/(5+5)) + 5^5) \\
&:= 6 + ((66 \times (6 \times 6 + 6)) + ((6+6)/6)^6) \\
&:= 7 \times (7 \times (7 \times 7 + 7) + 7 + 7) \\
&:= 8 + (((8+8)/8) \times ((88 \times (8+8) + 8/8) + 8)) \\
&:= (99 - 9/9) \times (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2843 &:= ((1+11) \times (11 + ((1+1) \times (1+1+11)))) - 1 \\
&:= 2 + (((22 \times (2^{2 \times (2+2)} + 2)) + 2)/2) + 2 \\
&:= 3 \times 33 + ((33/3+3)^3) \\
&:= 4 \times 4 + (44/4 \times (4/4 + 4^4)) \\
&:= 5^5 - ((5 \times 55 + ((5+5)/5)) + 5) \\
&:= (6 \times ((6 \times (66+6+6)) + 6)) - 6/6 \\
&:= 7/7 + (7 \times (7 \times (7 \times 7 + 7) + 7 + 7)) \\
&:= 8 + (((88 \times ((8+8+8) + 8)) + (88/8)) + 8) \\
&:= 9 + ((9 \times ((9+9) \times (9+9) - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2844 &:= (1+11) \times (11 + ((1+1) \times (1+1+11))) \\
&:= 2 \times (((2+2+2)^2 + 2)^2 - 22) \\
&:= 3 \times ((3^{3+3} + (3+3)^3) + 3) \\
&:= 44 + (4 \times (444 + 4^4)) \\
&:= 5^5 - ((5 \times 55 + 5/5) + 5) \\
&:= 6 \times ((6 \times (66+6+6)) + 6) \\
&:= (7+7)/7 + (7 \times (7 \times (7 \times 7 + 7) + 7 + 7)) \\
&:= ((8 \times (8 \times 88 + 8)) - 8)/((8+8)/8) \\
&:= 9 + (9 \times ((9+9) \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2845 &:= 1 + ((1+11) \times (11 + ((1+1) \times (1+1+11)))) \\
&:= 2/2 + (2 \times (((2+2+2)^2 + 2)^2 - 22)) \\
&:= 3/3 + (3 \times ((3^{3+3} + (3+3)^3) + 3)) \\
&:= 444 + (((4-4/4) + 4)^4) \\
&:= 5^5 - (5 \times 55 + 5) \\
&:= 6/6 + (6 \times ((6 \times (66+6+6)) + 6)) \\
&:= 7 + (((7/7-7) + 7 \times 7) \times (77 - 77/7)) \\
&:= 8/8 + (((8 \times (8 \times 88 + 8)) - 8)/((8+8)/8)) \\
&:= 9 + ((9 \times ((9+9) \times (9+9) - 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2846 &:= ((1+1+11) \times (((1+1) \times (111-1-1)) - 1)) - 1 \\
&:= 2 + (2 \times (((2+2+2)^2 + 2)^2 - 22)) \\
&:= 3 + (((33/3+3)^3) + 3 \times 33) \\
&:= 4 + ((44/4 \times ((4+4)/4 + 4^4)) + 4) \\
&:= 5^5 + (5/5 - (5 \times 55 + 5)) \\
&:= (6+6)/6 + (6 \times ((6 \times (66+6+6)) + 6)) \\
&:= 7 + (((7/7+7) \times (7 \times 7 \times 7 + (77/7))) + 7) \\
&:= 8 + (((8+8)/8) \times (88 \times (8+8) + 88/8)) \\
&:= 99/9 + (9 \times ((9+9) \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2847 &:= (1+1+11) \times (((1+1) \times (111-1-1)) - 1) \\
&:= 2222 + ((2/2+2+2)^{2+2}) \\
&:= 3 + (3 \times ((3^{3+3} + (3+3)^3) + 3)) \\
&:= 4 \times (4 \times 4 \times 44 + 4 + 4) - 4/4 \\
&:= 5^5 + ((5+5)/5 - (5 \times 55 + 5)) \\
&:= 666 + ((66 \times 66 + 6)/((6+6)/6)) \\
&:= 7 + ((7/7+7) \times ((77+7)/7 + 7 \times 7 \times 7)) \\
&:= (8 \times ((8 \times 88 + 8)/((8+8)/8))) - 8/8 \\
&:= ((99+9)/9) + (9 \times ((9+9) \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2848 &:= 1 + ((1 + 1 + 11) \times (((1 + 1) \times (111 - 1)) - 1)) \\
&:= 2^{2+2} \times ((2 \times 2 \times 2 \times 22) + 2) \\
&:= (33 - 3/3) \times ((3 \times (3^3 + 3)) - 3/3) \\
&:= 4 \times (4 \times 4 \times 44 + 4 + 4) \\
&:= 5^5 - (5 \times 55 + ((5 + 5)/5)) \\
&:= 6 + (((66 \times (6 \times 6 + 6)) + ((6 + 6)/6)^6) + 6) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 + 7) + 7 + 7)) - 7/7) \\
&:= 8 \times ((8 \times 88 + 8)/((8 + 8)/8)) \\
&:= (9 - 9/9) \times (((9 \times 9 \times 9 \times 9) + 9)/(9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2849 &:= 11 \times (1 + 1 + 1 + (1 + 1)^{(1+1)^{1+1+1}}) \\
&:= 22/2 \times ((2^{2 \times (2+2)} + 2/2) + 2) \\
&:= 3 + (((33/3 + 3)^3) + 3 \times 33 + 3) \\
&:= 44/4 \times ((4^4 - 4/4) + 4) \\
&:= 5^5 - (5 \times 55 + 5/5) \\
&:= (6/6 + 6) \times (6 \times 66 + (66/6)) \\
&:= 7 + (7 \times (7 \times (7 \times 7 + 7) + 7 + 7)) \\
&:= 8/8 + (8 \times ((8 \times 88 + 8)/((8 + 8)/8))) \\
&:= 99/9 \times ((9 \times (9 + 9) - ((9 + 9)/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2850 &:= 11 + (1111 + ((1 + 11)^{1+1+1})) \\
&:= 2 + 2 \times (22 - 2)^2 + 2^{22/2} \\
&:= (3^3 + 3) \times (3 \times 33 - (3/3 + 3)) \\
&:= 4/4 + (44/4 \times ((4^4 - 4/4) + 4)) \\
&:= 5^5 - 5 \times 55 \\
&:= 6 + (6 \times ((6 \times (66 + 6 + 6)) + 6)) \\
&:= (7/7 + 7 \times 7) \times ((7/7 + 7 \times 7) + 7) \\
&:= (8 + 8)/8 + (8 \times ((8 \times 88 + 8)/((8 + 8)/8))) \\
&:= (9/9 + 9 + 9) \times (9 \times (9 + 9) - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2851 &:= 1 + (11 + (1111 + ((1 + 11)^{1+1+1}))) \\
&:= 2 + (22/2 \times ((2^{2 \times (2+2)} + 2/2) + 2)) \\
&:= 3 + ((33 - 3/3) \times ((3 \times (3^3 + 3)) - 3/3)) \\
&:= 4 + 4 \times (4 \times 4 \times 44 + 4 + 4) - 4/4 \\
&:= 5^5 + (5/5 - 5 \times 55) \\
&:= 6 + ((6 \times ((6 \times (66 + 6 + 6)) + 6)) + 6/6) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 + 7) + 7 + 7)) + ((7 + 7)/7)) \\
&:= (((8 \times (8 \times 88 + 8)) + 8)/((8 + 8)/8)) - 8/8 \\
&:= 9 + ((99 - 9/9) \times (99/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2852 &:= (1 + (11 + 11)) \times (1 + (1 + (1 + 11)^{1+1})) \\
&:= ((2 \times 22) + 2) \times (2^{2+2+2} - 2) \\
&:= (3 \times (33 + 3)) + ((33/3 + 3)^3) \\
&:= 4 + 4 \times (4 \times 4 \times 44 + 4 + 4) \\
&:= 5^5 + ((5 + 5)/5 - 5 \times 55) \\
&:= 6 + ((6 \times ((6 \times (66 + 6 + 6)) + 6)) + ((6 + 6)/6)) \\
&:= 77 + (((7 + 7 + 7)/7)^7 + 7 \times (77 + 7)) \\
&:= ((8 \times (8 \times 88 + 8)) + 8)/((8 + 8)/8) \\
&:= 9 + (((9 \times (9 + 9) \times (9 + 9) - 9)) - 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2853 &:= ((1 + 1)^{1+1+1}) - (11 \times (1 + 1 + 111)) \\
&:= 2/2 + (((2 \times 22) + 2) \times (2^{2+2+2} - 2)) \\
&:= 3 \times (((3^{3+3} + (3 + 3)^3) + 3) + 3) \\
&:= 4 + (44/4 \times ((4^4 - 4/4) + 4)) \\
&:= 5 + (5^5 - (5 \times 55 + ((5 + 5)/5))) \\
&:= 666 + ((6 \times 6)/(6 + 6))^{6/6+6} \\
&:= 77/7 + (7 \times (7 \times (7 \times 7 + 7) + 7 + 7)) \\
&:= 8/8 + (((8 \times (8 \times 88 + 8)) + 8)/((8 + 8)/8)) \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2854 &:= (1 + 1) \times (((1 + 11) \times (11^{1+1} - (1 + 1))) - 1) \\
&:= ((22 + 2) \times ((22/2)^2 - 2)) - 2 \\
&:= ((33/3 + 3)^3) + ((333 - 3)/3) \\
&:= 4 \times 4 + (44/4 \times ((4 + 4)/4 + 4^4)) \\
&:= 5 + (5^5 - (5 \times 55 + 5/5)) \\
&:= ((66 - 6)/6) + (6 \times ((6 \times (66 + 6 + 6)) + 6)) \\
&:= 7 \times 7 \times (7 \times 7 + 7) + (777 - 7)/7 \\
&:= ((8 + 8)/8) \times ((88 \times (8 + 8) + 88/8) + 8) \\
&:= 9 + (((9 \times (9 + 9) \times (9 + 9) - 9)) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2855 &:= 111 + (1 + 1 + 1 + 11)^{1+1+1} \\
&:= ((22 + 2) \times ((22/2)^2 - 2)) - 2/2 \\
&:= 333/3 + ((33/3 + 3)^3) \\
&:= (44 \times (4^4 + 4)/4) - (4/4 + 4) \\
&:= 5 + (5^5 - 5 \times 55) \\
&:= 6 + ((6/6 + 6) \times (6 \times 66 + (66/6))) \\
&:= 777/7 + 7 \times 7 \times (7 \times 7 + 7) \\
&:= ((8 + 8 + 8) \times (888/8 + 8)) - 8/8 \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9) - 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2856 &:= (1 + 1) \times ((1 + 11) \times (11^{1+1} - (1 + 1))) \\
&:= (22 + 2) \times ((22/2)^2 - 2) \\
&:= (3^3 + 3/3) \times (3 \times 33 + 3) \\
&:= (44 \times (4^4 + 4)/4) - 4 \\
&:= 5 + ((5/5 - 5 \times 55) + 5^5) \\
&:= (6/6 + 6) \times (6 \times 66 + 6 + 6) \\
&:= (7/7 + 7) \times (7 \times 7 \times 7 + 7 + 7) \\
&:= (8 + 8 + 8) \times (888/8 + 8) \\
&:= ((9/9 + 9 + 9) + 9) \times (999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2857 &:= 1 + ((1 + 1) \times ((1 + 11) \times (11^{1+1} - (1 + 1)))) \\
&:= 2/2 + ((22 + 2) \times ((22/2)^2 - 2)) \\
&:= 3/3 + ((3^3 + 3/3) \times (3 \times 33 + 3)) \\
&:= 4/4 + ((44 \times (4^4 + 4)/4) - 4) \\
&:= 5 + (((5 + 5)/5 - 5 \times 55) + 5^5) \\
&:= 6/6 + ((6/6 + 6) \times (6 \times 66 + 6 + 6)) \\
&:= 7 + ((7/7 + 7 \times 7) \times ((7/7 + 7 \times 7) + 7)) \\
&:= 8/8 + ((8 + 8 + 8) \times (888/8 + 8)) \\
&:= ((99 + 99)/9) + (9 \times ((9 + 9) \times (9 + 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2858 &:= (1 + 1) \times (((1 + 1 + 11) \times (111 - 1)) - 1) \\
&:= 2 + ((22 + 2) \times ((22/2)^2 - 2)) \\
&:= 3 + (((33/3 + 3)^3) + 333/3) \\
&:= (44 \times (4^4 + 4)/4) - (4 + 4)/4 \\
&:= 5 + ((5^5 - (5 \times 55 + ((5 + 5)/5))) + 5) \\
&:= (6 + 6)/6 + ((6/6 + 6) \times (6 \times 66 + 6 + 6)) \\
&:= 7 \times 7 + (((77/7 - 7) + 7 \times 7)^{(7+7)/7}) \\
&:= (8 + 8)/8 + ((8 + 8 + 8) \times (888/8 + 8)) \\
&:= 9 \times (9 \times 9 + 9) + (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2859 &:= ((1 + 1) \times ((1 + 1 + 11) \times (111 - 1))) - 1 \\
&:= (22 \times ((2 \times 2^{2+2+2}) + 2)) - 2/2 \\
&:= 3 + ((3^3 + 3/3) \times (3 \times 33 + 3)) \\
&:= (44 \times (4^4 + 4)/4) - 4/4 \\
&:= 5 + ((5^5 - (5 \times 55 + 5/5)) + 5) \\
&:= 6 + (((6 \times 6)/(6 + 6))^{6/6+6} + 666) \\
&:= 77 + (7 \times (7 \times (7 \times 7 + 7) + 7) - (77/7)) \\
&:= 88/8 + (8 \times ((8 \times 88 + 8)/((8 + 8)/8))) \\
&:= (99 \times (99/9 + 9 + 9)) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2860 &:= (1 + 1) \times ((1 + 1 + 11) \times (111 - 1)) \\
&:= 22 \times ((2 \times 2^{2+2+2}) + 2) \\
&:= (3^3 - 3/3) \times ((333 - 3)/3) \\
&:= 44 \times (4^4 + 4)/4 \\
&:= 5 + ((5^5 - 5 \times 55) + 5) \\
&:= (66 - 6/6) \times (((6 + 6)/6 + 6 \times 6) + 6) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 + 7) + 7 + 7)) + (77/7)) \\
&:= (8/8 + 8 \times 8) \times (88/((8 + 8)/8)) \\
&:= 99/9 \times ((9 \times (9 + 9) - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2861 &:= 1 + ((1 + 1) \times ((1 + 1 + 11) \times (111 - 1))) \\
&:= 2/2 + (22 \times ((2 \times 2^{2+2+2}) + 2)) \\
&:= ((33/3 + 3)^3) + (3 \times (33 + 3 + 3)) \\
&:= 4/4 + (44 \times (4^4 + 4)/4) \\
&:= 5^5 + (55/5 - 5 \times 55) \\
&:= 6 + (((6/6 + 6) \times (6 \times 66 + (66/6))) + 6) \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7) + (777 - 7)/7) \\
&:= 8/8 + ((8/8 + 8 \times 8) \times (88/((8 + 8)/8))) \\
&:= (((9 + 9)/9)^9) + 9 \times (9 \times (9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2862 &:= (1 + 1) \times (1 + ((1 + 1 + 11) \times (111 - 1))) \\
&:= 2 + (22 \times ((2 \times 2^{2+2+2}) + 2)) \\
&:= 3 \times ((3 + 3) \times ((3 + 3) \times 3^3 - 3)) \\
&:= (4 + 4)/4 + (44 \times (4^4 + 4)/4) \\
&:= 5^5 + (((55 + 5)/5) - 5 \times 55) \\
&:= 6 + ((6/6 + 6) \times (6 \times 66 + 6 + 6)) \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7) + 777/7) \\
&:= (8 \times 8 - 88/8) \times ((8 - 88)/8 + 8 \times 8) \\
&:= (99 \times (99/9 + 9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2863 &:= 1 + ((1 + 1) \times (1 + ((1 + 1 + 11) \times (111 - 1)))) \\
&:= 2 + ((22 \times ((2 \times 2^{2+2+2}) + 2)) + 2/2) \\
&:= 3 + ((3^3 - 3/3) \times ((333 - 3)/3)) \\
&:= 4 + ((44 \times (4^4 + 4)/4) - 4/4) \\
&:= 55 + (((5 - 5^5)/(5 + 5)) - 5) + 5^5 \\
&:= (6/6 + 6) \times (((6 \times 66 + 6/6) + 6) + 6) \\
&:= 7 \times (7 \times 7 \times 7 + 77) - 77 \\
&:= 8 + (((8 + 8 + 8) \times (888/8 + 8)) - 8/8) \\
&:= 9/9 + ((99 \times (99/9 + 9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2864 &:= (1 + 1) \times ((111 \times (1 + 1 + 11)) - 11) \\
&:= (222 \times (22/2 + 2)) - 22 \\
&:= 3 + (((33/3 + 3)^3) + (3 \times (33 + 3 + 3))) \\
&:= 4 + (44 \times (4^4 + 4)/4) \\
&:= 5^5 + ((5 \times (5 - 55)) - (55/5)) \\
&:= ((6 + 6)/6 + 6) \times (6 \times (66 - 6) - ((6 + 6)/6)) \\
&:= 7/7 + (7 \times (7 \times 7 \times 7 + 77) - 77) \\
&:= 8 + ((8 + 8 + 8) \times (888/8 + 8)) \\
&:= 9 + (((9 \times (9 + 9) \times (9 + 9) - 9)) + (99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2865 &:= 1 + ((1 + 1) \times ((111 \times (1 + 1 + 11)) - 11)) \\
&:= 2/2 + ((222 \times (22/2 + 2)) - 22) \\
&:= 3 + (3 \times ((3 + 3) \times ((3 + 3) \times 3^3 - 3))) \\
&:= 4 + ((44 \times (4^4 + 4)/4) + 4/4) \\
&:= 5 + (((5^5 - 5 \times 55) + 5) + 5) \\
&:= 6 + (((6 \times 6/(6 + 6))^{6/6+6}) + 666) + 6) \\
&:= ((7 + 7)/7)^7 + 7 \times (7 \times (7 \times 7 + 7)) - 7 \\
&:= (8 - 8/8 + 8) \times (8 \times (8 + 8 + 8) - 8/8) \\
&:= 999/9 + (9 + 9) \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2866 &:= (1 + 1) \times (1 + ((111 \times (1 + 1 + 11)) - 11)) \\
&:= (2 \times ((2 + 2 + 2)^2 + 2)^2) - 22 \\
&:= 3 + (((3^3 - 3/3) \times ((333 - 3)/3)) + 3) \\
&:= 4 + ((44 \times (4^4 + 4)/4) + (4 + 4)/4) \\
&:= 5 + ((55/5 - 5 \times 55) + 5^5) \\
&:= 6 + ((66 - 6/6) \times (((6 + 6)/6 + 6 \times 6) + 6)) \\
&:= (7 \times 7 \times (7 + 7)) + (((7 + 7 + 7)/7)^7 - 7) \\
&:= 8 + (((8 + 8 + 8) \times (888/8 + 8)) + ((8 + 8)/8)) \\
&:= ((999 + 9)/9) + (9 + 9) \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2867 &:= ((1 + 11) \times (((1 + 1) \times (11^{1+1} - 1)) - 1)) - 1 \\
&:= 2/2 + ((2 \times ((2 + 2 + 2)^2 + 2)^2) - 22) \\
&:= (33/3)^3 + (3 \times ((3 - 3/3)^{3 \times 3})) \\
&:= (44/4 \times ((4/4 + 4^4) + 4)) - 4 \\
&:= 55 + (5^5 - (5^5 + 5)/(5 + 5)) \\
&:= (66/6 + 6 \times 6) \times (66 - 6 + 6/6) \\
&:= 77/7 + ((7/7 + 7) \times (7 \times 7 \times 7 + 7 + 7)) \\
&:= 88/8 + ((8 + 8 + 8) \times (888/8 + 8)) \\
&:= 9 + (((9 + 9)/9)^{99/9} + 9 \times (9 \times 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2868 &:= (1 + 11) \times (((1 + 1) \times (11^{1+1} - 1)) - 1) \\
&:= (2 + 2 + 2) \times (22^2 - (2 + 2 + 2)) \\
&:= (33 \times (3 \times 3^3 + 3 + 3)) - 3 \\
&:= 4 + ((44 \times (4^4 + 4)/4) + 4) \\
&:= 55 + (((5 - 5^5)/(5 + 5)) + 5^5) \\
&:= 66 + ((6 \times (6 \times (66 + 6 + 6))) - 6) \\
&:= 77 + (7 \times (7 \times (7 \times 7 + 7) + 7) - ((7 + 7)/7)) \\
&:= 8 + ((8/8 + 8 \times 8) \times (88/(8 + 8)/8)) \\
&:= (99 \times (99/9 + 9 + 9)) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2869 &:= 1 + ((1 + 11) \times (((1 + 1) \times (11^{1+1} - 1)) - 1)) \\
&:= 2/2 + ((2 + 2 + 2) \times (22^2 - (2 + 2 + 2))) \\
&:= 3/3 + ((33 \times (3 \times 3^3 + 3 + 3)) - 3) \\
&:= ((4/4 + 4)^{4+4/4}) - 4^4 \\
&:= 5^5 - ((5 - 5/5)^{5-5/5}) \\
&:= ((66 - 6) \times (6 \times 6 + 6 + 6)) - 66/6 \\
&:= 77 + (7 \times (7 \times (7 \times 7 + 7) + 7) - 7/7) \\
&:= (88/8 + 8) \times ((88 - 8/8) + 8 \times 8) \\
&:= (9/9 + 9 + 9) \times (9 \times (9 + 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2870 &:= (11 - 1) \times (((1 + 1) \times (1 + 11))^{1+1}) - 1 \\
&:= (2/2 + 2 + 2) \times (((22 + 2)^2) - 2) \\
&:= (33 \times (3 \times 3^3 + 3 + 3)) - 3/3 \\
&:= 4/4 + (((4/4 + 4)^{4+4/4}) - 4^4) \\
&:= 5^5 + ((5 \times (5 - 55)) - 5) \\
&:= (6 \times 6 - 6/6 + 6) \times (((6 + 6)/6)^6 + 6) \\
&:= 77 + 7 \times (7 \times (7 \times 7 + 7) + 7) \\
&:= (8 - 88)/8 + (8 \times (8 \times (8 \times 8 - 8) - 88)) \\
&:= (99 \times (99/9 + 9 + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2871 &:= 11 \times (((1 + 1) \times ((11 \times (1 + 11)) - 1)) - 1) \\
&:= (2/2 + 2) \times (2 \times 22^2 - 22/2) \\
&:= 33 \times (3 \times 3^3 + 3 + 3) \\
&:= 44/4 \times ((4/4 + 4^4) + 4) \\
&:= 5^5 + (((5 \times (5 - 55)) - 5) + 5/5) \\
&:= 666/6 + ((66 \times (6 \times 6 + 6)) - (6 + 6)) \\
&:= 7/7 + (7 \times (7 \times (7 \times 7 + 7) + 7) + 77) \\
&:= (88 - 8/8) \times ((8/8 + 8 + 8 + 8) + 8) \\
&:= 99 \times (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2872 &:= ((1 + 1 + 11) \times ((1 + 1) \times 111 - 1)) - 1 \\
&:= 2 + ((2/2 + 2 + 2) \times (((22 + 2)^2) - 2)) \\
&:= 3/3 + (33 \times (3 \times 3^3 + 3 + 3)) \\
&:= (4 \times (4 \times (4 \times 44 + 4))) - 4 - 4 \\
&:= 5^5 - (((5 - (5 + 5)/5)^5) + 5) + 5 \\
&:= ((6 + 6)/6)^6 + (6 \times (6 \times (66 + 6 + 6))) \\
&:= ((7 + 7)/7)^7 + 7 \times 7 \times (7 \times 7 + 7) \\
&:= (8 \times (8 \times (8 \times 8 - 8) - 88)) - 8 \\
&:= 9/9 + (99 \times (99/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2873 &:= (1 + 1 + 11) \times ((1 + 1) \times 111 - 1) \\
&:= (22/2 + 2) \times (222 - 2/2) \\
&:= 3 + ((33 \times (3 \times 3^3 + 3 + 3)) - 3/3) \\
&:= 4 + (((4/4 + 4)^{4+4/4}) - 4^4) \\
&:= 5^5 + ((5 \times (5 - 55)) - ((5 + 5)/5)) \\
&:= 66 + ((6 \times (6 \times (66 + 6 + 6))) - 6/6) \\
&:= (7 \times 7 \times (7 + 7)) + ((7 + 7 + 7)/7)^7 \\
&:= 8/8 + ((8 \times (8 \times (8 \times 8 - 8) - 88)) - 8) \\
&:= (9 + 9)/9 + (99 \times (99/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2874 &:= 1 + ((1 + 1 + 11) \times ((1 + 1) \times 111 - 1)) \\
&:= (2/2 + 2) \times ((2 \times (22^2 - (2 + 2))) - 2) \\
&:= 3 + (33 \times (3 \times 3^3 + 3 + 3)) \\
&:= (4 \times (4 \times (4 \times 44 + 4))) - ((4 + 4)/4 + 4) \\
&:= 5^5 + ((5 \times (5 - 55)) - 5/5) \\
&:= 66 + (6 \times (6 \times (66 + 6 + 6))) \\
&:= (7 - 7/7) \times (7 \times (77 - 7) - (77/7)) \\
&:= (8 + 8)/8 + ((8 \times (8 \times (8 \times 8 - 8) - 88)) - 8) \\
&:= 9 + ((9 + 9) \times (9 \times (9 + 9) - 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2875 &:= ((1 + 1)^{1+1+1}) - 11 \times 111 \\
&:= 2 + ((22/2 + 2) \times (222 - 2/2)) \\
&:= 3 + ((33 \times (3 \times 3^3 + 3 + 3)) + 3/3) \\
&:= 4 + (44/4 \times ((4/4 + 4^4) + 4)) \\
&:= 5^5 + (5 \times (5 - 55)) \\
&:= 66 + ((6 \times (6 \times (66 + 6 + 6))) + 6/6) \\
&:= 7777/7 + ((7 + 7) \times (77 + 7 \times 7)) \\
&:= (8 \times 8 \times 8 \times 8) - 88/8 \times 888/8 \\
&:= (9 + 9) \times 99 + (9999/9 - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2876 &:= 1 + (((1 + 1)^{1+1+1}) - 11 \times 111) \\
&:= 2 \times (((2 + 2 + 2)^2 + 2)^2 - (2 + 2 + 2)) \\
&:= 33 + (((33/3 + 3)^3) + 3 \times 33) \\
&:= (4 \times (4 \times (4 \times 44 + 4))) - 4 \\
&:= 5^5 + ((5 \times (5 - 55)) + 5/5) \\
&:= 6 + ((6 \times 6 - 6/6 + 6) \times (((6 + 6)/6)^6 + 6)) \\
&:= (7 \times (7 \times 77 - ((7 + 7)/7)^7)) - 7/7 \\
&:= 8 \times 8 + (((8 \times 8 \times 88) - 8)/(8 + 8)/8) \\
&:= 99 + (((9 + 9)/9)^{99/9} + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2877 &:= 1 + (1 + (((1 + 1)^{1+1+1}) - 11 \times 111)) \\
&:= (2 \times ((2 + 2 + 2)^2 + 2)^2) - 22/2 \\
&:= ((3^3 + 3) \times (3 \times 33 - 3)) - 3 \\
&:= 4/4 + ((4 \times (4 \times (4 \times 44 + 4))) - 4) \\
&:= 5^5 - (((5 - (5 + 5)/5)^5) + 5) \\
&:= 666/6 + ((66 \times (6 \times 6 + 6)) - 6) \\
&:= 7 \times (7 \times 77 - ((7 + 7)/7)^7) \\
&:= 8 + ((88/8 + 8) \times ((88 - 8/8) + 8 \times 8)) \\
&:= (999/9 \times ((9 - 9/9) + 9) + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2878 &:= (1+1) \times (((11-1) \times (1+11)^{1+1}) - 1) \\
&:= ((2+2+2) \times (22^2 - (2+2))) - 2 \\
&:= 3/3 + (((3^3+3) \times (3 \times 33-3)) - 3) \\
&:= (4 \times (4 \times (4 \times 44+4))) - (4+4)/4 \\
&:= 5 + (((5 \times (5-55)) - ((5+5)/5)) + 5^5) \\
&:= ((66-6) \times (6 \times 6+6+6)) - (6+6)/6 \\
&:= 7/7 + (7 \times (7 \times 77 - ((7+7)/7)^7)) \\
&:= (8 \times (8 \times (8 \times 8-8) - 88)) - (8+8)/8 \\
&:= 9 + ((9/9+9+9) \times (9 \times (9+9) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2879 &:= ((1+1) \times ((11-1) \times (1+11)^{1+1})) - 1 \\
&:= ((2+2+2) \times (22^2 - (2+2))) - 2/2 \\
&:= ((3^3+3) \times (3 \times 33-3)) - 3/3 \\
&:= (4 \times (4 \times (4 \times 44+4))) - 4/4 \\
&:= 5 + (((5 \times (5-55)) - 5/5) + 5^5) \\
&:= ((66-6) \times (6 \times 6+6+6)) - 6/6 \\
&:= 7 + (7 \times 7 \times (7 \times 7+7) + ((7+7)/7)^7) \\
&:= (8 \times (8 \times (8 \times 8-8) - 88)) - 8/8 \\
&:= 9 + ((99 \times (99/9+9+9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2880 &:= (1+1) \times ((11-1) \times (1+11)^{1+1}) \\
&:= (2+2+2) \times (22^2 - (2+2)) \\
&:= (3^3+3) \times (3 \times 33-3) \\
&:= 4 \times (4 \times (4 \times 44+4)) \\
&:= 5 + ((5 \times (5-55)) + 5^5) \\
&:= (66-6) \times (6 \times 6+6+6) \\
&:= (7 \times 7 - 7/7) \times (77/7 + 7 \times 7) \\
&:= 8 \times (8 \times (8 \times 8-8) - 88) \\
&:= 9 + (99 \times (99/9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2881 &:= 1 + ((1+1) \times ((11-1) \times (1+11)^{1+1})) \\
&:= 2/2 + ((2+2+2) \times (22^2 - (2+2))) \\
&:= 3/3 + ((3^3+3) \times (3 \times 33-3)) \\
&:= 4/4 + (4 \times (4 \times (4 \times 44+4))) \\
&:= 5 + (((5 \times (5-55)) + 5/5) + 5^5) \\
&:= 6/6 + ((66-6) \times (6 \times 6+6+6)) \\
&:= ((7/7-77) \times (77/7-7 \times 7)) - 7 \\
&:= 8/8 + (8 \times (8 \times (8 \times 8-8) - 88)) \\
&:= 9 + ((99 \times (99/9+9+9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2882 &:= (1+1) \times (11 \times ((11 \times (1+11)) - 1)) \\
&:= (22^2 \times (2+2+2)) - 22 \\
&:= 3 + (((3^3+3) \times (3 \times 33-3)) - 3/3) \\
&:= (4+4)/4 + (4 \times (4 \times (4 \times 44+4))) \\
&:= 5^5 - ((5 - (5+5)/5)^5) \\
&:= (6+6)/6 + ((66-6) \times (6 \times 6+6+6)) \\
&:= 77/7 \times (((7 \times 7 \times 77-7)/(7+7)) - 7) \\
&:= (8+8)/8 + (8 \times (8 \times (8 \times 8-8) - 88)) \\
&:= 99/9 + (99 \times (99/9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2883 &:= 1 + ((1+1) \times (11 \times ((11 \times (1+11)) - 1))) \\
&:= 2/2 + ((22^2 \times (2+2+2)) - 22) \\
&:= 3 + ((3^3+3) \times (3 \times 33-3)) \\
&:= 4 + ((4 \times (4 \times (4 \times 44+4))) - 4/4) \\
&:= 5^5 + (5/5 - ((5 - (5+5)/5)^5)) \\
&:= 666/6 + (66 \times (6 \times 6+6)) \\
&:= (7 \times ((7 \times 7 \times 7-7) + 77)) - (7/7+7) \\
&:= 88/8 + ((8 \times (8 \times (8 \times 8-8) - 88)) - 8) \\
&:= 99 + (99 \times (9+9+9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2884 &:= (1+1) \times (111 + 11^{1+1+1}) \\
&:= 2 \times (((2+2+2)^2 + 2)^2 - 2) \\
&:= 3 + (((3^3+3) \times (3 \times 33-3)) + 3/3) \\
&:= 4 + (4 \times (4 \times (4 \times 44+4))) \\
&:= 5 + (((5 \times (5-55)) - 5/5) + 5^5) + 5 \\
&:= (6 \times 666) - (6666+6)/6 \\
&:= (7 \times ((7 \times 7 \times 7-7) + 77)) - 7 \\
&:= 8 \times 8 + (((8 \times 8 \times 88) + 8)/(8+8)/8) \\
&:= (9+9) \times 99 + (9999/9-9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2885 &:= ((1+1) \times (111 \times (1+1+11))) - 1 \\
&:= (222 \times (22/2+2)) - 2/2 \\
&:= ((333 \times (3^3-3/3)) - 3)/3 \\
&:= 4 + ((4 \times (4 \times (4 \times 44+4))) + 4/4) \\
&:= 5 + (((5 \times (5-55)) + 5^5) + 5) \\
&:= (6 \times 666) - (6666/6) \\
&:= 7/7 + ((7 \times ((7 \times 7 \times 7-7) + 77)) - 7) \\
&:= ((8-88/8) + 8) \times (8 \times (8 \times 8+8) + 8/8) \\
&:= (9+9) \times 99 + ((9999+9)/9-9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2886 &:= (1+1) \times (111 \times (1+1+11)) \\
&:= 222 \times (22/2+2) \\
&:= (3^3-3/3) \times 333/3 \\
&:= 4 + ((4 \times (4 \times (4 \times 44+4))) + (4+4)/4) \\
&:= 5 \times 555 + 555/5 \\
&:= 6 + ((66-6) \times (6 \times 6+6+6)) \\
&:= (7/7+77) \times (7 \times 7 - (77+7)/7) \\
&:= 888/8 + (((8+8)/8) + 8) + 8) \\
&:= 999/9 \times (((9-9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2887 &:= 1 + ((1+1) \times (111 \times (1+1+11))) \\
&:= 2/2 + (222 \times (22/2+2)) \\
&:= ((333 \times (3^3-3/3)) + 3)/3 \\
&:= 4 \times 444 + 4444/4 \\
&:= 5 + (5^5 - ((5 - (5+5)/5)^5)) \\
&:= 6 + (((66-6) \times (6 \times 6+6+6)) + 6/6) \\
&:= 7 + ((7 \times 7 - 7/7) \times (77/7 + 7 \times 7)) \\
&:= 8 + ((8 \times (8 \times (8 \times 8-8) - 88)) - 8/8) \\
&:= 9 \times (9+9) \times (9+9) - (99/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2888 &:= (1+1) \times (1 + (111 \times (1+1+11))) \\
&:= 2 \times ((2+2+2)^2 + 2)^2 \\
&:= 3 + (((333 \times (3^3-3/3)) - 3)/3) \\
&:= 4 + ((4 \times (4 \times (4 \times 44+4))) + 4) \\
&:= 5 + ((5/5 - ((5 - (5+5)/5)^5)) + 5^5) \\
&:= ((6+6)/6+6) \times (6 \times (66-6) + 6/6) \\
&:= (7/7-77) \times (77/7-7 \times 7) \\
&:= 8 + (8 \times (8 \times (8 \times 8-8) - 88)) \\
&:= (9-9/9) \times ((9/9+9+9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2889 &:= 1 + ((1+1) \times (1 + (111 \times (1+1+11)))) \\
&:= 2/2 + (2 \times ((2+2+2)^2 + 2)^2) \\
&:= 3 \times (3 \times (333 - (3 \times 3+3))) \\
&:= 4 + (((4 \times (4 \times (4 \times 44+4))) + 4/4) + 4) \\
&:= 5^5 - (555/5 + 5 \times 5 \times 5) \\
&:= 6 + ((66 \times (6 \times 6+6)) + 666/6) \\
&:= (7 \times ((7 \times 7 \times 7-7) + 77)) - (7+7)/7 \\
&:= 8 + ((8 \times (8 \times (8 \times 8-8) - 88)) + 8/8) \\
&:= (9+9+9) \times ((99-9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2890 &:= (1+1) \times (1 + (1 + (111 \times (1+1+11)))) \\
&:= 2 + (2 \times ((2+2+2)^2 + 2)^2) \\
&:= 3 + (((333 \times (3^3-3/3)) + 3)/3) \\
&:= (44-4)/4 + (4 \times (4 \times (4 \times 44+4))) \\
&:= (5 \times (555+5 \times 5)) - 5-5 \\
&:= 6 + ((66 \times (6 \times 6+6)) + (666+6)/6) \\
&:= (7 \times ((7 \times 7 \times 7-7) + 77)) - 7/7 \\
&:= 8 + ((8 \times (8 \times (8 \times 8-8) - 88)) + ((8+8)/8)) \\
&:= 9/9 + ((9+9+9) \times ((99-9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2891 &:= ((1+11) \times (((1+1) \times 11^{1+1}) - 1)) - 1 \\
&:= ((2+2+2) \times (22^2 - 2)) - 2/2 \\
&:= 33/3 + ((3^3+3) \times (3 \times 33-3)) \\
&:= 44/4 + (4 \times (4 \times (4 \times 44+4))) \\
&:= 5 + (5 \times 555 + 555/5) \\
&:= 6 + ((6 \times 666) - (6666/6)) \\
&:= 7 \times ((7 \times 7 \times 7-7) + 77) \\
&:= 88/8 + (8 \times (8 \times (8 \times 8-8) - 88)) \\
&:= (9 - ((9+9)/9)) \times (((9+9)/9)^9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2892 &:= (1+11) \times (((1+1) \times 11^{1+1}) - 1) \\
&:= (2+2+2) \times (22^2 - 2) \\
&:= (3/3+3) \times (3^{3+3} - (3+3)) \\
&:= (4 \times ((4 \times (4 \times 44+4)) + 4)) - 4 \\
&:= 5 + ((5^5 - ((5 - (5+5)/5)^5)) + 5) \\
&:= 6 + (((66-6) \times (6 \times 6+6+6)) + 6) \\
&:= 7/7 + (7 \times ((7 \times 7 \times 7-7) + 77)) \\
&:= ((8 \times (8 \times 88+8)) + 88)/(8+8)/8) \\
&:= (9+9) \times 99 + ((9999-9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2893 &:= 11 \times (((1+1) \times (11 \times (1+11))) - 1) \\
&:= 2/2 + ((2+2+2) \times (22^2 - 2)) \\
&:= 3/3 + ((3/3+3) \times (3^{3+3} - (3+3))) \\
&:= 44/4 \times (((4^4 - 4/4) + 4) + 4) \\
&:= 5^5 + (55/5 - ((5 - (5+5)/5)^5)) \\
&:= 66/6 \times (6 \times (6 \times 6 + 6) + (66/6)) \\
&:= (7+7)/7 + (7 \times ((7 \times 7 \times 7 - 7) + 77)) \\
&:= 88/8 \times (((8+8) \times (8+8) - 8/8) + 8) \\
&:= (9+9) \times 99 + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2894 &:= 1 + (11 \times (((1+1) \times (11 \times (1+11))) - 1)) \\
&:= 2 + ((2+2+2) \times (22^2 - 2)) \\
&:= (3 \times (3 \times 333 - 33)) - (3/3 + 3) \\
&:= (4 \times ((4 \times (4 \times 44 + 4)) + 4)) - (4 + 4)/4 \\
&:= (5 \times (555 + 5 \times 5)) - (5/5 + 5) \\
&:= 6 + (((6+6)/6 + 6) \times (6 \times (66 - 6) + 6/6)) \\
&:= 7 + (((7 \times 7 - 7/7) \times (77/7 + 7 \times 7)) + 7) \\
&:= 8 + (888/8 \times (((8+8)/8) + 8) + 8) \\
&:= ((9+9)/9) \times (9 \times 9 \times (9+9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2895 &:= 1 + (1 + (11 \times (((1+1) \times (11 \times (1+11))) - 1))) \\
&:= 2 + (((2+2+2) \times (22^2 - 2)) + 2/2) \\
&:= (3 \times (3 \times 333 - 33)) - 3 \\
&:= (4 \times ((4 \times (4 \times 44 + 4)) + 4)) - 4/4 \\
&:= (5 \times (555 + 5 \times 5)) - 5 \\
&:= 6 + (((66 \times (6 \times 6 + 6)) + 666/6) + 6) \\
&:= 7 + ((7/7 - 77) \times (77/7 - 7 \times 7)) \\
&:= (8 - 8/8 + 8) \times (8 \times (8 + 8 + 8) + 8/8) \\
&:= 9 + (999/9 \times ((9 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2896 &:= 11 + (((1+1) \times (111 \times (1+1+11))) - 1) \\
&:= 2 + (((2+2+2) \times (22^2 - 2)) + 2) \\
&:= 3/3 + ((3 \times (3 \times 333 - 33)) - 3) \\
&:= 4 \times ((4 \times (4 \times 44 + 4)) + 4) \\
&:= 5/5 + ((5 \times (555 + 5 \times 5)) - 5) \\
&:= (6 \times 666) + ((66 - 6666)/6) \\
&:= 7 + ((7 \times ((7 \times 7 \times 7 - 7) + 77)) - ((7+7)/7)) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8) - 88)) + 8) \\
&:= 9 \times (9+9) \times (9+9) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2897 &:= 11 + ((1+1) \times (111 \times (1+1+11))) \\
&:= 22/2 + (222 \times (22/2 + 2)) \\
&:= (3 \times (3 \times 333 - 33)) - 3/3 \\
&:= 4/4 + (4 \times ((4 \times (4 \times 44 + 4)) + 4)) \\
&:= 5 + (((5^5 - ((5 - (5+5)/5)^5)) + 5) + 5) \\
&:= 6 + (((6 \times 666) - (6666/6)) + 6) \\
&:= 7 + ((7 \times ((7 \times 7 \times 7 - 7) + 77)) - 7/7) \\
&:= 88 + ((8 \times 8 - 88/8)^{(8+8)/8}) \\
&:= 9 \times (9+9) \times (9+9) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2898 &:= ((1+1+11) \times (1 + (1+1) \times 111)) - 1 \\
&:= (2/2 + 2) \times (2 \times 22^2 - 2) \\
&:= 3 \times (3 \times 333 - 33) \\
&:= ((4^4 - 4)/4) \times ((4+4)/4 + 44) \\
&:= (5 \times (555 + 5 \times 5)) - (5 + 5)/5 \\
&:= (6/6 + 6) \times ((6 \times 66 + 6 + 6) + 6) \\
&:= 7 + (7 \times ((7 \times 7 \times 7 - 7) + 77)) \\
&:= (88/8 - 8) \times ((88 \times 88 - (8+8))/8) \\
&:= (9+9) \times (9 \times (9+9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2899 &:= (1+1+11) \times (1 + (1+1) \times 111) \\
&:= (22/2 + 2) \times (222 + 2/2) \\
&:= 3/3 + (3 \times (3 \times 333 - 33)) \\
&:= 4 + ((4 \times ((4 \times (4 \times 44 + 4)) + 4)) - 4/4) \\
&:= (5 \times (555 + 5 \times 5)) - 5/5 \\
&:= (6/6 + 6 + 6) \times (6 \times 6 \times 6 + 6/6 + 6) \\
&:= 7 + ((7 \times ((7 \times 7 \times 7 - 7) + 77)) + 7/7) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8) - 88)) + (88/8)) \\
&:= 9/9 + ((9+9) \times (9 \times (9+9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2900 &:= 1 + ((1+1+11) \times (1 + (1+1) \times 111)) \\
&:= 2 \times (((2/2 + 2) \times 22^2) - 2) \\
&:= (3/3 + 3) \times (3^{3+3} - (3/3 + 3)) \\
&:= 4 + (4 \times ((4 \times (4 \times 44 + 4)) + 4)) \\
&:= 5 \times (555 + 5 \times 5) \\
&:= (6 - ((6+6)/6)) \times ((66 \times 66 - 6)/6) \\
&:= (7/7 + 7 \times 7) \times (((7+7)/7 + 7 \times 7) + 7) \\
&:= 88 + (((8 \times 8 \times 88) - 8)/((8+8)/8)) \\
&:= (9/9 + 99) \times (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2901 &:= ((1+1) \times ((11 \times (11 \times (1+11))) - 1)) - 1 \\
&:= (2/2 + 2) \times (2 \times 22^2 - 2/2) \\
&:= 3 + (3 \times (3 \times 333 - 33)) \\
&:= 4 + ((4 \times ((4 \times (4 \times 44 + 4)) + 4)) + 4/4) \\
&:= 5/5 + (5 \times (555 + 5 \times 5)) \\
&:= (6666 \times 6/(6+6)) - (6 \times (66+6)) \\
&:= ((77 - 7)/7) + (7 \times ((7 \times 7 \times 7 - 7) + 77)) \\
&:= (88/8 - 8) \times ((88 \times 88 - 8)/8) \\
&:= 9 + (((9999 - 9)/9) + (9+9) \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2902 &:= (1+1) \times ((11 \times (11 \times (1+11))) - 1) \\
&:= (22^2 \times (2+2+2)) - 2 \\
&:= 3 + ((3 \times (3 \times 333 - 33)) + 3/3) \\
&:= 4 + (((4^4 - 4)/4) \times ((4+4)/4 + 44)) \\
&:= (5+5)/5 + (5 \times (555 + 5 \times 5)) \\
&:= 66 + ((66 \times (6 \times 6 + 6)) + ((6+6)/6)^6) \\
&:= 77/7 + (7 \times ((7 \times 7 \times 7 - 7) + 77)) \\
&:= 88 + (((8+8)/8) \times (88 \times (8+8) - 8/8)) \\
&:= 9 + (9999/9 + (9+9) \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2903 &:= ((1+1) \times (11 \times (11 \times (1+11)))) - 1 \\
&:= (22^2 \times (2+2+2)) - 2/2 \\
&:= ((3/3+3) \times (3^{3+3} - 3)) - 3/3 \\
&:= (44 \times ((4^4 + 4 + 4)/4)) - 4/4 \\
&:= 5^5 + (5 - 5555)/(5 \times 5) \\
&:= ((6 - 6/6)^{6-6/6}) - (6 \times 6 \times 6 + 6) \\
&:= (77 + 7)/7 + (7 \times ((7 \times 7 \times 7 - 7) + 77)) \\
&:= 88 + ((88 \times ((8+8+8) + 8)) - 8/8) \\
&:= 9 \times (9+9) \times (9+9) - ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2904 &:= (1+1) \times (11 \times (11 \times (1+11))) \\
&:= 22^2 \times (2+2+2) \\
&:= (3/3+3) \times (3^{3+3} - 3) \\
&:= 44 \times ((4^4 + 4 + 4)/4) \\
&:= 5 + ((5 \times (555 + 5 \times 5)) - 5/5) \\
&:= 66 \times (((6+6)/6 + 6 \times 6) + 6) \\
&:= (7 - 7/7) \times ((7 \times (77 - 7) - 7) + 7/7) \\
&:= 88 + (88 \times ((8+8+8) + 8)) \\
&:= 9 \times (9+9) \times (9+9) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2905 &:= 1 + ((1+1) \times (11 \times (11 \times (1+11)))) \\
&:= 2/2 + (22^2 \times (2+2+2)) \\
&:= 3/3 + ((3/3+3) \times (3^{3+3} - 3)) \\
&:= 4/4 + (44 \times ((4^4 + 4 + 4)/4)) \\
&:= 5 + (5 \times (555 + 5 \times 5)) \\
&:= 6/6 + (66 \times (((6+6)/6 + 6 \times 6) + 6)) \\
&:= 7 + ((7 \times ((7 \times 7 \times 7 - 7) + 77)) + 7) \\
&:= 8/8 + ((88 \times ((8+8+8) + 8)) + 88) \\
&:= 9 \times (9+9) \times (9+9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2906 &:= (1+1) \times (1 + (11 \times (11 \times (1+11)))) \\
&:= 2 + (22^2 \times (2+2+2)) \\
&:= (3+3) \times 3^3 + ((33/3+3)^3) \\
&:= (4+4)/4 + (44 \times ((4^4 + 4 + 4)/4)) \\
&:= 5 + ((5 \times (555 + 5 \times 5)) + 5/5) \\
&:= 6 + ((6 - ((6+6)/6)) \times ((66 \times 66 - 6)/6)) \\
&:= 7 + (((7 \times ((7 \times 7 \times 7 - 7) + 77)) + 7/7) + 7) \\
&:= 88 + ((88 \times ((8+8+8) + 8)) + ((8+8)/8)) \\
&:= 9 \times (9+9) \times (9+9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2907 &:= 1 + ((1+1) \times (1 + (11 \times (11 \times (1+11)))))) \\
&:= 2 + ((22^2 \times (2+2+2)) + 2/2) \\
&:= 3 \times ((3^3 \times (33+3)) - 3) \\
&:= 4 + ((44 \times ((4^4 + 4 + 4)/4)) - 4/4) \\
&:= 5 \times 5 + (5^5 - ((5 - (5+5)/5)^5)) \\
&:= (66/6 + 6) \times (((666/6 - 6) + 66)) \\
&:= ((7+7)/7 + 7 \times 7) \times ((7/7 + 7 \times 7) + 7) \\
&:= (88/8 - 8) \times ((88 \times 88 + 8)/8) \\
&:= 9 \times (9+9) \times (9+9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2908 &:= (1+1) \times (1+(1+(11 \times (11 \times (1+11)))))) \\
&:= 2 + ((22^2 \times (2+2+2)) + 2) \\
&:= 3/3 + (3 \times ((3^3 \times (33+3)) - 3)) \\
&:= 4 + (44 \times ((4^4 + 4+4)/4)) \\
&:= 5 + 5^5 + (5 - 5555)/(5 \times 5) \\
&:= (6 - ((6+6)/6)) \times ((66 \times 66+6)/6) \\
&:= 777 + (((7+7+7)/7)^7 - (7 \times 7+7)) \\
&:= 88 + (((8 \times 8 \times 88) + 8)/(8+8)/8) \\
&:= 9/9 + (9 \times (9+9) \times (9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2909 &:= 1 + ((1+1) \times (1+(1+(11 \times (11 \times (1+11)))))) \\
&:= 2 + (((22^2 \times (2+2+2)) + 2/2) + 2) \\
&:= ((3/3+3) \times (3^{3+3} - 3/3)) - 3 \\
&:= 4 + ((44 \times ((4^4 + 4+4)/4)) + 4/4) \\
&:= 5^5 + ((5 - 5/5) \times (5/5 - 55)) \\
&:= ((6 - 6/6)^{6-6/6}) - 6 \times 6 \times 6 \\
&:= ((7 \times 7 - ((7+7)/7) + 7)^{(7+7)/7}) - 7 \\
&:= 8 + ((88/8 - 8) \times ((88 \times 88 - 8)/8)) \\
&:= (9+9)/9 + (9 \times (9+9) \times (9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2910 &:= (1+1) \times (((1+1+11) \times (1+111)) - 1) \\
&:= (2/2+2) \times (2 \times 22^2 + 2) \\
&:= 3 + (3 \times ((3^3 \times (33+3)) - 3)) \\
&:= ((4+4)/4+4) \times ((44 \times 44+4)/4) \\
&:= 5 + ((5 \times (555+5 \times 5)) + 5) \\
&:= ((66 - 6 - 6)^{(6+6)/6}) - 6 \\
&:= (7 - 7/7) \times ((7 \times (77 - 7) - 7) + ((7+7)/7)) \\
&:= (88/8 - 8) \times (88 \times 88 + 8+8)/8 \\
&:= (9+9+9)/9 + (9 \times (9+9) \times (9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2911 &:= ((1+1) \times ((1+1+11) \times (1+111))) - 1 \\
&:= 2/2 + ((2/2+2) \times (2 \times 22^2 + 2)) \\
&:= 3 + ((3 \times ((3^3 \times (33+3)) - 3)) + 3/3) \\
&:= 444/4 + (4 \times (444 + 4^4)) \\
&:= ((55 - 5/5)^{(5+5)/5}) - 5 \\
&:= 6/6 + (((66 - 6 - 6)^{(6+6)/6}) - 6) \\
&:= (7 \times 7 - (7/7+7)) \times ((7/7 - 7) + 77) \\
&:= 8 + (((88 \times ((8+8+8) + 8)) - 8/8) + 88) \\
&:= ((9 - 99)/(9+9)) + 9 \times (9+9) \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2912 &:= (1+1) \times ((1+1+11) \times (1+111)) \\
&:= (22/2+2) \times (222+2) \\
&:= (3/3+3) \times (3^{3+3} - 3/3) \\
&:= 4 \times (((4 \times (4 \times 44+4)) + 4) + 4) \\
&:= 5^5 + (((5 - 5^5)/(5+5+5)) - 5) \\
&:= (6+6)/6 + (((66 - 6 - 6)^{(6+6)/6}) - 6) \\
&:= 7 \times (((77 \times 77 - 7)/(7+7)) - 7) \\
&:= 8 + ((88 \times ((8+8+8) + 8)) + 88) \\
&:= (9 - 9/9) \times (((9 \times 9 \times 9 \times 9) - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2913 &:= 1 + ((1+1) \times ((1+1+11) \times (1+111))) \\
&:= 2/2 + ((22/2+2) \times (222+2)) \\
&:= (3 \times (3^3 \times (33+3))) - 3 \\
&:= 4^4 + (((4 - 4/4) + 4^4) + 4^4) \\
&:= 5^5 - ((55 + 5^5)/(5+5+5)) \\
&:= (6 \times ((6+6) \times (6 \times 6+6))) - 666/6 \\
&:= 7/7 + (7 \times (((77 \times 77 - 7)/(7+7)) - 7)) \\
&:= 8 \times 8 \times 8 + ((8 - 8/8)^{8 \times 8/(8+8)}) \\
&:= 9 \times (9+9) \times (9+9) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2914 &:= (1+1) \times (1 + ((1+1+11) \times (1+111))) \\
&:= ((2+2+2) \times (22^2 + 2)) - 2 \\
&:= 3/3 + ((3 \times (3^3 \times (33+3))) - 3) \\
&:= (44 - 4/4+4) \times (4^4 - 4 - 4)/4 \\
&:= 55 \times 55 - 555/5 \\
&:= ((66 - 6 - 6)^{(6+6)/6}) - (6+6)/6 \\
&:= 7 + (((7+7)/7 + 7 \times 7) \times ((7/7 + 7 \times 7) + 7)) \\
&:= (8 \times 8 - ((8+8)/8)) \times (8 \times 8 - (8/8 + 8+8)) \\
&:= 9 \times (9+9) \times (9+9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2915 &:= 11 \times (1 + ((1+1) \times (11 \times (1+11)))) \\
&:= 22/2 + (22^2 \times (2+2+2)) \\
&:= (3 \times (3^3 \times (33+3))) - 3/3 \\
&:= 44/4 \times (((4/4+4^4) + 4) + 4) \\
&:= 55 \times (55 - (5+5)/5) \\
&:= ((66 - 6 - 6)^{(6+6)/6}) - 6/6 \\
&:= 777 + (((7+7+7)/7)^7 - 7 \times 7) \\
&:= 88/8 \times (((8+8) \times (8+8) + 8/8) + 8) \\
&:= 9 \times (9+9) \times (9+9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2916 &:= ((111 - 1)/(1+1) - 1)^{1+1} \\
&:= (2+2+2) \times (22^2 + 2) \\
&:= 3 \times (3^3 \times (33+3)) \\
&:= 4 \times ((4 - 4/4)^{4+(4+4)/4}) \\
&:= (55 - 5/5)^{(5+5)/5} \\
&:= (66 - 6 - 6)^{(6+6)/6} \\
&:= (7 \times 7 - ((7+7)/7) + 7)^{(7+7)/7} \\
&:= ((8 - 88)/8 + 8 \times 8)^{(8+8)/8} \\
&:= 9 \times (9+9) \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2917 &:= 1 + (((111 - 1)/(1+1) - 1)^{1+1}) \\
&:= 2/2 + ((2+2+2) \times (22^2 + 2)) \\
&:= 3/3 + (3 \times (3^3 \times (33+3))) \\
&:= 4 + (((4 - 4/4) + 4^4) + 4^4) + 4^4 \\
&:= 5^5 + ((5 - 5^5)/(5+5+5)) \\
&:= 6/6 + (((66 - 6 - 6)^{(6+6)/6}) - 6) \\
&:= 7/7 + ((7 \times 7 - ((7+7)/7) + 7)^{(7+7)/7}) \\
&:= 8/8 + (((8 - 88)/8 + 8 \times 8)^{(8+8)/8}) \\
&:= 9/9 + 9 \times (9+9) \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2918 &:= 1 + (1 + (((111 - 1)/(1+1) - 1)^{1+1})) \\
&:= 2 + ((2+2+2) \times (22^2 + 2)) \\
&:= 3 + ((3 \times (3^3 \times (33+3))) - 3/3) \\
&:= 4 + ((44 - 4/4+4) \times (4^4 - 4 - 4)/4) \\
&:= 5 + (5^5 - ((55 + 5^5)/(5+5+5))) \\
&:= (6+6)/6 + ((66 - 6 - 6)^{(6+6)/6}) \\
&:= (77 \times (7 \times 7 - 77/7)) - (7/7+7) \\
&:= 8 + ((88/8 - 8) \times (88 \times 88 + 8+8)/8) \\
&:= (9+9)/9 + 9 \times (9+9) \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2919 &:= 11111 - ((1+1)^{1+1+11}) \\
&:= 2 + (((2+2+2) \times (22^2 + 2)) + 2/2) \\
&:= 3 + (3 \times (3^3 \times (33+3))) \\
&:= 4 + (44/4 \times (((4/4+4^4) + 4) + 4)) \\
&:= 5 + (55 \times 55 - 555/5) \\
&:= 666/6 + (6 \times (6 \times (66 + 6+6))) \\
&:= (77 \times (7 \times 7 - 77/7)) - 7 \\
&:= (8 - 8/8) \times ((8 \times 8 \times 8 - (88+8)) + 8/8) \\
&:= ((9+9+9)/9) + 9 \times (9+9) \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2920 &:= 1 + (11111 - ((1+1)^{1+1+11})) \\
&:= 2 + (((2+2+2) \times (22^2 + 2)) + 2) \\
&:= (3/3+3) \times (3^{3+3} + 3/3) \\
&:= 4 + (4 \times ((4 - 4/4)^{4+(4+4)/4})) \\
&:= 5 + (55 \times (55 - (5+5)/5)) \\
&:= 6 + (((66 - 6 - 6)^{(6+6)/6}) - ((6+6)/6)) \\
&:= 7/7 + ((77 \times (7 \times 7 - 77/7)) - 7) \\
&:= (8 \times (888 - 8 \times 8 \times 8)) - 88 \\
&:= (9 - 9/9) \times (((9 \times 9 \times 9 \times 9) + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2921 &:= 1 + (1 + (11111 - ((1+1)^{1+1+11}))) \\
&:= (22 + 2/2) \times ((2^{2 \times (2+2)} - 2)/2) \\
&:= 3 + (((3 \times (3^3 \times (33+3))) - 3/3) + 3) \\
&:= ((44 + 4/4) \times (4^4 + 4)/4) - 4 \\
&:= 5 + ((55 - 5/5)^{(5+5)/5}) \\
&:= 6 + (((66 - 6 - 6)^{(6+6)/6}) - 6/6) \\
&:= ((7+7)/7)^7 + 7 \times (7 \times (7 \times 7+7) + 7) \\
&:= ((8 - 8/8+8) + 8) \times (8 \times (8+8) - 8/8) \\
&:= 9 \times (9+9) \times (9+9) + ((9 \times 9+9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2922 &:= (1+1) \times ((11 \times (1 + (11 \times (1+11)))) - (1+1)) \\
&:= (2/2+2) \times ((2 \times (22^2 + 2)) + 2) \\
&:= 3 + ((3 \times (3^3 \times (33+3))) + 3) \\
&:= (44/4 \times ((44 - 4)/4 + 4^4)) - 4 \\
&:= 5 + (((5 - 5^5)/(5+5+5)) + 5^5) \\
&:= 6 + ((66 - 6 - 6)^{(6+6)/6}) \\
&:= (7 \times (7 \times (7+7) + 7)) + ((7+7+7)/7)^7 \\
&:= (8 \times (8 \times 8 \times 8 - 8)) + ((8 - 8888)/8) \\
&:= 9 + (9 \times (9+9) \times (9+9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2923 &:= 11 + ((1 + 1) \times ((1 + 1 + 11) \times (1 + 111))) \\
&:= 2 + ((22 + 2/2) \times ((2^{2 \times (2+2)} - 2)/2)) \\
&:= 3 + ((3/3 + 3) \times (3^{3+3} + 3/3)) \\
&:= 44 + ((4 \times (4 \times (4 \times 44 + 4))) - 4/4) \\
&:= 5^5 + (((5 + 5) \times (5 - 5 \times 5)) - ((5 + 5)/5)) \\
&:= 6 + (((66 - 6 - 6)^{(6+6)/6}) + 6/6) \\
&:= 7 + ((7 \times 7 - ((7 + 7)/7) + 7)^{(7+7)/7}) \\
&:= 8 + (88/8 \times (((8 + 8) \times (8 + 8) + 8/8) + 8)) \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2924 &:= (1 + 1) \times ((11 \times (1 + (11 \times (1 + 11)))) - 1) \\
&:= 2 \times (2 \times (((2/2 + 2)^{2+2+2}) + 2)) \\
&:= (3/3 + 3) \times ((3^{3+3} - 3/3) + 3) \\
&:= 44 + (4 \times (4 \times (4 \times 44 + 4))) \\
&:= 5^5 + (((5 + 5) \times (5 - 5 \times 5)) - 5/5) \\
&:= ((6 \times 6 + 6/6) + 6) \times (((6 + 6)/6) + 66) \\
&:= (77 \times (7 \times 7 - 77/7)) - (7 + 7)/7 \\
&:= 8 + (((8 - 88)/8 + 8 \times 8)^{(8+8)/8}) \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2925 &:= (1 + 1 + 11) \times (1 + ((1 + 1) \times (1 + 111))) \\
&:= 22 + ((22^2 \times (2 + 2 + 2)) - 2/2) \\
&:= 3 \times (3^3 \times (33 + 3)) + 3 \\
&:= (44 + 4/4) \times (4^4 + 4/4) \\
&:= 5 \times ((555 + 5 \times 5) + 5) \\
&:= (6/6 - 66) \times (66 - 666/6) \\
&:= (77 \times (7 \times 7 - 77/7)) - 7/7 \\
&:= (8/8 + 8 \times 8) \times (8 \times 8 - (88/8 + 8)) \\
&:= 9 + 9 \times (9 + 9) \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2926 &:= (1 + 1) \times (11 \times (1 + (11 \times (1 + 11)))) \\
&:= 22 + (22^2 \times (2 + 2 + 2)) \\
&:= 3/3 + (3 \times ((3^3 \times (33 + 3)) + 3)) \\
&:= 44/4 \times ((44 - 4)/4 + 4^4) \\
&:= 5 + (((55 - 5/5)^{(5+5)/5}) + 5) \\
&:= ((6 + 6)/6 + 6 \times 6) \times (66/6 + 66) \\
&:= 77 \times (7 \times 7 - 77/7) \\
&:= 8 \times 88 + (((8 + 8)/8) \times 8888/8) \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2927 &:= 1 + ((1 + 1) \times (11 \times (1 + (11 \times (1 + 11)))))) \\
&:= 22 + ((22^2 \times (2 + 2 + 2)) + 2/2) \\
&:= 33/3 + (3 \times (3^3 \times (33 + 3))) \\
&:= 444/4 + (4 \times 4 \times 4 \times 44) \\
&:= 5 + (((5 - 5^5)/(5 + 5 + 5)) + 5^5) + 5 \\
&:= 66/6 + (((66 - 6 - 6)^{(6+6)/6}) \\
&:= 7/7 + (77 \times (7 \times 7 - 77/7)) \\
&:= 888/8 + (88 \times ((8 + 8 + 8) + 8)) \\
&:= 99/9 + 9 \times (9 + 9) \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2928 &:= (1 + 1) \times ((1 + 11) \times (1 + 11^{1+1})) \\
&:= (2 + 2 + 2) \times (22^2 + 2 + 2) \\
&:= (3/3 + 3) \times (3^{3+3} + 3) \\
&:= 4 \times ((4 \times (4 \times 44 - 4)) + 44) \\
&:= 5^5 - (((5/5 + 5) \times ((5 + 5)/5)^5) + 5) \\
&:= 6 + (((66 - 6 - 6)^{(6+6)/6}) + 6) \\
&:= (7 + 7)/7 + (77 \times (7 \times 7 - 77/7)) \\
&:= (8 + 8) \times ((888/8 + 8 \times 8) + 8) \\
&:= ((99 + 9)/9) + 9 \times (9 + 9) \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2929 &:= 1 + ((1 + 1) \times ((1 + 11) \times (1 + 11^{1+1}))) \\
&:= 2/2 + ((2 + 2 + 2) \times (22^2 + 2 + 2)) \\
&:= 3/3 + ((3/3 + 3) \times (3^{3+3} + 3)) \\
&:= 4 + ((44 + 4/4) \times (4^4 + 4)/4) \\
&:= 5 + (((5 + 5) \times (5 - 5 \times 5)) - 5/5) + 5^5 \\
&:= 6 + (((66 - 6 - 6)^{(6+6)/6}) + 6/6) + 6) \\
&:= 7 \times (7 \times 7 \times 7 + 77) - 77/7 \\
&:= 8 + (((8 - 8/8 + 8) + 8) \times (8 \times (8 + 8) - 8/8)) \\
&:= 9 \times (9 + 9) \times (9 + 9) + ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2930 &:= (1 + 1) \times (1 + ((1 + 11) \times (1 + 11^{1+1}))) \\
&:= 2 + ((2 + 2 + 2) \times (22^2 + 2 + 2)) \\
&:= 3 + ((3 \times (3^3 \times (33 + 3))) + 33/3) \\
&:= 4 + (44/4 \times ((44 - 4)/4 + 4^4)) \\
&:= 5 + (((5 + 5) \times (5 - 5 \times 5)) + 5^5) \\
&:= 6 + (((6 \times 6 + 6/6) + 6) \times (((6 + 6)/6) + 66)) \\
&:= ((7 - 77)/7) + 7 \times (7 \times 7 \times 7 + 77) \\
&:= 8 + (((8 - 8888)/8) + (8 \times (8 \times 8 \times 8 - 8))) \\
&:= 9 \times 99 + (((9 + 9)/9)^{99/9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2931 &:= 1 + ((1 + 1) \times (1 + ((1 + 11) \times (1 + 11^{1+1})))) \\
&:= 2 + (((2 + 2 + 2) \times (22^2 + 2 + 2)) + 2/2) \\
&:= 3 + ((3/3 + 3) \times (3^{3+3} + 3)) \\
&:= 4 + ((4 \times 4 \times 4 \times 44) + 444/4) \\
&:= 5 + (((55 - 5/5)^{(5+5)/5}) + 5) + 5) \\
&:= 6 + ((6/6 - 66) \times (66 - 666/6)) \\
&:= 7 \times (7 \times 7 \times 7 + 77) - ((7 + 7)/7 + 7) \\
&:= (88/8 - 8) \times (((88 \times 88 + 8)/8) + 8) \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) - ((9 + 9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2932 &:= (1 + 1) \times (1 + (1 + ((1 + 11) \times (1 + 11^{1+1})))) \\
&:= 2 \times (((2 + 2 + 2)^2 + 2)^2 + 22) \\
&:= (3/3 + 3) \times ((3^{3+3} + 3/3) + 3) \\
&:= 4 + (4 \times ((4 \times (4 \times 44 - 4)) + 44)) \\
&:= 55 + (5^5 - (((5 - (5 + 5)/5)^5) + 5)) \\
&:= 6 + (((6 + 6)/6 + 6 \times 6) \times (66/6 + 66)) \\
&:= 7 \times (7 \times 7 \times 7 + 77) - (7/7 + 7) \\
&:= 8 + (((8 - 88)/8 + 8 \times 8)^{(8+8)/8}) + 8) \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2933 &:= 1 + ((1 + 1) \times (1 + (1 + ((1 + 11) \times (1 + 11^{1+1})))))) \\
&:= 2/2 + (2 \times (((2 + 2 + 2)^2 + 2)^2 + 22)) \\
&:= 3 \times 3 \times 333 - ((3/3 + 3)^3) \\
&:= (44/4 \times (44/4 + 4^4)) - 4 \\
&:= 5^5 - ((5/5 + 5) \times ((5 + 5)/5)^5) \\
&:= 6 + (((66 - 6 - 6)^{(6+6)/6}) + (66/6)) \\
&:= 7 \times (7 \times 7 \times 7 + 77) - 7 \\
&:= ((8 + 8) \times ((88 + 88) + 8)) - 88/8 \\
&:= 9 + ((9 \times (9 + 9) \times (9 + 9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2934 &:= (1 + 1) \times (11 + ((1 + 1 + 11) \times (1 + 111))) \\
&:= 2 + (2 \times (((2 + 2 + 2)^2 + 2)^2 + 22)) \\
&:= 3 \times (((3^3 \times (33 + 3)) + 3) + 3) \\
&:= 4 + ((44/4 \times ((44 - 4)/4 + 4^4)) + 4) \\
&:= 5^5 - ((555/5 + 55) + 5 \times 5) \\
&:= ((6 - 6/6) \times 666) - 6 \times 66 \\
&:= 7/7 + (7 \times (7 \times 7 \times 7 + 77) - 7) \\
&:= 888 + ((8 \times (8 + 8) \times (8 + 8)) - ((8 + 8)/8)) \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2935 &:= 1 + ((1 + 1) \times (11 + ((1 + 1 + 11) \times (1 + 111)))) \\
&:= 2^{22/2} + 2 \times 2 \times 222 - 2/2 \\
&:= 3 + ((3/3 + 3) \times ((3^{3+3} + 3/3) + 3)) \\
&:= ((4 + 4) \times (444/4 + 4^4)) - 4/4 \\
&:= 5 \times (((5 + 5)/5)^5 + 555) \\
&:= 6/6 + (((6 - 6/6) \times 666) - 6 \times 66) \\
&:= (7 + 7)/7 + (7 \times (7 \times 7 \times 7 + 77) - 7) \\
&:= 888 + ((8 \times (8 + 8) \times (8 + 8)) - 8/8) \\
&:= 9 + ((9 \times (9 + 9) \times (9 + 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2936 &:= (1 + 1) \times (((1 + 1 + 11) \times (1 + 1 + 111)) - 1) \\
&:= 2^{22/2} + 2 \times 2 \times 222 \\
&:= 3 + (3 \times 3 \times 333 - ((3/3 + 3)^3)) \\
&:= (4 + 4) \times (444/4 + 4^4) \\
&:= 5 \times 5 + (((55 - 5/5)^{(5+5)/5}) - 5) \\
&:= ((6 + 6)/6 + 6) \times ((6 \times (66 - 6) + 6/6) + 6) \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 77) - (77/7)) \\
&:= 888 + (8 \times (8 + 8) \times (8 + 8)) \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2937 &:= 11 \times (1 + ((1 + 1) \times (1 + (11 \times (1 + 11)))))) \\
&:= (2/2 + 2) \times (2 \times 22^2 + 22/2) \\
&:= 33 \times ((3 \times (3^3 + 3)) - 3/3) \\
&:= 44/4 \times (44/4 + 4^4) \\
&:= 55 + (5^5 - ((5 - (5 + 5)/5)^5)) \\
&:= (6666 \times 6/(6 + 6)) - 6 \times 66 \\
&:= 77/7 + (77 \times (7 \times 7 - 77/7)) \\
&:= 8/8 + ((8 \times (8 + 8) \times (8 + 8)) + 888) \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2938 &:= (1+1) \times ((1+1+11) \times (1+1+111)) \\
&:= 22 + ((2+2+2) \times (22^2+2)) \\
&:= 3/3 + (33 \times ((3 \times (3^3+3)) - 3/3)) \\
&:= 4/4 + (44/4 \times (44/4+4^4)) \\
&:= 5 + (5^5 - ((5/5+5) \times ((5+5)/5)^5)) \\
&:= (6/6+6+6) \times (((66-6)/6) + 6 \times 6 \times 6) \\
&:= 7 \times (7 \times 7 \times 7 + 77) - (7+7)/7 \\
&:= 888 + ((8 \times (8+8) \times (8+8)) + ((8+8)/8)) \\
&:= ((9+9)/9) \times (9 \times 9 \times (9+9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2939 &:= 1 + ((1+1) \times ((1+1+11) \times (1+1+111))) \\
&:= 2 + ((2/2+2) \times (2 \times 22^2 + 22/2)) \\
&:= 3^3 + ((3/3+3) \times (3^{3+3} - 3/3)) \\
&:= (44 \times (4 - 4/4)^4) - (4/4 + 4^4) \\
&:= 5 \times 5 + (55 \times 55 - 555/5) \\
&:= ((6 \times 6 + 6) \times (((6+6)/6)^6 + 6)) - 6/6 \\
&:= 7 \times (7 \times 7 \times 7 + 77) - 7/7 \\
&:= 8 + ((88/8 - 8) \times (((88 \times 88 + 8)/8) + 8)) \\
&:= 9 \times 99 + (((9+9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2940 &:= (1+11) \times (1 + ((1+1) \times (1+11^{1+1}))) \\
&:= (2+2+2) \times ((22^2+2+2) + 2) \\
&:= (3/3+3) \times ((3^{3+3}+3) + 3) \\
&:= (4-4/4) \times (4 \times 4^4 - 44) \\
&:= 5^5 - ((5 \times 5 \times 5 + 55) + 5) \\
&:= (6 \times 6 + 6) \times (((6+6)/6)^6 + 6) \\
&:= 7 \times (7 \times 7 \times 7 + 77) \\
&:= 88 + (((8 \times (8 \times 88 + 8)) + 8) / ((8+8)/8)) \\
&:= (99 - 9/9) \times (((99+9)/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2941 &:= 1 + ((1+11) \times (1 + ((1+1) \times (1+11^{1+1})))) \\
&:= 2/2 + ((2+2+2) \times ((22^2+2+2) + 2)) \\
&:= 3/3 + ((3/3+3) \times ((3^{3+3}+3) + 3)) \\
&:= 4 + (44/4 \times (44/4+4^4)) \\
&:= 5 \times 5 + ((55-5/5)^{(5+5)/5}) \\
&:= 6/6 + ((6 \times 6 + 6) \times (((6+6)/6)^6 + 6)) \\
&:= 7/7 + 7 \times (7 \times 7 \times 7 + 77) \\
&:= 8 + (((8+8) \times ((88+88) + 8)) - (88/8)) \\
&:= ((9-9/9) + 9) \times (99/9 + 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2942 &:= ((111-1-1) \times (1+1+1)^{1+1+1}) - 1 \\
&:= (((2 \times 22) + 2) \times 2^{2+2+2}) - 2 \\
&:= 33 \times (3+3) + ((33/3+3)^3) \\
&:= (4 \times (4 \times ((4 \times 44 + 4) + 4))) - (4+4)/4 \\
&:= 5 + ((55 - ((5 - (5+5)/5)^5)) + 5^5) \\
&:= (6+6)/6 + ((6 \times 6 + 6) \times (((6+6)/6)^6 + 6)) \\
&:= (7+7)/7 + 7 \times (7 \times 7 \times 7 + 77) \\
&:= ((8+8) \times ((88+88) + 8)) - (8+8)/8 \\
&:= 9 + (((9 \times (9+9) \times (9+9) - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2943 &:= (111-1-1) \times (1+1+1)^{1+1+1} \\
&:= (((2 \times 22) + 2) \times 2^{2+2+2}) - 2/2 \\
&:= 3 \times (3 \times (333 - (3+3))) \\
&:= (4 \times (4 \times ((4 \times 44 + 4) + 4))) - 4/4 \\
&:= 5^5 - ((5 \times 5 \times 5 + ((5+5)/5)) + 55) \\
&:= 6 + ((6666 \times 6 / (6+6)) - 6 \times 66) \\
&:= (7+7+7)/7 + 7 \times (7 \times 7 \times 7 + 77) \\
&:= ((8+8) \times ((88+88) + 8)) - 8/8 \\
&:= 9 + ((9 \times (9+9) \times (9+9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2944 &:= 1 + ((111-1-1) \times (1+1+1)^{1+1+1}) \\
&:= ((2 \times 22) + 2) \times 2^{2+2+2} \\
&:= 3/3 + (3 \times (3 \times (333 - (3+3)))) \\
&:= 4 \times (4 \times ((4 \times 44 + 4) + 4)) \\
&:= 5^5 - ((5 \times 5 \times 5 + 55) + 5/5) \\
&:= ((6+6)/6)^6 \times (((66-6)/6) + 6 \times 6) \\
&:= 77/7 + (7 \times (7 \times 7 \times 7 + 77) - 7) \\
&:= (8+8) \times ((88+88) + 8) \\
&:= 9 + (((9 \times (9+9) \times (9+9) + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2945 &:= 1 + (1 + ((111-1-1) \times (1+1+1)^{1+1+1})) \\
&:= 2/2 + (((2 \times 22) + 2) \times 2^{2+2+2}) \\
&:= 3 + (((33/3+3)^3) + 33 \times (3+3)) \\
&:= 4/4 + (4 \times (4 \times ((4 \times 44 + 4) + 4))) \\
&:= 5^5 - (5 \times 5 \times 5 + 55) \\
&:= (6 \times (6 - 6 \times 6)) + ((6-6/6)^{6-6/6}) \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 77) - ((7+7)/7)) \\
&:= 8/8 + ((8+8) \times ((88+88) + 8)) \\
&:= 9 + ((9 \times (9+9) \times (9+9) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2946 &:= (1+1) \times ((11 \times (1+11)^{1+1}) - 111) \\
&:= 2 + (((2 \times 22) + 2) \times 2^{2+2+2}) \\
&:= 3 + (3 \times (3 \times (333 - (3+3)))) \\
&:= (4+4)/4 + (4 \times (4 \times ((4 \times 44 + 4) + 4))) \\
&:= 5^5 + (5/5 - (5 \times 5 \times 5 + 55)) \\
&:= ((6+6) \times (6 \times (6 \times 6 + 6) - 6)) - 6 \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 77) - 7/7) \\
&:= (8+8)/8 + ((8+8) \times ((88+88) + 8)) \\
&:= 999/9 + (9 \times ((9+9) \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2947 &:= ((1+1) \times (11 \times (1 + (1 + (11 \times (1+11)))))) - 1 \\
&:= (22 \times (22 \times (2+2+2) + 2)) - 2/2 \\
&:= 3 + ((3 \times (3 \times (333 - (3+3)))) + 3/3) \\
&:= (44 \times (((4^4 - 4)/4) + 4)) - 4/4 \\
&:= 5^5 + ((5+5)/5 - (5 \times 5 \times 5 + 55)) \\
&:= 6/6 + (((6+6) \times (6 \times (6 \times 6 + 6) - 6)) - 6) \\
&:= 7 + 7 \times (7 \times 7 \times 7 + 77) \\
&:= 888 + ((8 \times (8+8) \times (8+8)) + (88/8)) \\
&:= 9 + (9 \times (9+9) \times (9+9) + ((99+99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2948 &:= (1+1) \times (11 \times (1 + (1 + (11 \times (1+11))))) \\
&:= 22 \times (22 \times (2+2+2) + 2) \\
&:= 33 + ((3 \times (3^3 \times (33+3))) - 3/3) \\
&:= 44 \times (((4^4 - 4)/4) + 4) \\
&:= 5^5 - (((555+55)/5) + 55) \\
&:= (66+6/6) \times (((6+6)/6 + 6 \times 6) + 6) \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 77) + 7/7) \\
&:= 88 + ((8/8 + 8 \times 8) \times (88 / ((8+8)/8))) \\
&:= 9 + (((9+9)/9)^{99/9}) + 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2949 &:= 11 \times 111 + ((1+11)^{1+1+1}) \\
&:= 2/2 + (22 \times (22 \times (2+2+2) + 2)) \\
&:= 33 + (3 \times (3^3 \times (33+3))) \\
&:= 4/4 + (44 \times (((4^4 - 4)/4) + 4)) \\
&:= 5^5 - ((5 \times ((5 \times 5 + 5) + 5)) + 5/5) \\
&:= 66 + ((66 \times (6 \times 6 + 6)) + 666/6) \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 77) + ((7+7)/7)) \\
&:= 8 + (((8+8) \times ((88+88) + 8)) - (88/8) + 8) \\
&:= 9 + ((99-9/9) \times (((99+9)/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2950 &:= 1 + (11 \times 111 + ((1+11)^{1+1+1})) \\
&:= 2 + (22 \times (22 \times (2+2+2) + 2)) \\
&:= 3/3 + ((3 \times (3^3 \times (33+3))) + 33) \\
&:= (4+4)/4 + (44 \times (((4^4 - 4)/4) + 4)) \\
&:= (5+5) \times ((5 \times (55+5)) - 5) \\
&:= ((6+6) \times (6 \times (6 \times 6 + 6) - 6)) - (6+6)/6 \\
&:= 777 + (((7+7+7)/7)^7 - (7+7)) \\
&:= 8 + (((8+8) \times ((88+88) + 8)) - ((8+8)/8)) \\
&:= 9 + (((9-9/9) + 9) \times (99/9 + 9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2951 &:= (1+1+11) \times (1 + ((1+1) \times (1+1+111))) \\
&:= 2222 + ((2/2+2)^{2+2+2}) \\
&:= (3+3)^3 + (((33/3+3)^3) - 3 \times 3) \\
&:= 4 + ((44 \times (((4^4 - 4)/4) + 4)) - 4/4) \\
&:= 5^5 + (5/5 - (5 \times (5 \times 5 + 5) + 5)) \\
&:= ((6+6) \times (6 \times (6 \times 6 + 6) - 6)) - 6/6 \\
&:= 77/7 + 7 \times (7 \times 7 \times 7 + 77) \\
&:= 8 + (((8+8) \times ((88+88) + 8)) - 8/8) \\
&:= ((9+9) \times (((9+9)/9) + 9 \times (9+9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2952 &:= (1+1) \times ((1+11) \times (1 + (1+11^{1+1}))) \\
&:= (22+2) \times ((22/2)^2 + 2) \\
&:= 3 \times ((3 \times (333 - (3+3))) + 3) \\
&:= 4 + (44 \times (((4^4 - 4)/4) + 4)) \\
&:= 5^5 + ((5+5)/5 - (5 \times ((5 \times 5 + 5) + 5))) \\
&:= (6+6) \times (6 \times (6 \times 6 + 6) - 6) \\
&:= (7-7/7) \times (7 \times (77-7) + ((7+7)/7)) \\
&:= 8 + ((8+8) \times ((88+88) + 8)) \\
&:= (9+9) \times (((9+9)/9) + 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2953 &:= 1 + ((1+1) \times ((1+11) \times (1 + (1+11^{1+1})))) \\
&:= 2/2 + ((22+2) \times ((22/2)^2 + 2)) \\
&:= 3/3 + (3 \times ((3 \times (333 - (3+3))) + 3)) \\
&:= 4 + ((44 \times (((4^4 - 4)/4) + 4)) + 4/4) \\
&:= 5^5 - (((555+5)/5 + 55) + 5) \\
&:= 6/6 + ((6+6) \times (6 \times (6 \times 6 + 6) - 6)) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 + 77) - 7/7) + 7) \\
&:= 8 + (((8+8) \times ((88+88) + 8)) + 8/8) \\
&:= 9/9 + ((9+9) \times (((9+9)/9) + 9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2954 &:= (1+1) \times (1 + ((1+11) \times (1 + (1+11^{1+1})))) \\
&:= 2 + ((22+2) \times ((22/2)^2 + 2)) \\
&:= (3+3)^3 + (((33/3+3)^3) - (3+3)) \\
&:= 4 + ((44 \times (((4^4 - 4)/4) + 4)) + (4+4)/4) \\
&:= 5^5 - ((555/5 + 55) + 5) \\
&:= (6+6)/6 + ((6+6) \times (6 \times (6 \times 6 + 6) - 6)) \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 77) + 7) \\
&:= 8 + (((8+8) \times ((88+88) + 8)) + ((8+8)/8)) \\
&:= 9 + (((9 \times (9+9) \times (9+9) + 99/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2955 &:= 1 + ((1+1) \times (1 + ((1+11) \times (1 + (1+11^{1+1})))))) \\
&:= 2 + (((22+2) \times ((22/2)^2 + 2)) + 2/2) \\
&:= (3 \times (3 \times 333 - 3)) - 33 \\
&:= 44/4 + (4 \times (4 \times ((4 \times 44 + 4) + 4))) \\
&:= 5 + ((5+5) \times ((5 \times (55+5) - 5)) \\
&:= 666/6 + (6 \times ((6 \times (66+6+6) + 6)) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 + 77) + 7/7) + 7) \\
&:= 88/8 + ((8+8) \times ((88+88) + 8)) \\
&:= 9 + ((9 \times ((9+9) \times (9+9) - 9)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2956 &:= (1+1) \times (1 + (1 + ((1+11) \times (1 + (1+11^{1+1})))))) \\
&:= 2 + (((22+2) \times ((22/2)^2 + 2)) + 2) \\
&:= 3/3 + ((3 \times (3 \times 333 - 3)) - 33) \\
&:= 4 \times 4^4 + (44 \times 44 - 4) \\
&:= 5 + ((5/5 - (5 \times ((5 \times 5 + 5) + 5))) + 5^5) \\
&:= 6 + (((6+6) \times (6 \times (6 \times 6 + 6) - 6)) - ((6+6)/6)) \\
&:= 7 + ((7 \times (7 \times 7 \times 7 + 77) + ((7+7)/7)) + 7) \\
&:= ((88+8)/8) + ((8+8) \times ((88+88) + 8)) \\
&:= ((9+9)/9) \times ((9 \times 9 \times (9+9) + 99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2957 &:= ((1+1+1) \times ((1+1)^{11-1} - 1)) - (1+111) \\
&:= (2 \times 22)^2 + (((2^{22/2} - 2)/2) - 2) \\
&:= (3+3)^3 + (((33/3+3)^3) - 3) \\
&:= 4/4 + ((44 \times 44 - 4) + 4 \times 4^4) \\
&:= 5^5 + (((5+5)/5 + 5) \times (5/5 - 5 \times 5)) \\
&:= 6 + (((6+6) \times (6 \times (6 \times 6 + 6) - 6)) - 6/6) \\
&:= 777 + (((7+7+7)/7)^7 - 7) \\
&:= ((8 \times 8 - 8) \times (8 \times 8 - 88/8)) - 88/8 \\
&:= 9 + (((9+9)/9)^{99/9} + 9 \times 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2958 &:= ((1+1+1) \times ((1+1)^{11-1} - 1)) - 111 \\
&:= 2 \times ((2 \times (22 - 2))^2 - (22/2)^2) \\
&:= (3 \times ((3 \times (333 - 3)) - 3)) - 3 \\
&:= 4 \times 4^4 + (44 \times 44 - (4+4)/4) \\
&:= 5^5 - ((555+5)/5 + 55) \\
&:= 6 + ((6+6) \times (6 \times (6 \times 6 + 6) - 6)) \\
&:= 7 + (7 \times (7 \times 7 \times 7 + 77) + (77/7)) \\
&:= ((8+8)/8) \times ((8/8+8+8) \times (88 - 8/8)) \\
&:= (99/9 + 9 + 9) \times (999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2959 &:= 11 \times (1 + ((1+1) \times (1 + (1 + (11 \times (1+11)))))) \\
&:= (2 \times 22)^2 + ((2^{22/2} - 2)/2) \\
&:= (3 \times (3 \times (333 - 3))) - 33/3 \\
&:= 4 \times 4^4 + (44 \times 44 - 4/4) \\
&:= 5^5 - (555/5 + 55) \\
&:= 6 + (((6+6) \times (6 \times (6 \times 6 + 6) - 6)) + 6/6) \\
&:= 77/7 \times ((7 \times 7 \times 77 - 7)/(7+7)) \\
&:= 8 + (((8+8) \times ((88+88) + 8)) - 8/8 + 8) \\
&:= 999 + ((99 - 9/9) \times (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2960 &:= (11 - 1) \times ((11 \times (1+1+1)^{1+1+1}) - 1) \\
&:= 2 \times (2 \times (2^{2 \times (2+2)} + 22^2)) \\
&:= (3+3)^3 + ((33/3+3)^3) \\
&:= 4 \times 4^4 + 44 \times 44 \\
&:= 5^5 + (55 \times ((5+5)/5 - 5)) \\
&:= (6 \times ((6+6) \times (6 \times 6 + 6))) - ((6+6)/6)^6 \\
&:= (7 \times ((77 \times 77 - 7)/(7+7))) - 7/7 \\
&:= 8 + (((8+8) \times ((88+88) + 8)) + 8) \\
&:= (9/9 + 9) \times ((99 \times (9+9+9) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2961 &:= ((1+1+1) \times (1+1)^{11-1}) - 111 \\
&:= (2 \times 22)^2 + ((2^{22/2} + 2)/2) \\
&:= 3 \times ((3 \times (333 - 3)) - 3) \\
&:= 4/4 + (44 \times 44 + 4 \times 4^4) \\
&:= 5^5 + (555/5 - 5 \times 55) \\
&:= (66/6 + 6 \times 6) \times (66 - (6 \times 6/(6+6))) \\
&:= 7 \times ((77 \times 77 - 7)/(7+7)) \\
&:= (8 - 8/8) \times (8 \times 8 \times 8 - (8/8 + 88)) \\
&:= 9 + ((9+9) \times (((9+9)/9) + 9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2962 &:= 1 + (((1+1+1) \times (1+1)^{11-1}) - 111) \\
&:= 2 + ((2^{2 \times (2+2)+2}) + (2 \times 22)^2) \\
&:= 3/3 + (3 \times ((3 \times (333 - 3)) - 3)) \\
&:= (4+4)/4 + (44 \times 44 + 4 \times 4^4) \\
&:= 5^5 + ((555+5)/5 - 5 \times 55) \\
&:= ((66 - 6)/6) + ((6+6) \times (6 \times (6 \times 6 + 6) - 6)) \\
&:= 7/7 + (7 \times ((77 \times 77 - 7)/(7+7))) \\
&:= ((8 - 888)/8) + (8 \times (8 \times (8 \times 8 - (8+8)))) \\
&:= 9 + (((9+9) \times ((9+9)/9) + 9 \times (9+9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2963 &:= ((1+1) \times ((1+1)^{11} - 11)) - 1111 \\
&:= 2 + (((2^{22/2} + 2)/2) + (2 \times 22)^2) \\
&:= 3 + (((33/3+3)^3) + (3+3)^3) \\
&:= 4 + ((44 \times 44 - 4/4) + 4 \times 4^4) \\
&:= 5 + (5^5 - ((555+5)/5 + 55)) \\
&:= 66/6 + ((6+6) \times (6 \times (6 \times 6 + 6) - 6)) \\
&:= 777 + (((7+7+7)/7)^7 - 7/7) \\
&:= (8888 + 8/8)/(88/8 - 8) \\
&:= 99/9 + ((9+9) \times (((9+9)/9) + 9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2964 &:= (1+1) \times ((1+1+11) \times (1+1+1+111)) \\
&:= 2 \times ((2 \times (2^{2 \times (2+2)} + 22^2)) + 2) \\
&:= 3 \times 3 \times 333 - 33 \\
&:= 4 + (44 \times 44 + 4 \times 4^4) \\
&:= 5 + (5^5 - (555/5 + 55)) \\
&:= 6 + (((6+6) \times (6 \times (6 \times 6 + 6) - 6)) + 6) \\
&:= 777 + ((7+7+7)/7)^7 \\
&:= ((88+8)/8) \times ((8+8) \times (8+8) - (8/8+8)) \\
&:= ((9+9+9)/9) \times (999 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2965 &:= 1 + ((1+1) \times ((1+1+11) \times (1+1+1+111))) \\
&:= ((22+2/2) \times ((2^{2 \times (2+2)} + 2)/2)) - 2 \\
&:= 3/3 + (3 \times 3 \times 333 - 33) \\
&:= 4 + ((44 \times 44 + 4 \times 4^4) + 4/4) \\
&:= 5^5 - (5 \times ((5+5)/5)^5) \\
&:= 6 + (((6+6) \times (6 \times (6 \times 6 + 6) - 6)) + 6/6 + 6) \\
&:= (77 \times 77 + 7/7)/(7+7)/7 \\
&:= (8/8 - (8888 + 8))/8 - 88/8 \\
&:= 9 \times (9+9) \times (9+9) + ((9 \times 99 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2966 &:= ((1+1+1) \times ((11-1)^{1+1+1} - 11)) - 1 \\
&:= 22 + (((2 \times 22) + 2) \times 2^{2+2+2}) \\
&:= (3 \times (3 \times (333 - 3))) - (3/3 + 3) \\
&:= ((44+4/4) \times ((4^4 + 4+4)/4)) - 4 \\
&:= 5^5 + (5/5 - (5 \times ((5+5)/5)^5)) \\
&:= 6 + ((6 \times ((6+6) \times (6 \times 6 + 6))) - ((6+6)/6)^6) \\
&:= 7 + (77/7 \times ((7 \times 7 \times 77 - 7)/(7+7))) \\
&:= ((8 \times 8 - 8) \times (8 \times 8 - 88/8)) - (8+8)/8 \\
&:= 999 + (((9+9)/9)^{99/9} - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2967 &:= (1+1+1) \times ((11-1)^{1+1+1} - 11) \\
&:= (22+2/2) \times ((2^{2 \times (2+2)} + 2)/2) \\
&:= (3 \times (3 \times (333 - 3))) - 3 \\
&:= (44 - 4/4) \times ((4^4 + 4)/4 + 4) \\
&:= 5^5 + ((5+5)/5 - (5 \times ((5+5)/5)^5)) \\
&:= ((6 \times 6 + 6/6) + 6) \times (6 \times 6/(6+6) + 66) \\
&:= ((7/7 - 7) + 7 \times 7) \times (77 - (7/7 + 7)) \\
&:= ((8 - 8/8 + 8) + 8) \times (8 \times (8+8) + 8/8) \\
&:= ((9+9+9)/9) \times (999 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2968 &:= 1 + ((1 + 1 + 1) \times ((11 - 1)^{1+1+1} - 11)) \\
&:= 2 \times (2 \times ((2^{2 \times (2+2)} + 22^2) + 2)) \\
&:= 3/3 + ((3 \times (3 \times (333 - 3))) - 3) \\
&:= 4 + ((44 \times 44 + 4 \times 4^4) + 4) \\
&:= 5^5 - (((5 + 5)/5)^5 + 5 \times 5 \times 5) \\
&:= (6/6 + 6) \times (6 \times (66 - 6) + ((6 + 6)/6)^6) \\
&:= 7 \times ((77 \times 77 + 7)/(7 + 7)) \\
&:= (8 \times 8 - 8) \times (8 \times 8 - 88/8) \\
&:= ((9 + 9)/9) \times ((9 \times (99 + 9)) + (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2969 &:= ((111 - 1) \times (1 + 1 + 1)^{1+1+1}) - 1 \\
&:= 2 + ((22 + 2/2) \times ((2^{2 \times (2+2)} + 2)/2)) \\
&:= (3 \times (3 \times (333 - 3))) - 3/3 \\
&:= 44 + ((44 + 4/4) \times (4^4 + 4)/4) \\
&:= 5^5 + ((5^5 - 5)/(5 - 5 \times 5)) \\
&:= (66 \times (666/6 - 66)) - 6/6 \\
&:= 7/7 + (7 \times ((77 \times 77 + 7)/(7 + 7))) \\
&:= 8/8 + ((8 \times 8 - 8) \times (8 \times 8 - 88/8)) \\
&:= (99 \times (((99 + 9)/9) + 9) + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2970 &:= (111 - 1) \times (1 + 1 + 1)^{1+1+1} \\
&:= 22 \times (222/2 + 22 + 2) \\
&:= 3 \times (3 \times (333 - 3)) \\
&:= (44 + 4/4) \times ((4^4 + 4 + 4)/4) \\
&:= 55 \times (55 - 5/5) \\
&:= 66 \times (666/6 - 66) \\
&:= 77/7 \times ((7 \times 7 \times 77 + 7)/(7 + 7)) \\
&:= (88/8 + 8 + 8) \times (888 - 8)/8 \\
&:= 99 \times (((99 + 9)/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2971 &:= 1 + ((111 - 1) \times (1 + 1 + 1)^{1+1+1}) \\
&:= 2/2 + (22 \times (222/2 + 22 + 2)) \\
&:= 3/3 + (3 \times (3 \times (333 - 3))) \\
&:= 4 + ((44 - 4/4) \times ((4^4 + 4)/4 + 4)) \\
&:= 5/5 + (55 \times (55 - 5/5)) \\
&:= 6/6 + (66 \times (666/6 - 66)) \\
&:= 7 + (((7 + 7 + 7)/7)^7 + 777) \\
&:= 8 + ((8888 + 8/8)/(88/8 - 8)) \\
&:= 9/9 + (99 \times (((99 + 9)/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2972 &:= 1 + (1 + ((111 - 1) \times (1 + 1 + 1)^{1+1+1})) \\
&:= 2 + (22 \times (222/2 + 22 + 2)) \\
&:= 3 + ((3 \times (3 \times (333 - 3))) - 3/3) \\
&:= (((4 + 4) + 4) \times (4^4 - 4 - 4)) - 4 \\
&:= (5 + 5)/5 + (55 \times (55 - 5/5)) \\
&:= (6 + 6)/6 + (66 \times (666/6 - 66)) \\
&:= 7 + ((77 \times 77 + 7/7)/(7 + 7/7)) \\
&:= 8 + (((88 + 8)/8) \times ((8 + 8) \times (8 + 8) - (8/8 + 8))) \\
&:= (9 + 9)/9 + (99 \times (((99 + 9)/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2973 &:= (1 + 1 + 1) \times (1 + ((11 - 1 - 1) \times (111 - 1))) \\
&:= (2/2 + 2) \times ((2 \times 22^2 + 22) + 2/2) \\
&:= 3 + (3 \times (3 \times (333 - 3))) \\
&:= 4/4 + (((4 + 4) + 4) \times (4^4 - 4 - 4)) - 4 \\
&:= 5^5 - (5 \times (5 \times 5 + 5) + ((5 + 5)/5)) \\
&:= (6 \times (6 - 66)) + (6666 \times 6/(6 + 6)) \\
&:= 7777/7 + (7 \times (7 \times 7 \times 7 - 77)) \\
&:= (8 \times (8 \times (8 \times 8 - (8 + 8)))) - (88/8 + 88) \\
&:= ((9 + 9 + 9)/9) \times ((999 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2974 &:= ((1 + 1)^{1+1+1}) - (11 + 1111) \\
&:= 22 + ((22 + 2) \times ((22/2)^2 + 2)) \\
&:= 3 + ((3 \times (3 \times (333 - 3))) + 3/3) \\
&:= 4 + ((44 + 4/4) \times ((4^4 + 4 + 4)/4)) \\
&:= 5^5 - (5 \times (5 \times 5 + 5) + 5/5) \\
&:= (((6 + 6)/6)^{6+6}) - (66 \times (66/6 + 6)) \\
&:= 7 + (((7/7 - 7) + 7 \times 7) \times (77 - (7/7 + 7))) \\
&:= (8 \times 8 \times 8 \times 8) - ((8888 + 88)/8) \\
&:= 9 \times 9 + (9999/9 + (9 + 9) \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2975 &:= 1 + (((1 + 1)^{1+1+1}) - (11 + 1111)) \\
&:= ((22 + 2/2) + 2) \times ((22/2)^2 - 2) \\
&:= 3 + (((3 \times (3 \times (333 - 3))) - 3/3) + 3) \\
&:= (4 \times 4 + 4/4) \times (4 \times 44 - 4/4) \\
&:= 5^5 - 5 \times (5 \times 5 + 5) \\
&:= (6/6 + 6) \times ((6 \times (66 + 6)) - (6/6 + 6)) \\
&:= 7 + (7 \times ((77 \times 77 + 7)/(7 + 7))) \\
&:= (8 - 8/8) \times ((8 \times 8 \times 8 - 88) + 8/8) \\
&:= 9 \times ((9 + 9) \times (9 + 9) + 9) - ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2976 &:= (1 + 1) \times ((1 + 11) \times (1 + (1 + (1 + 11^{1+1})))) \\
&:= 2 \times ((22 + 2) \times (2^{2+2+2} - 2)) \\
&:= 3 + ((3 \times (3 \times (333 - 3))) + 3) \\
&:= ((4 + 4) + 4) \times (4^4 - 4 - 4) \\
&:= 5^5 + (5/5 - 5 \times (5 \times 5 + 5)) \\
&:= 6 + (66 \times (666/6 - 66)) \\
&:= (7 - 7/7) \times ((7 \times (77 - 7) - 7/7) + 7) \\
&:= 8 + ((8 \times 8 - 8) \times (8 \times 8 - 88/8)) \\
&:= 9 + (((9 + 9 + 9)/9) \times (999 - (9/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2977 &:= 1 + ((1 + 1) \times ((1 + 11) \times (1 + (1 + (1 + 11^{1+1})))))) \\
&:= 2 + (((22 + 2/2) + 2) \times ((22/2)^2 - 2)) \\
&:= (3 \times (3 \times 333 - 3)) - 33/3 \\
&:= 4/4 + (((4 + 4) + 4) \times (4^4 - 4 - 4)) \\
&:= 5^5 + ((5 + 5)/5 - 5 \times (5 \times 5 + 5)) \\
&:= (6 \times ((6 \times (66 + 6)) + 66)) - 66/6 \\
&:= 7 + (77/7 \times ((7 \times 7 \times 77 + 7)/(7 + 7))) \\
&:= (8 \times 8 \times 8 \times 8) - (8888/8 + 8) \\
&:= 9 \times ((9 + 9) \times (9 + 9) + 9) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2978 &:= ((1 + ((1 + 1)^{1+1+1+1+1+1})))/11 - 1 \\
&:= (2 \times (2 \times (22 - 2))^2) - 222 \\
&:= (3 \times ((3 \times (333 - 3)) + 3)) - 3/3 \\
&:= (4 + 4)/4 + (((4 + 4) + 4) \times (4^4 - 4 - 4)) \\
&:= 5 + (5^5 - (5 \times (5 \times 5 + 5) + ((5 + 5)/5))) \\
&:= 666 + (6 \times 6 \times 66 - ((6 + 6)/6)^6) \\
&:= 7 + (((7 + 7 + 7)/7)^7 + 777) + 7) \\
&:= 8 + ((88/8 + 8 + 8) \times (888 - 8)/8) \\
&:= 9 \times ((9 + 9) \times (9 + 9) + 9) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2979 &:= (1 + ((1 + 1)^{1+1+1+1+1+1}))/11 \\
&:= 2/2 + ((2 \times (2 \times (22 - 2))^2) - 222) \\
&:= 3 \times ((3 \times (333 - 3)) + 3) \\
&:= 4 + ((4 \times 4 + 4/4) \times (4 \times 44 - 4/4)) \\
&:= 5 + (5^5 - (5 \times (5 \times 5 + 5) + 5/5)) \\
&:= 66 \times (6 + 6) + ((6 \times 6)/(6 + 6))^{6/6+6} \\
&:= 7 + (((77 \times 77 + 7/7)/(7 + 7/7)) + 7) \\
&:= 88/8 + ((8 \times 8 - 8) \times (8 \times 8 - 88/8)) \\
&:= 9 \times ((9 + 9) \times (9 + 9) + 9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2980 &:= 1 + ((1 + ((1 + 1)^{1+1+1+1+1+1}))/11) \\
&:= 2 + ((2 \times (2 \times (22 - 2))^2) - 222) \\
&:= 3/3 + (3 \times ((3 \times (333 - 3)) + 3)) \\
&:= 4 + (((4 + 4) + 4) \times (4^4 - 4 - 4)) \\
&:= 5 + (5^5 - 5 \times (5 \times 5 + 5)) \\
&:= (6 - 6/6) \times (666 - (((6 + 6)/6)^6 + 6)) \\
&:= (7 - ((7 + 7)/7)) \times ((7 \times (77 + 7) + 7/7) + 7) \\
&:= 8 \times 8 + (((8 - 88)/8 + 8 \times 8)^{(8+8)/8}) \\
&:= 9/9 + (9 \times ((9 + 9) \times (9 + 9) + 9) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2981 &:= 11 + ((111 - 1) \times (1 + 1 + 1)^{1+1+1}) \\
&:= ((22/2 + 2 \times 22)^2) - (2 \times 22) \\
&:= 33/3 + (3 \times (3 \times (333 - 3))) \\
&:= ((4 + 4)^4) - (4444/4 + 4) \\
&:= 5 + ((5/5 - 5 \times (5 \times 5 + 5)) + 5^5) \\
&:= (((6 - 6/6)^{6-6/6}) - (6 + 6) \times (6 + 6)) \\
&:= (7 \times (7 \times 7 \times 7 + 77 + 7)) - (7/7 + 7) \\
&:= 88/8 \times (((8 + 8) \times (8 + 8) - 8/8) + 8) + 8) \\
&:= 9 \times 9 + ((9/9 + 99) \times (99/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2982 &:= ((1 + 1)^{1+1+1}) - (1 + (1 + (1 + 1111))) \\
&:= 22^2 + ((2 \times (22 + 2) + 2)^2 - 2) \\
&:= 3 + (3 \times ((3 \times (333 - 3)) + 3)) \\
&:= ((4 + 4)^4) + (((4 - 4444)/4) - 4) \\
&:= 5 + (((5 + 5)/5 - 5 \times (5 \times 5 + 5)) + 5^5) \\
&:= (6/6 + 6) \times ((6 \times (66 + 6)) - 6) \\
&:= (7 - 7/7) \times (7 \times (77 - 7) + 7) \\
&:= (8 - 8/8) \times ((8 \times 8 \times 8 - 88) + ((8 + 8)/8)) \\
&:= 9 + (((9 + 9 + 9)/9) \times ((999 - 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2983 &:= ((1+1)^{1+11}) - (1+(1+1111)) \\
&:= 2 + (((22/2 + 2 \times 22)^2) - (2 \times 22)) \\
&:= 3 \times 3 \times 333 - (33/3 + 3) \\
&:= 4^4 + (((44 \times (4^4 - 4 - 4)) - 4)/4) \\
&:= 5^5 + (((5 - 5 \times 5 \times 55)/(5+5)) - 5) \\
&:= 6/6 + ((6/6 + 6) \times ((6 \times (66 + 6)) - 6)) \\
&:= 7/7 + ((7 - 7/7) \times (7 \times (77 - 7) + 7)) \\
&:= (8 \times (8 \times (8 \times 8 - (8 + 8)))) - (8/8 + 88) \\
&:= 9 + ((9999/9 + (9 + 9) \times 99) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2984 &:= ((1+1)^{1+11}) - (1+1111) \\
&:= 2 \times (2 \times (2 \times 22^2 - 222)) \\
&:= (3 \times (3 \times 333 - 3)) - (3/3 + 3) \\
&:= (44 \times (4 \times 4 \times 4 + 4)) - 4 - 4 \\
&:= 5^5 - ((555/5 + 5 \times 5) + 5) \\
&:= (6 + 6)/6 + ((6/6 + 6) \times ((6 \times (66 + 6)) - 6)) \\
&:= (7 + 7)/7 + ((7 - 7/7) \times (7 \times (77 - 7) + 7)) \\
&:= (8 \times (8 \times (8 \times 8 - (8 + 8)))) - 88 \\
&:= (9 - 9/9) \times (((9 \times 9 \times 9 \times 9) - 9)/(9 + 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2985 &:= ((1+1)^{1+11}) - 1111 \\
&:= (2^{2 \times (2+2+2)}) - 2222/2 \\
&:= (3 \times (3 \times 333 - 3)) - 3 \\
&:= ((4 + 4)^4) - 4444/4 \\
&:= 5 + ((5^5 - 5 \times (5 \times 5 + 5)) + 5) \\
&:= (((6 + 6)/6)^{6+6}) - (6666/6) \\
&:= 7 \times 7 \times 77 - (77/7 + 777) \\
&:= (8 \times 8 \times 8 \times 8) - 8888/8 \\
&:= 9 \times ((9 + 9) \times (9 + 9) + 9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2986 &:= 1 + (((1+1)^{1+11}) - 1111) \\
&:= 2 + ((2 \times (22 + 2) + 2)^2 + 22^2) \\
&:= 3 \times 3 \times 333 - 33/3 \\
&:= ((4 + 4)^4) + ((4 - 4444)/4) \\
&:= 5^5 + (55/5 - 5 \times (5 \times 5 + 5)) \\
&:= (6 \times ((6 \times (66 + 6)) + 66)) - (6 + 6)/6 \\
&:= 777 + ((7 \times 7 - (7 + 7)/7)^{(7+7)/7}) \\
&:= (8 \times 8 \times 8 \times 8) + ((8 - 8888)/8) \\
&:= 9 \times ((9 + 9) \times (9 + 9) + 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2987 &:= 1 + (1 + (((1+1)^{1+11}) - 1111)) \\
&:= 2 + ((2^{2 \times (2+2+2)}) - (2222/2)) \\
&:= (3 \times (3 \times 333 - 3)) - 3/3 \\
&:= (44 \times (4 \times 4 \times 4 + 4)) - (4/4 + 4) \\
&:= 5^5 - ((5 \times 5 \times 55 + 5)/(5 + 5)) \\
&:= (6 \times ((6 \times (66 + 6)) + 66)) - 6/6 \\
&:= (7 \times (7 \times 7 \times 7 + 77 + 7)) - (7 + 7)/7 \\
&:= (8 \times 8 \times 8 \times 8) + (((8 - 8888) + 8)/8) \\
&:= 9 \times ((9 + 9) \times (9 + 9) + 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2988 &:= (11 - 1 - 1) \times ((1+1+1) \times 111 - 1) \\
&:= 2 \times ((2 \times (2 \times 22^2 - 222)) + 2) \\
&:= 3 \times (3 \times 333 - 3) \\
&:= (44 \times (4 \times 4 \times 4 + 4)) - 4 \\
&:= 5^5 + ((5 - 5 \times 5 \times 55)/(5 + 5)) \\
&:= 6 \times ((6 \times (66 + 6)) + 66) \\
&:= (7 \times (7 \times 7 \times 7 + 77 + 7)) - 7/7 \\
&:= ((88 + 8)/8) \times (((8 + 8) \times (8 + 8) - 8) + 8/8) \\
&:= 9 \times ((9 + 9) \times (9 + 9) + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2989 &:= ((1+1+1) \times (11-1)^{1+1+1}) - 11 \\
&:= (2 \times (22^2 - 2)) + (2 \times 22 + 2/2)^2 \\
&:= 3/3 + (3 \times (3 \times 333 - 3)) \\
&:= 4 + (((4 + 4)^4) - 4444/4) \\
&:= 5^5 - (555/5 + 5 \times 5) \\
&:= 6/6 + (6 \times ((6 \times (66 + 6)) + 66)) \\
&:= 7 \times (7 \times 7 \times 7 + 77 + 7) \\
&:= (888/8 \times (88/8 + 8 + 8)) - 8 \\
&:= 9/9 + (9 \times ((9 + 9) \times (9 + 9) + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2990 &:= 1 + (((1+1+1) \times (11-1)^{1+1+1}) - 11) \\
&:= 2 \times ((2 \times 22)^2 - ((22 - 2/2)^2)) \\
&:= 3 + ((3 \times (3 \times 333 - 3)) - 3/3) \\
&:= (4^4 + 4)/4 \times ((4 + 4)/4 + 44) \\
&:= 5^5 - ((5 \times 5 \times 5 + 5) + 5) \\
&:= (6 + 6)/6 + (6 \times ((6 \times (66 + 6)) + 66)) \\
&:= 7/7 + (7 \times (7 \times 7 \times 7 + 77 + 7)) \\
&:= ((8 + 8)/8) \times ((88 \times (8 + 8) - 8/8) + 88) \\
&:= (9 + 9)/9 + (9 \times ((9 + 9) \times (9 + 9) + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2991 &:= (1+1+1) \times ((11-1)^{1+1+1} - (1+1+1)) \\
&:= 2 \times 22^2 + ((2 \times 22 + 2/2)^2 - 2) \\
&:= 3 + (3 \times (3 \times 333 - 3)) \\
&:= (44 \times (4 \times 4 \times 4 + 4)) - 4/4 \\
&:= 5^5 + (5/5 - ((5 \times 5 \times 5 + 5) + 5)) \\
&:= 6 + (((6 + 6)/6)^{6+6}) - (6666/6) \\
&:= (7 + 7)/7 + (7 \times (7 \times 7 \times 7 + 77 + 7)) \\
&:= ((8/8 + 8 + 8) \times (88 + 88)) - 8/8 \\
&:= ((9 + 9 + 9)/9) \times (999 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2992 &:= 11 \times (((1+1+11) \times (11 + (11-1))) - 1) \\
&:= 2 \times (2 \times (22 \times ((2 \times 2^{2+2}) + 2))) \\
&:= 3 + ((3 \times (3 \times 333 - 3)) + 3/3) \\
&:= 44 \times (4 \times 4 \times 4 + 4) \\
&:= 5 + (5^5 - ((5 \times 5 \times 55 + 5)/(5 + 5))) \\
&:= 6 + ((6 \times ((6 \times (66 + 6)) + 66)) - ((6 + 6)/6)) \\
&:= 7 + (7 \times 7 \times 77 - (77/7 + 777)) \\
&:= (8/8 + 8 + 8) \times (88 + 88) \\
&:= 99 + (9999/9 + (9 + 9) \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2993 &:= ((1+1+1) \times ((11-1)^{1+1+1} - (1+1))) - 1 \\
&:= 2 \times 22^2 + (2 \times 22 + 2/2)^2 \\
&:= 3 \times 3 \times 333 - (3/3 + 3) \\
&:= 4/4 + (44 \times (4 \times 4 \times 4 + 4)) \\
&:= 55 \times 55 - ((5 + 5)/5)^5 \\
&:= 6 + ((6 \times ((6 \times (66 + 6)) + 66)) - 6/6) \\
&:= ((7/7 + 7 \times 7) \times (77/7 + 7 \times 7)) - 7 \\
&:= 8 + ((8 \times 8 \times 8 \times 8) - 8888/8) \\
&:= ((9 - 9 \times 9)/(9 + 9)) + 9 \times ((9 + 9) \times (9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2994 &:= (1+1+1) \times ((11-1)^{1+1+1} - (1+1)) \\
&:= 2 + (2 \times (2 \times (22 \times ((2 \times 2^{2+2}) + 2)))) \\
&:= 3 \times 3 \times 333 - 3 \\
&:= (4 + 4)/4 + (44 \times (4 \times 4 \times 4 + 4)) \\
&:= 5^5 - ((5 \times 5 \times 5 + 5/5) + 5) \\
&:= 6 + (6 \times ((6 \times (66 + 6)) + 66)) \\
&:= 7 \times 7 \times 77 - (((7 + 7)/7) + 777) \\
&:= 8 + (((8 - 8888)/8) + (8 \times 8 \times 8 \times 8)) \\
&:= ((9 + 9 + 9)/9) \times (999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2995 &:= (111 \times (1+1+1)^{1+1+1}) - 1 - 1 \\
&:= 2 + ((2 \times 22 + 2/2)^2 + 2 \times 22^2) \\
&:= 3/3 + (3 \times 3 \times 333 - 3) \\
&:= 4 + ((44 \times (4 \times 4 \times 4 + 4)) - 4/4) \\
&:= 5^5 - (5 \times 5 \times 5 + 5) \\
&:= 6 + ((6 \times ((6 \times (66 + 6)) + 66)) + 6/6) \\
&:= 7 \times 7 \times 77 - (777 + 7/7) \\
&:= 88/8 + ((8 \times (8 \times (8 \times 8 - (8 + 8)))) - 88) \\
&:= 9 \times ((9 + 9) \times (9 + 9) + 9) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2996 &:= (111 \times (1+1+1)^{1+1+1}) - 1 \\
&:= 2 \times ((2 \times (22 \times ((2 \times 2^{2+2}) + 2))) + 2) \\
&:= 3 \times 3 \times 333 - 3/3 \\
&:= 4 + (44 \times (4 \times 4 \times 4 + 4)) \\
&:= 5^5 + (5/5 - (5 \times 5 \times 5 + 5)) \\
&:= 6 + ((6 \times ((6 \times (66 + 6)) + 66)) + ((6 + 6)/6)) \\
&:= 7 \times 7 \times 77 - 777 \\
&:= (8 - 8/8) \times (888/((8 + 8)/8) - (8 + 8)) \\
&:= 9 \times ((9 + 9) \times (9 + 9) + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2997 &:= 111 \times (1+1+1)^{1+1+1} \\
&:= 222/2 \times (((22 + 2/2) + 2) + 2) \\
&:= 3 \times 3 \times 333 \\
&:= 4 + ((44 \times (4 \times 4 \times 4 + 4)) + 4/4) \\
&:= 5^5 + ((5 + 5)/5 - (5 \times 5 \times 5 + 5)) \\
&:= 666/6 \times ((66 \times 6/(6 + 6)) - 6) \\
&:= 7/7 + (7 \times 7 \times 77 - 777) \\
&:= 888/8 \times (88/8 + 8 + 8) \\
&:= 9 \times ((9 + 9) \times (9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2998 &:= 1 + (111 \times (1 + 1 + 1)^{1+1+1}) \\
&:= 2 \times ((2 \times (22 - 2) - 2/2)^2) - 22 \\
&:= 3/3 + 3 \times 3 \times 333 \\
&:= 4 + ((44 \times (4 \times 4 \times 4 + 4)) + (4 + 4)/4) \\
&:= 5^5 - (5 \times 5 \times 5 + ((5 + 5)/5)) \\
&:= ((66 - 6)/6) + (6 \times ((6 \times (66 + 6)) + 66)) \\
&:= (7 + 7)/7 + (7 \times 7 \times 77 - 777) \\
&:= 8/8 + (888/8 \times (88/8 + 8 + 8)) \\
&:= 9/9 + 9 \times (9 + 9) \times (9 + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 2999 &:= ((1 + 1 + 1) \times (11 - 1)^{1+1+1}) - 1 \\
&:= 2 + (222/2 \times (((22 + 2/2) + 2) + 2)) \\
&:= 3 + (3 \times 3 \times 333 - 3/3) \\
&:= 4 + (((44 \times (4 \times 4 \times 4 + 4)) - 4/4) + 4) \\
&:= 5^5 - (5 \times 5 \times 5 + 5/5) \\
&:= 66/6 + (6 \times ((6 \times (66 + 6)) + 66)) \\
&:= 777 + (((7 + 7)/7) \times 777/7) \\
&:= 888 + ((88 \times (8 + 8 + 8)) - 8/8) \\
&:= (9 + 9)/9 + 9 \times (9 + 9) \times (9 + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3000 &:= (1 + 1 + 1) \times (11 - 1)^{1+1+1} \\
&:= (2 + 2 + 2) \times (2^{2+2} + 22^2) \\
&:= 3 + 3 \times 3 \times 333 \\
&:= 4 + ((44 \times (4 \times 4 \times 4 + 4)) + 4) \\
&:= 5^5 - 5 \times 5 \times 5 \\
&:= (6 - 6/6) \times (666 - 66) \\
&:= (7/7 + 7 \times 7) \times (77/7 + 7 \times 7) \\
&:= 888 + (88 \times (8 + 8 + 8)) \\
&:= (9 + 9 + 9)/9 \times (999 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3001 &:= 1 + ((1 + 1 + 1) \times (11 - 1)^{1+1+1}) \\
&:= ((22/2 + 2 \times 22)^2) - (22 + 2) \\
&:= 3 + (3 \times 3 \times 333 + 3/3) \\
&:= 4 + (((44 \times (4 \times 4 \times 4 + 4)) + 4/4) + 4) \\
&:= 5^5 + (5/5 - 5 \times 5 \times 5) \\
&:= 6/6 + ((6 - 6/6) \times (666 - 66)) \\
&:= 7 + (7 \times 7 \times 77 - ((7 + 7)/7) + 777) \\
&:= 8/8 + ((88 \times (8 + 8 + 8)) + 888) \\
&:= 9/9 + (((9 + 9 + 9)/9) \times (999 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3002 &:= 1 + (1 + ((1 + 1 + 1) \times (11 - 1)^{1+1+1})) \\
&:= 2 + ((2 + 2 + 2) \times (2^{2+2} + 22^2)) \\
&:= 3 + ((3 \times 3 \times 333 - 3/3) + 3) \\
&:= (44 - 4)/4 + (44 \times (4 \times 4 \times 4 + 4)) \\
&:= 5^5 + ((5 + 5)/5 - 5 \times 5 \times 5) \\
&:= (((6 + 6)/6)^6 \times (66/6 + 6 \times 6)) - 6 \\
&:= 7 + (7 \times 7 \times 77 - (777 + 7/7)) \\
&:= 888 + ((88 \times (8 + 8 + 8)) + ((8 + 8)/8)) \\
&:= ((9 \times 9 + 9)/(9 + 9)) + 9 \times (9 + 9) \times (9 + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3003 &:= (1 + 1 + 1) \times (1 + (11 - 1)^{1+1+1}) \\
&:= ((22/2 + 2 \times 22)^2) - 22 \\
&:= 3 + (3 \times 3 \times 333 + 3) \\
&:= 44/4 + (44 \times (4 \times 4 \times 4 + 4)) \\
&:= 5^5 - ((555 + 55)/5) \\
&:= 666666/(6 \times 6 \times 6 + 6) \\
&:= 7 + (7 \times 7 \times 77 - 777) \\
&:= 88/8 + ((8/8 + 8 + 8) \times (88 + 88)) \\
&:= 9 + (((9 + 9 + 9)/9) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3004 &:= 1 + ((1 + 1 + 1) \times (1 + (11 - 1)^{1+1+1})) \\
&:= 2 \times (2 \times ((2/2 + 2)^{2+2+2}) + 22) \\
&:= 3 + ((3 \times 3 \times 333 + 3/3) + 3) \\
&:= (4 \times (4 \times (444 - 4^4))) - 4 \\
&:= 5 + (5^5 - (5 \times 5 \times 5 + 5/5)) \\
&:= 666 + (6 \times (6 \times 66 - 6) - ((6 + 6)/6)) \\
&:= 7 + ((7 \times 7 \times 77 - 777) + 7/7) \\
&:= 88 + (((8 - 88)/8 + 8 \times 8)^{(8+8)/8}) \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) + 9) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3005 &:= 1 + (1 + ((1 + 1 + 1) \times (1 + (11 - 1)^{1+1+1}))) \\
&:= 2 + (((22/2 + 2 \times 22)^2) - 22) \\
&:= 3 \times (3 \times 333 + 3) - 3/3 \\
&:= 4/4 + ((4 \times (4 \times (444 - 4^4))) - 4) \\
&:= 5 + (5^5 - 5 \times 5 \times 5) \\
&:= 666 + (6 \times (6 \times 66 - 6) - 6/6) \\
&:= (7 \times 7 \times (77 + 7)) - 777/7 \\
&:= 8 + (888/8 \times (88/8 + 8 + 8)) \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3006 &:= (1 + 1 + 1) \times (1 + 1 + (11 - 1)^{1+1+1}) \\
&:= (2/2 + 2) \times ((2^{2 \times (2+2)+2}) - 22) \\
&:= 3 \times (3 \times 333 + 3) \\
&:= (4^4 \times ((4 + 4) + 4)) - ((4^4 + 4 + 4)/4) \\
&:= 5 + ((5/5 - 5 \times 5 \times 5) + 5^5) \\
&:= 666 + 6 \times (6 \times 66 - 6) \\
&:= (7 - 7/7) \times (7 \times (77 - 7) + (77/7)) \\
&:= (8 - (8 + 8)/8) \times (8 \times 8 \times 8 - 88/8) \\
&:= 9 + 9 \times (9 + 9) \times (9 + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3007 &:= 1 + ((1 + 1 + 1) \times (1 + 1 + (11 - 1)^{1+1+1})) \\
&:= 2 + (((22/2 + 2 \times 22)^2) - 22) + 2) \\
&:= 3/3 + 3 \times (3 \times 333 + 3) \\
&:= (4^4 \times ((4 + 4) + 4)) - (4^4 + 4)/4 \\
&:= 5 + (((5 + 5)/5) - 5 \times 5 \times 5) + 5^5 \\
&:= 6/6 + (6 \times (6 \times 66 - 6) + 666) \\
&:= 7 + ((7/7 + 7 \times 7) \times (77/7 + 7 \times 7)) \\
&:= (8 \times (888 - 8 \times 8 \times 8)) - 8/8 \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) + 9) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3008 &:= 11 + (111 \times (1 + 1 + 1)^{1+1+1}) \\
&:= 2 \times (2 \times (2 \times ((22 - 2)^2 - (22 + 2)))) \\
&:= 33/3 + 3 \times 3 \times 333 \\
&:= 4 \times (4 \times (444 - 4^4)) \\
&:= 5^5 - ((555 + 5)/5 + 5) \\
&:= ((6 + 6)/6)^6 \times (66/6 + 6 \times 6) \\
&:= ((7 \times 7 + 7)^{(7+7)/7}) - ((7 + 7)/7)^7 \\
&:= 8 \times (888 - 8 \times 8 \times 8) \\
&:= 99/9 + 9 \times (9 + 9) \times (9 + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3009 &:= 1 + (11 + (111 \times (1 + 1 + 1)^{1+1+1})) \\
&:= ((22/2 + 2 \times 22)^2) - 2^{2+2} \\
&:= 3 + 3 \times (3 \times 333 + 3) \\
&:= 4/4 + (4 \times (4 \times (444 - 4^4))) \\
&:= 5^5 - (555/5 + 5) \\
&:= (66/6 + 6) \times (666/6 + 66) \\
&:= 7 \times 7 \times (7 \times 7 + 7 + 7) - 7/7 - 77 \\
&:= 8/8 + (8 \times (888 - 8 \times 8 \times 8)) \\
&:= 9 + (((9 + 9 + 9)/9) \times (999 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3010 &:= 11 + (((1 + 1 + 1) \times (11 - 1)^{1+1+1}) - 1) \\
&:= 2^{22/2} + ((2 \times (22^2 - 2)) - 2) \\
&:= 3 + (3 \times (3 \times 333 + 3) + 3/3) \\
&:= (4 + 4)/4 + (4 \times (4 \times (444 - 4^4))) \\
&:= 5 + ((5^5 - 5 \times 5 \times 5) + 5) \\
&:= (6 - 6/6) \times (666 - ((6 + 6)/6)^6) \\
&:= (77 - 7) \times ((7/7 - 7) + 7 \times 7) \\
&:= (8 + 8)/8 + (8 \times (888 - 8 \times 8 \times 8)) \\
&:= ((99 + 9 + 9)/9) + 9 \times (9 + 9) \times (9 + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3011 &:= 11 + ((1 + 1 + 1) \times (11 - 1)^{1+1+1}) \\
&:= 2 + (((22/2 + 2 \times 22)^2) - 2^{2+2}) \\
&:= 3 + (3 \times 3 \times 333 + 33/3) \\
&:= 4 + ((4^4 \times ((4 + 4) + 4)) - (4^4 + 4)/4) \\
&:= 5^5 + (55/5 - 5 \times 5 \times 5) \\
&:= (6 \times (6 + 6) \times (6 \times 6 + 6)) - (6/6 + 6 + 6) \\
&:= 7/7 + ((77 - 7) \times ((7/7 - 7) + 7 \times 7)) \\
&:= 888 + ((88 \times (8 + 8 + 8)) + (88/8)) \\
&:= 9 \times (99 + 9) + (((9 + 9 + 9)/9)^{99/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3012 &:= 1 + (11 + ((1 + 1 + 1) \times (11 - 1)^{1+1+1})) \\
&:= 2^{22/2} + (2 \times (22^2 - 2)) \\
&:= 3 + (3 \times (3 \times 333 + 3) + 3) \\
&:= 4 + (4 \times (4 \times (444 - 4^4))) \\
&:= 5^5 - (555 + 5 + 5)/5 \\
&:= (6 + 6) \times (6 \times (6 \times 6 + 6) - 6/6) \\
&:= 7 + ((7 \times 7 \times (77 + 7)) - 777/7) \\
&:= (8/(8 + 8)/8) + (8 \times (888 - 8 \times 8 \times 8)) \\
&:= 9 + (((9 + 9 + 9)/9) \times (999 - 9/9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3013 &:= (1 + (11 + 11)) \times ((11 \times (1 + 11)) - 1) \\
&:= 2/2 + ((2 \times (22^2 - 2)) + 2^{22/2}) \\
&:= (3 \times (3 \times (333 + 3))) - 33/3 \\
&:= (((4 + 4) + 4) \times (4^4 - 4)) - 44/4 \\
&:= 5^5 - (555 + 5)/5 \\
&:= (6 \times (6 + 6)) \times (6 \times 6 + 6) - 66/6 \\
&:= 7 \times 7 + (((7 + 7 + 7)/7)^7 + 777) \\
&:= 8 + ((888/8 \times (88/8 + 8 + 8)) + 8) \\
&:= 99 + (9 \times (9 + 9)) \times (9 + 9) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3014 &:= ((111 - 1)/(1 + 1))^{1+1} - 11 \\
&:= 22 \times ((22/2)^2 + 2^{2+2}) \\
&:= (3 \times ((3 \times 333 + 3) + 3)) - 3/3 \\
&:= 44/4 \times (((4 + 4)/4 + 4^4) + 4 \times 4) \\
&:= 5^5 - 555/5 \\
&:= 6 + (((6 + 6)/6)^6 \times (66/6 + 6 \times 6)) \\
&:= 7 + (((7/7 + 7 \times 7) \times (77/7 + 7 \times 7)) + 7) \\
&:= 8 + ((8 - (8 + 8)/8) \times (8 \times 8 \times 8 - 88/8)) \\
&:= 99 + (9 \times (9 + 9)) \times (9 + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3015 &:= ((111 - 1)/(1 + 1))^{1+1} - 11 + 1 \\
&:= 222/2 + (22^2 \times (2 + 2 + 2)) \\
&:= 3 \times ((3 \times 333 + 3) + 3) \\
&:= (44 + 4/4) \times (((4^4 - 4)/4) + 4) \\
&:= 5^5 - (55 + 55) \\
&:= (66 + 6/6) \times (666/6 - 66) \\
&:= ((7 + 7)/7 + 7) \times (7 \times 7 \times 7 - (7/7 + 7)) \\
&:= 8 + ((8 \times (888 - 8 \times 8 \times 8)) - 8/8) \\
&:= 99 + 9 \times (9 + 9) \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3016 &:= (1 + 1 + 11) \times (111 + 11^{1+1}) \\
&:= 2 \times 22^2 + 2^{22/2} \\
&:= 3/3 + (3 \times ((3 \times 333 + 3) + 3)) \\
&:= (((4 + 4) + 4) \times (4^4 - 4)) - 4 - 4 \\
&:= 5^5 + (5/5 - (55 + 55)) \\
&:= (6 \times (6 \times (6 - 6 \times 6))) + (((6 + 6)/6)^{6+6}) \\
&:= 77 + (7 \times (7 \times 7 \times 7 + 77) - 7/7) \\
&:= 8 + (8 \times (888 - 8 \times 8 \times 8)) \\
&:= 9/9 + (9 \times (9 + 9)) \times (9 + 9) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3017 &:= 1 + ((1 + 1 + 11) \times (111 + 11^{1+1})) \\
&:= 2/2 + (2 \times 22^2 + 2^{22/2}) \\
&:= 33/3 + 3 \times (3 \times 333 + 3) \\
&:= 4 + (((4 + 4) + 4) \times (4^4 - 4)) - 44/4 \\
&:= 5 + (5^5 - (555 + 5 + 5)/5) \\
&:= (6/6 + 6) \times ((6 \times (66 + 6)) - 6/6) \\
&:= 77 + 7 \times (7 \times 7 \times 7 + 77) \\
&:= ((8 \times 8 - (8/8 + 8))^{(8+8)/8}) - 8 \\
&:= 9 + (9 \times ((9 + 9) \times (9 + 9) + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3018 &:= 1 + (1 + ((1 + 1 + 11) \times (111 + 11^{1+1}))) \\
&:= 2 + (2 \times 22^2 + 2^{22/2}) \\
&:= 3 + (3 \times ((3 \times 333 + 3) + 3)) \\
&:= (4 - 4/4) \times (4 \times (4^4 - 4) - (4 + 4)/4) \\
&:= 5 + (5^5 - (555 + 5)/5) \\
&:= (6 \times (6 + 6)) \times (6 \times 6 + 6) - 6 \\
&:= (((7 \times 7 - 7/7) + 7)^{(7+7)/7}) - 7 \\
&:= (8 - (8 + 8)/8) \times (8 \times 8 \times 8 - (8/8 + 8)) \\
&:= 999/9 + (9 \times (9 + 9)) \times (9 + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3019 &:= 11 + (11 + (111 \times (1 + 1 + 1))^{1+1+1}) \\
&:= ((22/2 + 2 \times 22)^2) - (2 + 2 + 2) \\
&:= 3 + ((3 \times ((3 \times 333 + 3) + 3)) + 3/3) \\
&:= (((4 + 4) + 4) \times (4^4 - 4)) - (4/4 + 4) \\
&:= 5 + (5^5 - 555/5) \\
&:= 6/6 + ((6 \times (6 + 6)) \times (6 \times 6 + 6)) - 6 \\
&:= 7/7 + (((7 \times 7 - 7/7) + 7)^{(7+7)/7}) - 7 \\
&:= 88/8 + (8 \times (888 - 8 \times 8 \times 8)) \\
&:= 9 \times (9 + 9) \times (9 + 9) + (((999 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3020 &:= (1 + 1) \times (((1 + 1 + 1) \times (1 + 1 + 11))^{1+1} - 11) \\
&:= 2^{22/2} + (2 \times (22^2 + 2)) \\
&:= (3 \times (3 \times (333 + 3))) - (3/3 + 3) \\
&:= (((4 + 4) + 4) \times (4^4 - 4)) - 4 \\
&:= 55 \times 55 - 5 \\
&:= (6 + 6)/6 + ((6 \times (6 + 6)) \times (6 \times 6 + 6)) - 6 \\
&:= 7 + (((7 + 7 + 7)/7)^7 + 777) + 7 \times 7 \\
&:= ((88 + 8)/8) + (8 \times (888 - 8 \times 8 \times 8)) \\
&:= 9 \times (99 + 9) + (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3021 &:= (1 + 1 + 1) \times ((11 - 1 - 1) \times (1 + 111) - 1) \\
&:= ((22/2 + 2 \times 22)^2) - 2 - 2 \\
&:= (3 \times (3 \times (333 + 3))) - 3 \\
&:= 4/4 + (((4 + 4) + 4) \times (4^4 - 4)) - 4 \\
&:= 5/5 + (55 \times 55 - 5) \\
&:= (6 \times (6 + 6)) \times (6 \times 6 + 6) - 6 \times 6/(6 + 6) \\
&:= 77/7 + ((77 - 7) \times ((7/7 - 7) + 7 \times 7)) \\
&:= (8 \times 8 - 88/8) \times ((8/8 - 8) + 8 \times 8) \\
&:= ((9 + 9 + 9)/9) \times ((999 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3022 &:= ((111 - 1)/(1 + 1))^{1+1} - 1 - 1 - 1 \\
&:= 2222 + (2 \times (22 - 2))^2 \\
&:= 3/3 + ((3 \times (3 \times (333 + 3))) - 3) \\
&:= (((4 + 4) + 4) \times (4^4 - 4)) - (4 + 4)/4 \\
&:= (5 + 5)/5 + (55 \times 55 - 5) \\
&:= (6 \times (6 + 6)) \times (6 \times 6 + 6) - (6 + 6)/6 \\
&:= 7 + (((7 + 7)/7 + 7) \times (7 \times 7 \times 7 - (7/7 + 7))) \\
&:= ((8 - (8 + 8)/8) \times (8 \times 8 \times 8 - 8)) - (8 + 8)/8 \\
&:= ((9 + 9)/9) \times (((9 + 9)/9)^9) + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3023 &:= ((111 - 1)/(1 + 1))^{1+1} - 1 - 1 \\
&:= ((22/2 + 2 \times 22)^2) - 2 \\
&:= (3 \times (3 \times (333 + 3))) - 3/3 \\
&:= (((4 + 4) + 4) \times (4^4 - 4)) - 4/4 \\
&:= 55 \times 55 - (5 + 5)/5 \\
&:= (6 \times (6 + 6)) \times (6 \times 6 + 6) - 6/6 \\
&:= (((7 + 7)/7 + 7) \times (7 \times 7 \times 7 - 7)) - 7/7 \\
&:= ((8 - (8 + 8)/8) \times (8 \times 8 \times 8 - 8)) - 8/8 \\
&:= 9 + ((9 \times (9 + 9)) \times (9 + 9) - 9/9) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3024 &:= ((111 - 1)/(1 + 1))^{1+1} - 1 \\
&:= 2 \times (2 \times (2 \times ((22 - 2)^2 - 22))) \\
&:= 3 \times (3 \times (333 + 3)) \\
&:= ((4 + 4) + 4) \times (4^4 - 4) \\
&:= 55 \times 55 - 5/5 \\
&:= 6 \times (6 + 6) \times (6 \times 6 + 6) \\
&:= ((7 + 7)/7 + 7) \times (7 \times 7 \times 7 - 7) \\
&:= (8 - (8 + 8)/8) \times (8 \times 8 \times 8 - 8) \\
&:= 9 + (9 \times (9 + 9)) \times (9 + 9) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3025 &:= ((111 - 1)/(1 + 1))^{1+1} \\
&:= (22/2 + 2 \times 22)^2 \\
&:= 3/3 + (3 \times (3 \times (333 + 3))) \\
&:= 4/4 + (((4 + 4) + 4) \times (4^4 - 4)) \\
&:= 55 \times 55 \\
&:= 6/6 + (6 \times (6 + 6)) \times (6 \times 6 + 6) \\
&:= ((7 \times 7 - 7/7) + 7)^{(7+7)/7} \\
&:= (8 \times 8 - (8/8 + 8))^{(8+8)/8} \\
&:= ((999 - 9)/(9 + 9))^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3026 &:= ((111 - 1)/(1 + 1))^{1+1} + 1 \\
&:= 2/2 + ((22/2 + 2 \times 22)^2) \\
&:= 3 + ((3 \times (3 \times (333 + 3))) - 3/3) \\
&:= (4 + 4)/4 + (((4 + 4) + 4) \times (4^4 - 4)) \\
&:= 5/5 + 55 \times 55 \\
&:= (6 + 6)/6 + (6 \times (6 + 6)) \times (6 \times 6 + 6) \\
&:= 7/7 + (((7 \times 7 - 7/7) + 7)^{(7+7)/7}) \\
&:= 8/8 + ((8 \times 8 - (8/8 + 8))^{(8+8)/8}) \\
&:= 99 + (9 \times (9 + 9)) \times (9 + 9) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3027 &:= ((111 - 1)/(1 + 1))^{1+1} + 1 + 1 \\
&:= 2 + ((22/2 + 2 \times 22)^2) \\
&:= 3 + (3 \times (3 \times (333 + 3))) \\
&:= 4 + (((4 + 4) + 4) \times (4^4 - 4)) - 4/4 \\
&:= (5 + 5)/5 + 55 \times 55 \\
&:= (6 \times 6/(6 + 6)) + (6 \times (6 + 6)) \times (6 \times 6 + 6) \\
&:= 7 \times (777 - 7 \times 7 \times 7) - 77/7 \\
&:= 8 + ((8 \times (888 - 8 \times 8 \times 8)) + (88/8)) \\
&:= 999/9 + 9 \times (9 + 9) \times (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3028 &:= ((111 - 1)/(1 + 1))^{1+1} + 1 + 1 + 1 \\
&:= 2 + (((22/2 + 2 \times 22)^2) + 2/2) \\
&:= 3 + ((3 \times (3 \times (333 + 3))) + 3/3) \\
&:= 4 + (((4 + 4) + 4) \times (4^4 - 4)) \\
&:= 5 + (55 \times 55 - ((5 + 5)/5)) \\
&:= 6 + ((6 \times (6 + 6) \times (6 \times 6 + 6)) - ((6 + 6)/6)) \\
&:= 77 + (7 \times (7 \times 7 \times 7 + 77) + (77/7)) \\
&:= ((8 \times 8 \times (88 + 8)) - 88)/((8 + 8)/8) \\
&:= 9 \times (9 + 9) \times (9 + 9) + ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3029 &:= (1 + 1 + 11) \times (11 + (1 + 1) \times 111) \\
&:= 2 + (((22/2 + 2 \times 22)^2) + 2) \\
&:= 33 + (3 \times 3 \times 333 - 3/3) \\
&:= 4 + (((4 + 4) + 4) \times (4^4 - 4)) + 4/4 \\
&:= 5 + (55 \times 55 - 5/5) \\
&:= 6 + ((6 \times (6 + 6) \times (6 \times 6 + 6)) - 6/6) \\
&:= 77 \times (7 \times 7 - 7) - (((7 + 7)/7)^7 + 77) \\
&:= 8 + ((8 \times 8 - 88/8) \times ((8/8 - 8) + 8 \times 8)) \\
&:= 9 + (((9 + 9)/9)^{99/9} + 9 \times (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3030 &:= (1 + 1 + 1) \times ((11111 - 1)/11) \\
&:= (2/2 + 2) \times ((2 \times (22^2 + 22)) - 2) \\
&:= 33 + 3 \times 3 \times 333 \\
&:= 4 + (((4 + 4) + 4) \times (4^4 - 4)) + (4 + 4)/4 \\
&:= 5 + 55 \times 55 \\
&:= 6 + (6 \times (6 + 6) \times (6 \times 6 + 6)) \\
&:= 7 \times (777 - 7 \times 7 \times 7) - (7/7 + 7) \\
&:= (8 - (8 + 8)/8) \times ((8 \times 8 \times 8 - 8) + 8/8) \\
&:= ((9 + 9 + 9)/9) \times (99/9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3031 &:= 1 + ((1 + 1 + 1) \times ((11111 - 1)/11)) \\
&:= 2 + (((22/2 + 2 \times 22)^2) + 2) + 2) \\
&:= 3/3 + (3 \times 3 \times 333 + 33) \\
&:= 4 + (((4 + 4) + 4) \times (4^4 - 4)) - 4/4 + 4) \\
&:= 5 + (55 \times 55 + 5/5) \\
&:= 6 + ((6 \times (6 + 6) \times (6 \times 6 + 6)) + 6/6) \\
&:= 7 \times (777 - 7 \times 7 \times 7) - 7 \\
&:= 8 + (((8 - (8 + 8)/8) \times (8 \times 8 \times 8 - 8)) - 8/8) \\
&:= 9 + (((9 + 9)/9) \times (((9 + 9)/9)^9 + 999))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3032 &:= ((1 + 1 + 1) \times (11 + (11 - 1)^{1+1+1})) - 1 \\
&:= 2 \times (((2 + 2 + 2)^{2+2} - 2) + 222) \\
&:= (3 \times (3 \times (333 + 3) + 3)) - 3/3 \\
&:= 4 + (((4 + 4) + 4) \times (4^4 - 4)) + 4) \\
&:= 5 + (55 \times 55 + ((5 + 5)/5)) \\
&:= 6 + ((6 \times (6 + 6) \times (6 \times 6 + 6)) + ((6 + 6)/6)) \\
&:= 7 + (((7 \times 7 - 7/7) + 7)^{(7+7)/7}) \\
&:= 8 + ((8 - (8 + 8)/8) \times (8 \times 8 \times 8 - 8)) \\
&:= (9 - 9/9) \times (9 \times 99 - ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3033 &:= (1 + 1 + 1) \times (11 + (11 - 1)^{1+1+1}) \\
&:= 2 \times (2 + 2) + ((22/2 + 2 \times 22)^2) \\
&:= 3 \times (3 \times (333 + 3) + 3) \\
&:= 4 + (((4 + 4) + 4) \times (4^4 - 4)) + 4/4 + 4) \\
&:= 5 + ((55 \times 55 - ((5 + 5)/5)) + 5) \\
&:= 6 + ((6 \times (6 + 6) \times (6 \times 6 + 6)) + (6 \times 6/(6 + 6))) \\
&:= ((7 + 7)/7 + 7) \times ((7 \times 7 \times 7 - 7) + 7/7) \\
&:= 8 + ((8 \times 8 - (8/8 + 8))^{(8+8)/8}) \\
&:= 9 + ((9 \times (9 + 9) \times (9 + 9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3034 &:= 1 + ((1 + 1 + 1) \times (11 + (11 - 1)^{1+1+1})) \\
&:= ((2 + 2 + 2) \times (22^2 + 22)) - 2 \\
&:= 3/3 + (3 \times (3 \times (333 + 3) + 3)) \\
&:= (44 - 4)/4 + (((4 + 4) + 4) \times (4^4 - 4)) \\
&:= 5 + ((55 \times 55 - 5/5) + 5) \\
&:= ((66 - 6)/6) + (6 \times (6 + 6) \times (6 \times 6 + 6)) \\
&:= (77 \times (77/7)) + ((7 + 7 + 7)/7)^7 \\
&:= 8 + (((8 \times 8 - (8/8 + 8))^{(8+8)/8}) + 8/8) \\
&:= 9 + (((999 - 9)/(9 + 9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3035 &:= 11 + ((111 - 1)/(1 + 1))^{1+1} - 1 \\
&:= ((2 + 2 + 2) \times (22^2 + 22)) - 2/2 \\
&:= 33/3 + (3 \times (3 \times (333 + 3))) \\
&:= 44/4 + (((4 + 4) + 4) \times (4^4 - 4)) \\
&:= 5 + (55 \times 55 + 5) \\
&:= 66/6 + (6 \times (6 + 6) \times (6 \times 6 + 6)) \\
&:= 77/7 + (((7 + 7)/7 + 7) \times (7 \times 7 \times 7 - 7)) \\
&:= 88/8 + ((8 - (8 + 8)/8) \times (8 \times 8 \times 8 - 8)) \\
&:= 9 + ((9 \times (9 + 9) \times (9 + 9) + (99/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3036 &:= 11 + ((111 - 1)/(1 + 1))^{1+1} \\
&:= (2 + 2 + 2) \times (22^2 + 22) \\
&:= 3 + (3 \times (3 \times (333 + 3) + 3)) \\
&:= 44 \times ((4^4 + 4)/4 + 4) \\
&:= 55/5 + 55 \times 55 \\
&:= 6 + ((6 \times (6 + 6) \times (6 \times 6 + 6)) + 6) \\
&:= 7 \times (777 - 7 \times 7 \times 7) - (7 + 7)/7 \\
&:= ((8 \times (8 \times (88 + 8) - 8)) - 8)/((8 + 8)/8) \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3037 &:= 11 + ((111 - 1)/(1 + 1))^{1+1} + 1 \\
&:= 2/2 + ((2 + 2 + 2) \times (22^2 + 22)) \\
&:= 3 + ((3 \times (3 \times (333 + 3) + 3)) + 3/3) \\
&:= 4/4 + (44 \times ((4^4 + 4)/4 + 4)) \\
&:= 55 \times 55 + (55 + 5)/5 \\
&:= 6 + (((6 \times (6 + 6) \times (6 \times 6 + 6)) + 6/6) + 6) \\
&:= 7 \times (777 - 7 \times 7 \times 7) - 7/7 \\
&:= ((8 \times 8 - 8)^{(8+8)/8}) - (88/8 + 88) \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) + ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3038 &:= ((1 + 1 + 1) \times ((1 + 1)^{11-1} - 11)) - 1 \\
&:= 2 + ((2 + 2 + 2) \times (22^2 + 22)) \\
&:= (33/3 + 3) \times ((3 + 3)^3 + 3/3) \\
&:= (4 + 4)/4 + (44 \times ((4^4 + 4)/4 + 4)) \\
&:= 5^5 - (((5 + 5)/5)^5 + 55) \\
&:= (6/6 + 6) \times ((6 \times (66 + 6)) + ((6 + 6)/6)) \\
&:= 7 \times (777 - 7 \times 7 \times 7) \\
&:= 8 + ((8 - (8 + 8)/8) \times ((8 \times 8 \times 8 - 8) + 8/8)) \\
&:= 999 + (((9 + 9)/9)^{99/9} - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3039 &:= (1 + 1 + 1) \times ((1 + 1)^{11-1} - 11) \\
&:= (2/2 + 2) \times ((2^{22/2} - 22)/2) \\
&:= 33 + 3 \times (3 \times 333 + 3) \\
&:= (4 - 4/4) \times (4 \times 4^4 - 44/4) \\
&:= 5 \times 5 + (5^5 - 555/5) \\
&:= 666 + (6 \times 6 \times 66 - (6 \times 6/(6 + 6))) \\
&:= 7/7 + 7 \times (777 - 7 \times 7 \times 7) \\
&:= (88/8 - 8) \times (8 \times 8 \times (8 + 8) - (88/8)) \\
&:= 9 + (((9 + 9 + 9)/9) \times (99/9 + 999))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3040 &:= 1 + ((1 + 1 + 1) \times ((1 + 1)^{11-1} - 11)) \\
&:= (2 \times ((2 \times (22 - 2) - 2/2)^2) - 2) \\
&:= 3/3 + (3 \times (3 \times 333 + 3) + 33) \\
&:= 4 + (44 \times ((4^4 + 4)/4 + 4)) \\
&:= 5 + ((55 \times 55 + 5) + 5) \\
&:= 666 + (6 \times 6 \times 66 - ((6 + 6)/6)) \\
&:= (7 + 7)/7 + 7 \times (777 - 7 \times 7 \times 7) \\
&:= 8 \times ((8 \times (88 + 8) - 8)/((8 + 8)/8)) \\
&:= (9/9 + 9 + 9) \times (9 \times (9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3041 &:= 1 + (1 + ((1 + 1 + 1) \times ((1 + 1)^{11-1} - 11))) \\
&:= (((2 \times 2 \times (22 - 2)) - 2)^2) - 2)/2 \\
&:= 3 \times 3 \times 33 + ((33/3 + 3)^3) \\
&:= 4 + ((44 \times ((4^4 + 4)/4 + 4)) + 4/4) \\
&:= 5 + (55 \times 55 + (55/5)) \\
&:= 666 + (6 \times 6 \times 66 - 6/6) \\
&:= 77 + (((7 + 7 + 7)/7)^7 + 777) \\
&:= 8 + (((8 \times 8 - (8/8 + 8))^{(8+8)/8}) + 8) \\
&:= 9 + ((9 - 9/9) \times (9 \times 99 - ((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3042 &:= (1 + 1) \times ((1 + 1 + 1) \times (1 + 1 + 11))^{1+1} \\
&:= 2 \times ((2 \times (22 - 2) - 2/2)^2) \\
&:= 3 \times ((3 \times (333 + 3) + 3) + 3) \\
&:= (4 - 4/4) \times ((4 - 44)/4 + 4 \times 4^4) \\
&:= 5 + (55 \times 55 + ((55 + 5)/5)) \\
&:= 666 + 6 \times 6 \times 66 \\
&:= (7/7 + 77) \times (((7 - 77)/7) + 7 \times 7) \\
&:= 8 + (((8 \times 8 - (8/8 + 8))^{(8+8)/8}) + 8/8) + 8) \\
&:= (9 + 9) \times ((9 \times (9 + 9) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3043 &:= 1 + ((1+1) \times ((1+1+1) \times (1+1+11))^{1+1}) \\
&:= (((2 \times 2 \times (22-2)) - 2^2) + 2)/2 \\
&:= ((3+3) \times 3^{3+3}) - (33/3)^3 \\
&:= 4 + ((4-4/4) \times (4 \times 4^4 - 44/4)) \\
&:= 5 + (5^5 - (((5+5)/5)^5 + 55)) \\
&:= 6/6 + (6 \times 6 \times 66 + 666) \\
&:= 7 + (7 \times (777 - 7 \times 7 \times 7) - ((7+7)/7)) \\
&:= 8 + (((8 - (8+8)/8) \times (8 \times 8 \times 8 - 8)) + (88/8)) \\
&:= ((9-9/9) + 9) \times ((9 \times 9 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3044 &:= (1+1) \times (1 + ((1+1+1) \times (1+1+11))^{1+1}) \\
&:= 2 + (2 \times ((2 \times (22-2) - 2/2)^2)) \\
&:= 3 + (((33/3+3)^3) + 3 \times 3 \times 33) \\
&:= 4 + ((44 \times ((4^4+4)/4+4)) + 4) \\
&:= 5^5 - ((5 \times 5 + 55) + 5/5) \\
&:= 666 + (6 \times 6 \times 66 + ((6+6)/6)) \\
&:= 7 + (7 \times (777 - 7 \times 7 \times 7) - 7/7) \\
&:= ((8 \times (8 \times (88+8) - 8) + 8)/(8+8)/8) \\
&:= 9 + (((9 \times (9+9) \times (9+9) + (99/9)) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3045 &:= (11 + (11-1)) \times (1 + (1+11)^{1+1}) \\
&:= 2 + (((2 \times 2 \times (22-2)) - 2^2) + 2)/2 \\
&:= 3 + (3 \times ((3 \times (333+3) + 3) + 3)) \\
&:= (4/4+4) \times ((4/4+4)^4 - 4 \times 4) \\
&:= 5^5 - (5 \times 5 + 55) \\
&:= (6 \times 6 - (6/6+6)) \times (666/6 - 6) \\
&:= 7 + 7 \times (777 - 7 \times 7 \times 7) \\
&:= (88 - 8/8) \times ((88/8 + 8 + 8) + 8) \\
&:= 9 + ((9 \times (9+9) \times (9+9) + 999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3046 &:= 1 + ((11 + (11-1)) \times (1 + (1+11)^{1+1})) \\
&:= 2 \times (((2 \times (22-2) - 2/2)^2) + 2) \\
&:= 3 + (((3+3) \times 3^{3+3}) - (33/3)^3) \\
&:= 44 \times 44 + (4444 - 4)/4 \\
&:= 5^5 + (5/5 - (5 \times 5 + 55)) \\
&:= 6 + ((6 \times 6 \times 66 - ((6+6)/6)) + 666) \\
&:= 7 + (7 \times (777 - 7 \times 7 \times 7) + 7/7) \\
&:= ((8 \times 8 - 8)^{(8+8)/8}) - ((8+8)/8 + 88) \\
&:= 999 + (((9+9)/9)^{99/9} - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3047 &:= 11 \times (1 + ((1+11) \times (1 + (11+11)))) \\
&:= 22 + ((22/2 + 2 \times 22)^2) \\
&:= 33/3 \times (((3^{3+3} + 3)/3) + 33) \\
&:= 44 \times 44 + 4444/4 \\
&:= 5^5 + ((5+5)/5 - (5 \times 5 + 55)) \\
&:= 6 + ((6 \times 6 \times 66 - 6/6) + 666) \\
&:= 7 + (7 \times (777 - 7 \times 7 \times 7) + ((7+7)/7)) \\
&:= ((8 \times 8 - 8)^{(8+8)/8}) - (8/8 + 88) \\
&:= 999 + (((9+9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3048 &:= (1+1)^{11} + (11-1)^{1+1+1} \\
&:= 2 \times ((2+2+2) \times (2^{2 \times (2+2)} - 2)) \\
&:= (3/3+3) \times (3^{3+3} + 33) \\
&:= (4-4/4) \times (4 \times 4^4 - (4+4)) \\
&:= 5 \times 5 + (55 \times 55 - ((5+5)/5)) \\
&:= 6 + (6 \times 6 \times 66 + 666) \\
&:= (7/7+7) \times (7 \times (7 \times 7 + 7) - (77/7)) \\
&:= (8+8+8) \times (8 \times (8+8) - 8/8) \\
&:= 9/9 + (((9+9)/9)^{99/9} + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3049 &:= 1 + ((1+1)^{11} + (11-1)^{1+1+1}) \\
&:= 2 + (((22/2 + 2 \times 22)^2) + 22) \\
&:= 3/3 + ((3/3+3) \times (3^{3+3} + 33)) \\
&:= 4 + ((4/4+4) \times ((4/4+4)^4 - 4 \times 4)) \\
&:= 5 \times 5 + (55 \times 55 - 5/5) \\
&:= 6 + ((6 \times 6 \times 66 + 666) + 6/6) \\
&:= 77/7 + 7 \times (777 - 7 \times 7 \times 7) \\
&:= 8/8 + ((8+8+8) \times (8 \times (8+8) - 8/8)) \\
&:= 9 + ((9/9+9+9) \times (9 \times (9+9) - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3050 &:= (1 + 11^{1+1}) \times (1 + ((1+1) \times (1+11))) \\
&:= 2 + (2 \times ((2+2+2) \times (2^{2 \times (2+2)} - 2))) \\
&:= (3 \times (3 \times (333+3+3))) - 3/3 \\
&:= 4^4 + (44/4 \times (4^4 - (4+4)/4)) \\
&:= 5 \times (555 + 55) \\
&:= 6 + ((6 \times 6 \times 66 + 666) + ((6+6)/6)) \\
&:= (7/7+7 \times 7) \times ((77+7)/7 + 7 \times 7) \\
&:= (8+8)/8 + ((8+8+8) \times (8 \times (8+8) - 8/8)) \\
&:= ((9/9+9+9) \times (9 \times (9+9) - 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3051 &:= (1+1+111) \times (1+1+1)^{1+1+1} \\
&:= 2 + (((22/2 + 2 \times 22)^2) + 22) + 2 \\
&:= 3 \times (3 \times (333+3+3)) \\
&:= 4 + (4444/4 + 44 \times 44) \\
&:= 5 \times 5 + (55 \times 55 + 5/5) \\
&:= 6 + ((6 \times 6 - (6/6+6)) \times (666/6 - 6)) \\
&:= 777/7 + 7 \times (7 \times 7 \times 7 + 77) \\
&:= (88/8 - 8) \times ((8 \times 8 \times (8+8) - 8) + 8/8) \\
&:= (9+9+9) \times ((999+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3052 &:= 1 + ((1+1+111) \times (1+1+1)^{1+1+1}) \\
&:= (2^{2+2} - 2) \times (222 - (2+2)) \\
&:= 3/3 + (3 \times (3 \times (333+3+3))) \\
&:= ((4+4)^4) - (4 \times (4^4 + 4) + 4) \\
&:= 5 \times 5 + (55 \times 55 + ((5+5)/5)) \\
&:= 666 + (6 \times 6 \times 66 + ((66-6)/6)) \\
&:= 7 + (7 \times (777 - 7 \times 7 \times 7) + 7) \\
&:= (8-8/8) \times (888/((8+8)/8) - 8) \\
&:= ((9/9+9+9) + 9) \times (9/9+99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3053 &:= (1 + (11 \times ((1111-1)/(1+1))))/(1+1) \\
&:= (((2 \times 2 \times (22-2)) - 2^2) + 22)/2 \\
&:= (((3 \times (3+3) + 3)^3) - 3)/3 - 33 \\
&:= 4/4 + (((4+4)^4) - (4 \times (4^4 + 4) + 4)) \\
&:= 5^5 - (((55+5)/5) + 55) + 5 \\
&:= ((6-6/6)^{6-6/6}) - (66+6) \\
&:= ((7/7-7) + 7 \times 7) \times ((7/7-7) + 77) \\
&:= (8 \times (8 \times (8 \times 8 - 8 - 8))) - (88/8+8) \\
&:= 9/9 + (((9/9+9+9) + 9) \times (9/9+99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3054 &:= (1+1+1) \times (((1+1)^{11} - (1+11))/(1+1)) \\
&:= 2 + ((2^{2+2} - 2) \times (222 - (2+2))) \\
&:= 3 + (3 \times (3 \times (333+3+3))) \\
&:= (4-4/4) \times (4 \times 4^4 - ((4+4)/4+4)) \\
&:= 5^5 - ((55/5+55) + 5) \\
&:= (6 \times ((6+6) \times (6 \times 6 + 6) + 6)) - 6 \\
&:= ((7+7)/7)^7 + (77 \times (7 \times 7 - 77/7)) \\
&:= ((8+8)/8) \times (8 \times 8 \times (8+8+8) - (8/8+8)) \\
&:= ((9+9+9)/9) \times (((999+9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3055 &:= ((11 \times 1111) - 1)/(1+1+1+1) \\
&:= 2 + (((2 \times 2 \times (22-2)) - 2^2) + 22)/2 \\
&:= (((3 \times (3+3) + 3)^3) + 3)/3 - 33 \\
&:= ((4+4)^4) - (4 \times (4^4 + 4) + 4/4) \\
&:= 5 + (55 \times 55 + 5 \times 5) \\
&:= (66 - 6/6) \times (66/6 + 6 \times 6) \\
&:= 7 + ((7/7+7) \times (7 \times (7 \times 7 + 7) - (77/7))) \\
&:= (8/8+8 \times 8) \times (8 \times 8 - (8/8+8+8)) \\
&:= (9+9) \times (99+9) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3056 &:= 1 + (((11 \times 1111) - 1)/(1+1+1+1)) \\
&:= 2 \times (2 \times (2 \times ((2^{2+2} \times (22+2)) - 2))) \\
&:= (33/3)^3 + ((3 \times 3 + 3)^3 - 3) \\
&:= 4 \times (4 \times 4^4 - (4^4 + 4)) \\
&:= 5 + ((5/5 - (5 \times (5+5+5))) + 5^5) \\
&:= 6/6 + ((66 - 6/6) \times (66/6 + 6 \times 6)) \\
&:= 7 + (7 \times (777 - 7 \times 7 \times 7) + (77/7)) \\
&:= (8+8) \times (8 \times (8+8+8) - 8/8) \\
&:= 9 + (((9+9)/9)^{99/9} + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3057 &:= (1+1+1) \times (((1+1+1)^{11} - 11)/(1+1)) \\
&:= ((22 \times (2^{2 \times (2+2)} + 22)) - 2)/2 \\
&:= 33 + (3 \times (3 \times (333+3))) \\
&:= 4/4 + (4 \times (4 \times 4^4 - (4^4 + 4))) \\
&:= 55 \times 55 + ((5+5)/5)^5 \\
&:= (66 \times (6 \times 6 + 6 + 6)) - 666/6 \\
&:= 7 + ((7/7+7 \times 7) \times ((77+7)/7 + 7 \times 7)) \\
&:= 8/8 + ((8+8) \times (8 \times (8+8+8) - 8/8)) \\
&:= ((9+9+9)/9) \times ((99/9+999) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3058 &:= 11 \times ((1 + 1111)/(1 + 1 + 1 + 1)) \\
&:= 22 \times ((2^{2 \times (2+2)} + 22)/2) \\
&:= 3 + (((((3 \times (3 + 3)) + 3)^3) + 3)/3) - 33 \\
&:= ((4 + 4)^4) + ((4 + 4)/4 - 4 \times (4^4 + 4)) \\
&:= 5^5 - ((55 + 5)/5) + 55 \\
&:= ((6 - 6/6)^{6-6/6}) - (66 + 6/6) \\
&:= ((7 \times 7 + 7)^{(7+7)/7}) - 7/7 - 77 \\
&:= ((8 - (8 + 8)/8) \times (8 \times 8 \times 8 - 8/8)) - 8 \\
&:= (9 + 9) \times (9 \times (9 + 9) + 9) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3059 &:= 11^{1+1+1} + ((1 + 11)^{1+1+1}) \\
&:= (22 + 2/2) \times (222/2 + 22) \\
&:= (33/3)^3 + (3 \times 3 + 3)^3 \\
&:= ((4 - 4/4) \times (4 \times 4^4 - 4)) - 4/4 \\
&:= 5^5 - (55/5 + 55) \\
&:= ((6 - 6/6)^{6-6/6}) - 66 \\
&:= ((7 \times 7 + 7)^{(7+7)/7}) - 77 \\
&:= (8 - 8/8) \times (8 \times (8 \times 8 - 8) - (88/8)) \\
&:= (9/9 + 9 + 9) \times (9 \times (9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3060 &:= (1 + 11) \times (111 + (1 + 11)^{1+1}) \\
&:= (2 + 2 + 2) \times (2^{(2/2+2)^2} - 2) \\
&:= (3^3 + 3) \times (3 \times 33 + 3) \\
&:= (4 - 4/4) \times (4 \times 4^4 - 4) \\
&:= 5^5 - (55 + 5 + 5) \\
&:= 6 \times ((6 + 6) \times (6 \times 6 + 6) + 6) \\
&:= 7/7 + (((7 \times 7 + 7)^{(7+7)/7}) - 77) \\
&:= (8 - (8 + 8)/8) \times (8 \times 8 \times 8 - ((8 + 8)/8)) \\
&:= (9 + 9) \times ((9 \times (9 + 9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3061 &:= ((1 + 1 + 1) \times (1 + 1)^{11-1}) - 11 \\
&:= (((2/2 + 2) \times 2^{22/2}) - 22)/2 \\
&:= 3/3 + ((3^3 + 3) \times (3 \times 33 + 3)) \\
&:= (4^4 \times ((4 + 4) + 4)) - 44/4 \\
&:= 5^5 + (5/5 - (55 + 5 + 5)) \\
&:= 6/6 + (6 \times ((6 + 6) \times (6 \times 6 + 6) + 6)) \\
&:= (7 + 7)/7 + (((7 \times 7 + 7)^{(7+7)/7}) - 77) \\
&:= (8 \times (8 \times (8 \times 8 - 8 - 8))) - 88/8 \\
&:= 9/9 + ((9 + 9) \times ((9 \times (9 + 9) - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3062 &:= 1 + (((1 + 1 + 1) \times (1 + 1)^{11-1}) - 11) \\
&:= 2 + ((2 + 2 + 2) \times (2^{(2/2+2)^2} - 2)) \\
&:= 3 + ((33/3)^3 + (3 \times 3 + 3)^3) \\
&:= (4 - 44)/4 + (4^4 \times ((4 + 4) + 4)) \\
&:= 5^5 - (5^5/5 + 5)/(5 + 5) \\
&:= (6 + 6)/6 + (6 \times ((6 + 6) \times (6 \times 6 + 6) + 6)) \\
&:= 777 + (((7 + 7 + 7)/7)^7 + 7 \times (7 + 7)) \\
&:= (8 - 88)/8 + (8 \times (8 \times (8 \times 8 - 8 - 8))) \\
&:= (9 + 9)/9 + ((9 + 9) \times ((9 \times (9 + 9) - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3063 &:= (1 + 1 + 1) \times ((1 + 1)^{11-1} - 1 - 1 - 1) \\
&:= (2/2 + 2) \times (((2^{22/2} - 2)/2) - 2) \\
&:= 3 + ((3^3 + 3) \times (3 \times 33 + 3)) \\
&:= (4 - 4/4) \times ((4 \times 4^4 - 4) + 4/4) \\
&:= 5^5 + ((5 - 5^5/5)/(5 + 5)) \\
&:= 6 + ((66 \times (6 \times 6 + 6 + 6)) - 666/6) \\
&:= ((77/7 - 7) \times (777 + 7/7)) - 7 \times 7 \\
&:= (8 \times (8 \times (8 \times 8 - 8 - 8))) - (8/8 + 8) \\
&:= (((9 + 9)/9)^9) \times (9 - ((9 + 9 + 9)/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3064 &:= ((1 + 1 + 1) \times (1 + (1 + 1)^{11-1})) - 11 \\
&:= 2 \times (2 \times ((2 \times (2^{2+2} \times (22 + 2))) - 2)) \\
&:= 3 + (((3^3 + 3) \times (3 \times 33 + 3)) + 3/3) \\
&:= (4^4 \times ((4 + 4) + 4)) - 4 - 4 \\
&:= 5^5 - ((55 + 5/5) + 5) \\
&:= 6 + (((6 - 6/6)^{6-6/6}) - (66 + 6/6)) \\
&:= (77/7 - 7) \times (777 - (77/7)) \\
&:= (8 \times (8 \times (8 \times 8 - 8 - 8))) - 8 \\
&:= 9 + (9 + 9) \times (99 + 9) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3065 &:= ((1 + 1 + 1) \times ((1 + 1)^{11-1} - (1 + 1))) - 1 \\
&:= 2 + ((2/2 + 2) \times (((2^{22/2} - 2)/2) - 2)) \\
&:= 3 + (((33/3)^3 + (3 \times 3 + 3)^3) + 3) \\
&:= 4 + ((4^4 \times ((4 + 4) + 4)) - 44/4) \\
&:= 5^5 - (55 + 5) \\
&:= 6 + (((6 - 6/6)^{6-6/6}) - 66) \\
&:= 7 + (((7 \times 7 + 7)^{(7+7)/7}) - (7/7 + 77)) \\
&:= 8/8 + ((8 \times (8 \times (8 \times 8 - 8 - 8))) - 8) \\
&:= 9 + (((9 + 9)/9)^{99/9} + 999) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3066 &:= (1 + 1 + 1) \times ((1 + 1)^{11-1} - (1 + 1)) \\
&:= (2/2 + 2) \times ((2^{2 \times (2+2)+2}) - 2) \\
&:= (33/3 + 3) \times ((3 + 3)^3 + 3) \\
&:= (4 - 4/4) \times (4 \times 4^4 - (4 + 4)/4) \\
&:= 5^5 + (5/5 - (55 + 5)) \\
&:= 6 + (6 \times ((6 + 6) \times (6 \times 6 + 6) + 6)) \\
&:= 7 + (((7 \times 7 + 7)^{(7+7)/7}) - 77) \\
&:= (8 - (8 + 8)/8) \times (8 \times 8 \times 8 - 8/8) \\
&:= ((9 + 9) \times (9 \times (9 + 9) + 9)) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3067 &:= 1 + ((1 + 1 + 1) \times ((1 + 1)^{11-1} - (1 + 1))) \\
&:= ((2/2 + 2) \times ((2^{22/2} - 2)/2)) - 2 \\
&:= 3/3 + ((33/3 + 3) \times ((3 + 3)^3 + 3)) \\
&:= (4^4 \times ((4 + 4) + 4)) - (4/4 + 4) \\
&:= 5^5 + ((5 + 5)/5 - (55 + 5)) \\
&:= 6 + ((6 \times ((6 + 6) \times (6 \times 6 + 6) + 6)) + 6/6) \\
&:= 7 + (((7 \times 7 + 7)^{(7+7)/7}) - 77) + 7/7 \\
&:= 8 + ((8 - 8/8) \times (8 \times (8 \times 8 - 8 - 8))) \\
&:= ((9 + 9) \times (9 \times (9 + 9) + 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3068 &:= ((1 + 1 + 1) \times ((1 + 1)^{11-1} - 1)) - 1 \\
&:= 2 \times (((2 + 2 + 2) \times 2^{2 \times (2+2)}) - 2) \\
&:= (33 \times ((3 \times (3^3 + 3)) + 3)) - 3/3 \\
&:= (4^4 \times ((4 + 4) + 4)) - 4 \\
&:= 5^5 - ((5 + 5)/5 + 55) \\
&:= 6 + ((6 \times ((6 + 6) \times (6 \times 6 + 6) + 6)) + ((6 + 6)/6)) \\
&:= ((7 + 7)/7)^7 + 7 \times (7 \times 7 + 77) \\
&:= ((8 \times 8 \times (88 + 8)) - 8)/((8 + 8)/8) \\
&:= ((9 + 9) \times (9 \times (9 + 9) + 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3069 &:= (1 + 1 + 1) \times ((1 + 1)^{11-1} - 1) \\
&:= (2/2 + 2) \times ((2^{22/2} - 2)/2) \\
&:= 33 \times ((3 \times (3^3 + 3)) + 3) \\
&:= 4/4 + ((4^4 \times ((4 + 4) + 4)) - 4) \\
&:= 5^5 - (55 + 5/5) \\
&:= 6 \times (6 \times 66 - 6) + ((6 \times 6/(6 + 6))^6) \\
&:= ((7 + 7)/7 + 7) \times (7 \times 7 \times 7 - ((7 + 7)/7)) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8 - 8))) - (88/8)) \\
&:= ((9 + 9) \times (9 \times (9 + 9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3070 &:= 1 + ((1 + 1 + 1) \times ((1 + 1)^{11-1} - 1)) \\
&:= (2 \times ((2 + 2 + 2) \times 2^{2 \times (2+2)})) - 2 \\
&:= 3/3 + (33 \times ((3 \times (3^3 + 3)) + 3)) \\
&:= (4^4 \times ((4 + 4) + 4)) - (4 + 4)/4 \\
&:= 5^5 - 55 \\
&:= 66/6 + (((6 - 6/6)^{6-6/6}) - 66) \\
&:= 77/7 + (((7 \times 7 + 7)^{(7+7)/7}) - 77) \\
&:= (8 \times (8 \times (8 \times 8 - 8 - 8))) - (8 + 8)/8 \\
&:= 9/9 + (((9 + 9) \times (9 \times (9 + 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3071 &:= ((1 + 1 + 1) \times (1 + 1)^{11-1}) - 1 \\
&:= (((2/2 + 2) \times 2^{22/2}) - 2)/2 \\
&:= ((3 + 3) \times ((3 - 3/3)^{3 \times 3})) - 3/3 \\
&:= (4^4 \times ((4 + 4) + 4)) - 4/4 \\
&:= 5^5 + (5/5 - 55) \\
&:= 6 + (((6 - 6/6)^{6-6/6}) - 66) + 6 \\
&:= (((7 + 7)/7 + 7) \times (7 \times 7 \times 7 - 7/7)) - 7 \\
&:= (8 \times (8 \times (8 \times 8 - 8 - 8))) - 8/8 \\
&:= (9 + 9)/9 + (((9 + 9) \times (9 \times (9 + 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3072 &:= (1 + 1 + 1) \times (1 + 1)^{11-1} \\
&:= 2 \times ((2 + 2 + 2) \times 2^{2 \times (2+2)}) \\
&:= (3 + 3) \times ((3 - 3/3)^{3 \times 3}) \\
&:= 4^4 \times ((4 + 4) + 4) \\
&:= 5^5 + ((5 + 5)/5 - 55) \\
&:= (6 \times 6 + 6 + 6) \times ((6 + 6)/6)^6 \\
&:= (7 - 7/7) \times ((7/7 + 7)^{(7+7)/7}) \\
&:= 8 \times (8 \times (8 \times 8 - 8 - 8)) \\
&:= (((9 + 9)/9)^9) \times (9 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3073 &:= 1 + ((1+1+1) \times (1+1)^{11-1}) \\
&:= (((2/2+2) \times 2^{22/2}) + 2)/2 \\
&:= 3/3 + ((3+3) \times ((3-3/3)^{3 \times 3})) \\
&:= 4/4 + (4^4 \times ((4+4)+4)) \\
&:= 5 + (5^5 - ((5+5)/5 + 55)) \\
&:= 6/6 + ((6 \times 6 + 6 + 6) \times ((6+6)/6)^6) \\
&:= 7 \times 7 \times (7 \times 7 + 7 + 7) - (7+7) \\
&:= 8/8 + (8 \times (8 \times (8 \times 8 - 8 - 8))) \\
&:= 9/9 + (((9+9)/9)^9) \times (9 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3074 &:= 1 + (1 + ((1+1+1) \times (1+1)^{11-1})) \\
&:= 2 + (2 \times ((2+2+2) \times 2^{2 \times (2+2)})) \\
&:= 333 + (((33/3+3)^3) - 3) \\
&:= (4+4)/4 + (4^4 \times ((4+4)+4)) \\
&:= 5 + (5^5 - (55+5/5)) \\
&:= 66 + (((6+6)/6)^6 \times (66/6 + 6 \times 6)) \\
&:= 7/7 + (7 \times 7 \times (7 \times 7 + 7 + 7) - (7+7)) \\
&:= (8+8)/8 + (8 \times (8 \times (8 \times 8 - 8 - 8))) \\
&:= ((9+9)/9) \times ((9 \times (9 \times (9+9)+9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3075 &:= (1+1+1) \times (1 + (1+1)^{11-1}) \\
&:= (2/2+2) \times ((2^{22/2} + 2)/2) \\
&:= 3 + ((3+3) \times ((3-3/3)^{3 \times 3})) \\
&:= 4 + ((4^4 \times ((4+4)+4)) - 4/4) \\
&:= 5 + (5^5 - 55) \\
&:= 6 + (6 \times (6 \times 66 - 6) + ((6 \times 6)/(6+6))^6) \\
&:= (7/7 + 7 + 7) \times (((7+7)/7)^7 + 77) \\
&:= 888 + ((88/8 - 8)^{8-8/8}) \\
&:= ((9+9) \times (9 \times (9+9)+9)) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3076 &:= 1 + ((1+1+1) \times (1 + (1+1)^{11-1})) \\
&:= 2 \times (((2+2+2) \times 2^{2 \times (2+2)}) + 2) \\
&:= (((3 \times (3+3)) + 3)^3) - 33/3 \\
&:= 4 + (4^4 \times ((4+4)+4)) \\
&:= 5 + ((5^5 - 55) + 5/5) \\
&:= 666 + (6 \times (6 \times 66 + 6) - ((6+6)/6)) \\
&:= 7 \times 7 \times (7 \times 7 + 7 + 7) - 77/7 \\
&:= ((8 \times 8 \times (88+8)) + 8)/((8+8)/8) \\
&:= ((9+9) \times (9 \times (9+9)+9)) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3077 &:= 1 + (1 + ((1+1+1) \times (1 + (1+1)^{11-1}))) \\
&:= 2 + ((2/2+2) \times ((2^{22/2} + 2)/2)) \\
&:= 333 + ((33/3+3)^3) \\
&:= 4 + ((4^4 \times ((4+4)+4)) + 4/4) \\
&:= 5 + (((5+5)/5 - 55) + 5^5) \\
&:= 666 + (6 \times (6 \times 66 + 6) - 6/6) \\
&:= ((7-77)/7) + 7 \times 7 \times (7 \times 7 + 7 + 7) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 - 8 - 8))) - (88/8)) + 8) \\
&:= ((9+9) \times (9 \times (9+9)+9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3078 &:= (1+1+1) \times (1+1 + (1+1)^{11-1}) \\
&:= (2/2+2) \times ((2^{2 \times (2+2)+2}) + 2) \\
&:= 3 \times (3 \times 333 + 3^3) \\
&:= 4 + ((4^4 \times ((4+4)+4)) + (4+4)/4) \\
&:= 5 + ((5^5 - ((5+5)/5 + 55)) + 5) \\
&:= 666 + 6 \times (6 \times 66 + 6) \\
&:= ((7+7)/7 + 7) \times (7 \times 7 \times 7 - 7/7) \\
&:= (8 - (8+8)/8) \times (8 \times 8 \times 8 + 8/8) \\
&:= (9+9) \times (9 \times (9+9)+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3079 &:= 1 + ((1+1+1) \times (1+1 + (1+1)^{11-1})) \\
&:= (2 \times (2 \times (22-2))^2) - (22/2)^2 \\
&:= 3 + (((3 \times (3+3)) + 3)^3) - 33/3 \\
&:= 4 + (((4^4 \times ((4+4)+4)) - 4/4) + 4) \\
&:= 5 + ((5^5 - (55+5/5)) + 5) \\
&:= 6/6 + (6 \times (6 \times 66 + 6) + 666) \\
&:= 7 \times 7 \times (7 \times 7 + 7 + 7) - (7/7 + 7) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8 - 8))) - 8/8) \\
&:= 9/9 + ((9+9) \times (9 \times (9+9)+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3080 &:= ((111^{1+1}) - 1)/(1+1+1+1) \\
&:= (2 - 222) \times (2 - 2^{2+2}) \\
&:= 3 + (((33/3+3)^3) + 333) \\
&:= 4 + ((4^4 \times ((4+4)+4)) + 4) \\
&:= 5 + ((5^5 - 55) + 5) \\
&:= 66/6 \times (((6+6)/6)^6 + 6 \times 6 \times 6) \\
&:= 7 \times 7 \times (7 \times 7 + 7 + 7) - 7 \\
&:= 8 + (8 \times (8 \times (8 \times 8 - 8 - 8))) \\
&:= (9+9)/9 + ((9+9) \times (9 \times (9+9)+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3081 &:= 1 + (((111^{1+1}) - 1)/(1+1+1+1)) \\
&:= 2/2 + ((2 - 222) \times (2 - 2^{2+2})) \\
&:= 3 + (3 \times (3 \times 333 + 3^3)) \\
&:= ((4/4+4)^{4+4/4}) - 44 \\
&:= 5^5 + (55/5 - 55) \\
&:= 6666 \times 6/(6+6) - 6 \times (6 \times 6 + 6) \\
&:= 7/7 + (7 \times 7 \times (7 \times 7 + 7 + 7) - 7) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8 - 8))) + 8/8) \\
&:= 9 + (((9+9)/9)^9) \times (9 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3082 &:= 11 + (((1+1+1) \times (1+1)^{11-1}) - 1) \\
&:= 2 + ((2 - 222) \times (2 - 2^{2+2})) \\
&:= (((3 \times (3+3)) + 3)^3) + 3/3 - 3 - 3 \\
&:= (44 - 4)/4 + (4^4 \times ((4+4)+4)) \\
&:= 5^5 + (((55+5)/5) - 55) \\
&:= (66+6/6) \times (((66-6)/6) + 6 \times 6) \\
&:= (7+7)/7 + (7 \times 7 \times (7 \times 7 + 7 + 7) - 7) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8 - 8))) + (88/8)/8) \\
&:= ((9+9)/9) \times ((9 \times (9 \times (9+9)+9)) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3083 &:= 11 + ((1+1+1) \times (1+1)^{11-1}) \\
&:= (((2/2+2) \times 2^{22/2}) + 22)/2 \\
&:= (((3 \times (3+3)) + 3)^3) - 3/3 - 3 \\
&:= 44/4 + (4^4 \times ((4+4)+4)) \\
&:= 5^5 - (((5+5)/5)^5 + 5) + 5 \\
&:= ((6-6/6)^{6-6/6}) - (6 \times 6 + 6) \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7 + 7) - (77/7)) \\
&:= 88/8 + (8 \times (8 \times (8 \times 8 - 8 - 8))) \\
&:= ((9 \times 9 + 9)/(9+9)) + ((9+9) \times (9 \times (9+9)+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3084 &:= 1 + (11 + ((1+1+1) \times (1+1)^{11-1})) \\
&:= 2 \times ((2 \times 22 - 2)^2 - 222) \\
&:= (((3 \times (3+3)) + 3)^3)/3 - 3 \\
&:= (4 - 4/4) \times (4 \times 4^4 + 4) \\
&:= 5^5 - (55/5 + 5 \times 5 + 5) \\
&:= 6 + (6 \times (6 \times 66 + 6) + 666) \\
&:= (77/7 - 7) \times ((777 - 7) + 7/7) \\
&:= 8 + (((8 \times 8 \times (88+8)) + 8)/(8+8)/8) \\
&:= 9 + (((9+9) \times (9 \times (9+9)+9)) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3085 &:= 1 + (1 + (11 + ((1+1+1) \times (1+1)^{11-1}))) \\
&:= 2 + (((2/2+2) \times 2^{22/2}) + 22)/2 \\
&:= (((3 \times (3+3)) + 3)^3) - (3+3)/3 \\
&:= 4 + (((4/4+4)^{4+4/4}) - 44) \\
&:= 5 + (((5^5 - 55) + 5) + 5) \\
&:= ((6+6) \times (6 \times (6 \times 6 + 6) + 6)) - 66/6 \\
&:= 7 \times 7 \times (7 \times 7 + 7 + 7) - (7+7)/7 \\
&:= 88 + (888/8 \times (88/8 + 8 + 8)) \\
&:= 9 + (((9+9) \times (9 \times (9+9)+9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3086 &:= 11 + ((1+1+1) \times (1 + (1+1)^{11-1})) \\
&:= (222 \times (2^{2+2} - 2)) - 22 \\
&:= (((3 \times (3+3)) + 3)^3) - 3/3 \\
&:= 4 + ((4^4 \times ((4+4)+4)) + (44 - 4)/4) \\
&:= 5 + ((55/5 - 55) + 5^5) \\
&:= 6 + ((66/6) \times (((6+6)/6)^6 + 6 \times 6 \times 6)) \\
&:= 7 \times 7 \times (7 \times 7 + 7 + 7) - 7/7 \\
&:= 8 + ((8 - (8+8)/8) \times (8 \times 8 \times 8 + 8/8)) \\
&:= 9 + (((9+9) \times (9 \times (9+9)+9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3087 &:= ((11 + (11 - 1))^{1+1+1})/(1+1+1) \\
&:= ((2/2+2+2) + 2) \times ((22 - 2/2)^2) \\
&:= (((3 \times (3+3)) + 3)^3)/3 \\
&:= 4 + ((4^4 \times ((4+4)+4)) + 44/4) \\
&:= 5 + (((55+5)/5) - 55) + 5^5 \\
&:= ((6-6/6)^{6-6/6}) - ((6+6)/6 + 6 \times 6) \\
&:= 7 \times 7 \times (7 \times 7 + 7 + 7) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 - 8 - 8))) - 8/8) + 8) \\
&:= 9 + ((9+9) \times (9 \times (9+9)+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3088 &:= 1 + (((11 + (11 - 1))^{1+1+1}) / (1 + 1 + 1)) \\
&:= 2 \times (2 \times 22^2 + ((22 + 2)^2)) \\
&:= (((3 \times (3 + 3)) + 3)^3) / 3 \\
&:= 4 \times ((4 \times (4 \times (44 + 4))) + 4) \\
&:= 5^5 - (((5 + 5) / 5)^5 + 5) \\
&:= ((6 + 6) / 6)^6 + (6 \times (6 + 6) \times (6 \times 6 + 6)) \\
&:= 7 / 7 + 7 \times 7 \times (7 \times 7 + 7 + 7) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8 - 8))) + 8) \\
&:= 9 + (((9 + 9) \times (9 \times (9 + 9) + 9)) + 9 / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3089 &:= 11 + ((1 + 1 + 1) \times (1 + 1 + (1 + 1)^{11-1})) \\
&:= (2 \times (2 \times (22 - 2))^2) - 222 / 2 \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) - 3 / 3 \\
&:= 4 \times 4 + ((4^4 \times ((4 + 4) + 4)) + 4 / 4) \\
&:= 5^5 - (55 / 5 + 5 \times 5) \\
&:= ((6 - 6 / 6)^{6-6/6}) - 6 \times 6 \\
&:= (7 + 7) / 7 + 7 \times 7 \times (7 \times 7 + 7 + 7) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 - 8 - 8))) + 8 / 8) + 8) \\
&:= 99 / 9 + ((9 + 9) \times (9 \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3090 &:= (1 + 1 + 1) \times ((1 + (11 + (1 + 1)^{11})) / (1 + 1)) \\
&:= 2 + ((2 \times ((22 + 2)^2)) + (2 \times 22)^2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) / 3 \\
&:= 4 \times 4 + ((4^4 \times ((4 + 4) + 4)) + (4 + 4) / 4) \\
&:= 5^5 - ((5 \times 5 + 5) + 5) \\
&:= 66 + (6 \times (6 + 6) \times (6 \times 6 + 6)) \\
&:= (7 + 7 + 7) / 7 + 7 \times 7 \times (7 \times 7 + 7 + 7) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 - 8 - 8))) + ((8 + 8) / 8)) + 8) \\
&:= (99 + 9) / 9 + ((9 + 9) \times (9 \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3091 &:= 11 + (((111^{1+1}) - 1) / (1 + 1 + 1 + 1)) \\
&:= 2 + ((2 \times (2 \times (22 - 2))^2) - 222 / 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) + 3 / 3 \\
&:= 4 + (((4^4 \times ((4 + 4) + 4)) + 44 / 4) + 4) \\
&:= 5^5 + (5 / 5 - ((5 \times 5 + 5) + 5)) \\
&:= 66 + ((6 \times (6 + 6) \times (6 \times 6 + 6)) + 6 / 6) \\
&:= 77 / 7 + (7 \times 7 \times (7 \times 7 + 7 + 7) - 7) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8 - 8))) + (88 / 8)) \\
&:= 9999 / 9 + (99 \times (99 / 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3092 &:= 1 + (11 + (((111^{1+1}) - 1) / (1 + 1 + 1 + 1))) \\
&:= 2 \times ((2 \times 22^2 + ((22 + 2)^2)) + 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) - 3 / 3 + 3 \\
&:= 4 + ((4^4 \times ((4 + 4) + 4)) + 4 \times 4) \\
&:= 5^5 - (((5 + 5) / 5)^5 + 5 / 5) \\
&:= 66 + ((6 \times (6 + 6) \times (6 \times 6 + 6)) + ((6 + 6) / 6)) \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7 + 7) - ((7 + 7) / 7)) \\
&:= 8 + (((8 \times 8 \times (88 + 8)) + 8) / ((8 + 8) / 8)) + 8 \\
&:= (99999 / 9) - 9 \times 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3093 &:= (1 + 1 + 1 + 11) \times ((1 + 1) \times 111 - 1) - 1 \\
&:= 22 + (((2 / 2 + 2) \times 2^{22/2}) - 2) / 2 \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) / 3 + 3 \\
&:= ((4 / 4 + 4)^{4+4/4}) - 4 \times (4 + 4) \\
&:= 5^5 - ((5 + 5) / 5)^5 \\
&:= 6 \times 6 \times 66 + (((6 \times 6 / (6 + 6))^6) - (6 + 6)) \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7 + 7) - 7 / 7) \\
&:= (88 / 8 - 8) \times ((8 \times 8 \times (8 + 8) - 8 / 8) + 8) \\
&:= 99 + (((9 + 9 + 9) / 9) \times (999 - 9 / 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3094 &:= (1 + (1 + 1 + 11)) \times ((1 + 1) \times 111 - 1) \\
&:= (22 + 2 + 2) \times ((22 / 2)^2 - 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) + 3 / 3 + 3 \\
&:= 4^4 + (44 / 4 \times ((4 + 4) / 4 + 4^4)) \\
&:= 5^5 - ((5 \times 5 + 5 / 5) + 5) \\
&:= ((6 + 6) \times (6 \times (6 \times 6 + 6) + 6)) - (6 + 6) / 6 \\
&:= 7 + 7 \times 7 \times (7 \times 7 + 7 + 7) \\
&:= 8 + (((8 - (8 + 8) / 8) \times (8 \times 8 \times 8 + 8 / 8)) + 8) \\
&:= 9 + (((9 + 9) \times (9 \times (9 + 9) + 9)) - ((9 + 9) / 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3095 &:= 1 + (1 + 1 + 1 + 11) \times ((1 + 1) \times 111 - 1) \\
&:= (((22 + 2) \times (2^{2 \times (2+2)} + 2)) - 2) / 2 \\
&:= 3 \times 3 + (((3 \times (3 + 3)) + 3)^3) - 3 / 3 \\
&:= 44 / 4 + ((4 - 4 / 4) \times (4 \times 4^4 + 4)) \\
&:= 5^5 - (5 \times 5 + 5) \\
&:= 6 + (((6 - 6 / 6)^{6-6/6}) - 6 \times 6) \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7 + 7) + 7 / 7) \\
&:= ((8 + 8 + 8) \times (8 \times (8 + 8) + 8 / 8)) - 8 / 8 \\
&:= 9 + (((9 + 9) \times (9 \times (9 + 9) + 9)) - 9 / 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3096 &:= ((1 + 1)^{1+1+1}) - (11 - 1)^{1+1+1} \\
&:= 2 \times ((2 + 2 + 2) \times (2^{2 \times (2+2)} + 2)) \\
&:= 3 \times (3 \times 333 + 33) \\
&:= (4 - 4 / 4) \times ((4 \times 4^4 + 4) + 4) \\
&:= 5^5 + (5 / 5 - (5 \times 5 + 5)) \\
&:= (6 + 6) \times (6 \times (6 \times 6 + 6) + 6) \\
&:= ((7 + 7) / 7 + 7) \times (7 \times 7 \times 7 + 7 / 7) \\
&:= (8 + 8 + 8) \times (8 \times (8 + 8) + 8 / 8) \\
&:= 9 + (((9 + 9) \times (9 \times (9 + 9) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3097 &:= 1 + (((1 + 1)^{1+1+1}) - (11 - 1)^{1+1+1}) \\
&:= (222 \times (2^{2+2} - 2)) - 22 / 2 \\
&:= 3 \times 3 + (((3 \times (3 + 3)) + 3)^3) + 3 / 3 \\
&:= 4 + (((4 / 4 + 4)^{4+4/4}) - 4 \times (4 + 4)) \\
&:= 5^5 + ((5 + 5) / 5 - (5 \times 5 + 5)) \\
&:= 6 / 6 + ((6 + 6) \times (6 \times (6 \times 6 + 6) + 6)) \\
&:= ((77 - 7) / 7) + 7 \times 7 \times (7 \times 7 + 7 + 7) \\
&:= 8 / 8 + ((8 + 8 + 8) \times (8 \times (8 + 8) + 8 / 8)) \\
&:= (9 / 9 + 9 + 9) \times (9 \times (9 + 9) + 9 / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3098 &:= 1 + (1 + (((1 + 1)^{1+1+1}) - (11 - 1)^{1+1+1})) \\
&:= 2 + (2 \times ((2 + 2 + 2) \times (2^{2 \times (2+2)} + 2))) \\
&:= (((3 \times (3 + 3)) + 3)^3) + 33 / 3 \\
&:= 4 + ((44 / 4 \times ((4 + 4) / 4 + 4^4)) + 4^4) \\
&:= 5 + (5^5 - ((5 + 5) / 5)^5) \\
&:= (6 + 6) / 6 + ((6 + 6) \times (6 \times (6 \times 6 + 6) + 6)) \\
&:= 77 / 7 + 7 \times 7 \times (7 \times 7 + 7 + 7) \\
&:= (8 + 8) / 8 + ((8 + 8 + 8) \times (8 \times (8 + 8) + 8 / 8)) \\
&:= 9 + (((9 + 9) \times (9 \times (9 + 9) + 9)) + (99 / 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3099 &:= (1 + 1 + 1) \times (11 + ((1 + 1)^{11-1} - (1 + 1))) \\
&:= 2 + ((222 \times (2^{2+2} - 2)) - 22 / 2) \\
&:= 3 + (3 \times (3 \times 333 + 33)) \\
&:= 4 \times 4 + ((4^4 \times ((4 + 4) + 4)) + 44 / 4) \\
&:= 5^5 - (5 \times 5 + 5 / 5) \\
&:= 6 \times 6 \times 66 + (((6 \times 6 / (6 + 6))^6) - 6) \\
&:= (77 + 7) / 7 + 7 \times 7 \times (7 \times 7 + 7 + 7) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 - 8 - 8))) + (88 / 8)) + 8) \\
&:= (999 / 9 \times ((9 / 9 + 9 + 9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3100 &:= (1 + 1) \times ((11 - 1) \times (11 + (1 + 11)^{1+1})) \\
&:= 2 \times (((2 + 2 + 2) \times (2^{2 \times (2+2)} + 2)) + 2) \\
&:= 3 + ((3 \times (3 \times 333 + 33)) + 3 / 3) \\
&:= 4 + ((4 - 4 / 4) \times ((4 \times 4^4 + 4) + 4)) \\
&:= 5^5 - 5 \times 5 \\
&:= (66 \times (66 / 6 + 6 \times 6)) - (6 + 6) / 6 \\
&:= 7 + ((7 \times 7 \times (7 \times 7 + 7 + 7) - 7 / 7) + 7) \\
&:= ((8 \times (8 \times (88 + 8) + 8)) - 8) / ((8 + 8) / 8) \\
&:= (9 / 9 + 99) \times (((99 + 99) / 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3101 &:= ((1 + 1 + 1) \times (11 + ((1 + 1)^{11-1} - 1))) - 1 \\
&:= ((2 / 2 + 2 + 2) + 2) \times (((22 - 2 / 2)^2) + 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) + 33 / 3 \\
&:= ((4 - 4 / 4) + 4) \times (444 - 4 / 4) \\
&:= 5^5 + (5 / 5 - 5 \times 5) \\
&:= (66 \times (66 / 6 + 6 \times 6)) - 6 / 6 \\
&:= 7 + (7 \times 7 \times (7 \times 7 + 7 + 7) + 7) \\
&:= (8 - 8 / 8) \times (888 / ((8 + 8) / 8) - 8 / 8) \\
&:= 9 + ((99999 / 9) - 9 \times 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3102 &:= (1 + 1 + 1) \times (11 + ((1 + 1)^{11-1} - 1)) \\
&:= 22 \times (((22 / 2)^2 - 2) + 22) \\
&:= 3 + ((3 \times (3 \times 333 + 33)) + 3) \\
&:= (4 - 4 / 4) \times ((44 - 4) / 4 + 4 \times 4^4) \\
&:= 5^5 + ((5 + 5) / 5 - 5 \times 5) \\
&:= 66 \times (66 / 6 + 6 \times 6) \\
&:= 7 + ((7 \times 7 \times (7 \times 7 + 7 + 7) + 7 / 7) + 7) \\
&:= (((8 + 8) / 8) + 8 \times 8) \times (8 \times 8 - (8 / 8 + 8 + 8)) \\
&:= 99 / 9 \times ((999 / 9 + 9 \times (9 + 9)) + 9)
\end{aligned}$$

- ▶ **3103** := $1 + ((1 + 1 + 1) \times (11 + ((1 + 1)^{11-1} - 1)))$
:= $((2/2 + 2 + 2)^{2/2+2+2}) - 22$
:= $3^3 + (((3 \times (3 + 3)) + 3)^3) - 33/3$
:= $4 \times (4 + 4) + ((4^4 \times ((4 + 4) + 4)) - 4/4)$
:= $5^5 - (55 + 55)/5$
:= $6/6 + (66 \times (66/6 + 6 \times 6))$
:= $7 + (((7 + 7)/7 + 7) \times (7 \times 7 \times 7 + 7/7))$
:= $8 + (((8 + 8 + 8) \times (8 \times (8 + 8) + 8/8)) - 8/8)$
:= $(99/9 + 9 + 9) \times ((99 - 9/9) + 9)$
- ▶ **3104** := $((1 + 1 + 1) \times (11 + (1 + 1)^{11-1})) - 1$
:= $2^{2+2} \times (((2^{2+2} - 2)^2) - 2)$
:= $3 + (((3 \times (3 + 3)) + 3)^3 + 33)/3 + 3$
:= $4 \times (((4 \times (4 + 4)) + 4) + 4)$
:= $5 + (5^5 - (5 \times 5 + 5/5))$
:= $(6 + 6)/6 + (66 \times (66/6 + 6 \times 6))$
:= $(77/7 - 7) \times (777 - 7/7)$
:= $8 + ((8 + 8 + 8) \times (8 \times (8 + 8) + 8/8))$
:= $9 + (((9 + 9) \times (9 \times (9 + 9) + 9)) - 9/9 + 9) + 9$
- ▶ **3105** := $(1 + 1 + 1) \times (11 + (1 + 1)^{11-1})$
:= $(2/2 + 2) \times ((2^{22/2} + 22)/2)$
:= $3 \times (3 \times 333 + 33) + 3$
:= $(4/4 + 4) \times ((4/4 + 4)^4 - 4)$
:= $5 + (5^5 - 5 \times 5)$
:= $6 \times 6 \times 66 + ((6 \times 6/(6 + 6))^6)$
:= $7 + (7 \times 7 \times (7 \times 7 + 7 + 7) + (77/7))$
:= $8 \times 88 + ((8 - 8/8)^{8 \times 8/(8+8)})$
:= $9 + (((9 + 9) \times (9 \times (9 + 9) + 9)) + 9) + 9$
- ▶ **3106** := $1 + ((1 + 1 + 1) \times (11 + (1 + 1)^{11-1}))$
:= $(222 \times (2^{2+2} - 2)) - 2$
:= $3/3 + (3 \times ((3 \times 333 + 33) + 3))$
:= $4/4 + ((4/4 + 4) \times ((4/4 + 4)^4 - 4))$
:= $5 + ((5/5 - 5 \times 5) + 5^5)$
:= $6 + ((66 \times (66/6 + 6 \times 6)) - ((6 + 6)/6))$
:= $77 \times (7 \times 7 - 7) - ((7 + 7)/7)^7$
:= $((8 - (8 + 8)/8) \times ((8 \times 8 \times 8 - 8/8) + 8)) - 8$
:= $9 + ((9/9 + 9 + 9) \times (9 \times (9 + 9) + 9/9))$
- ▶ **3107** := $((1 + 1) \times (111 \times (1 + (1 + 1 + 1)))) - 1$
:= $(222 \times (2^{2+2} - 2)) - 2/2$
:= $((333 \times (3^3 + 3/3)) - 3)/3$
:= $(444 \times ((4 - 4/4) + 4)) - 4/4$
:= $5 + (((5 + 5)/5 - 5 \times 5) + 5^5)$
:= $((6 - 6/6)^{6-6/6}) - 6 - 6 - 6$
:= $(777 \times (77/7 - 7)) - 7/7$
:= $88/8 + ((8 + 8 + 8) \times (8 \times (8 + 8) + 8/8))$
:= $9 + (((9 + 9) \times (9 \times (9 + 9) + 9)) + (99/9) + 9)$
- ▶ **3108** := $(1 + 1) \times (111 \times (1 + (1 + 1 + 1)))$
:= $222 \times (2^{2+2} - 2)$
:= $(3^3 + 3/3) \times 333/3$
:= $444 \times ((4 - 4/4) + 4)$
:= $5^5 - (((55 + 5)/5) + 5)$
:= $6 + (66 \times (66/6 + 6 \times 6))$
:= $777 \times (77/7 - 7)$
:= $(8 - 8/8) \times 888/((8 + 8)/8)$
:= $999/9 \times ((9/9 + 9 + 9) + 9)$
- ▶ **3109** := $1 + ((1 + 1) \times (111 \times (1 + (1 + 1 + 1))))$
:= $2/2 + (222 \times (2^{2+2} - 2))$
:= $((333 \times (3^3 + 3/3)) + 3)/3$
:= $((4/4 + 4)^{4+4/4}) - 4 \times 4$
:= $5^5 - (55/5 + 5)$
:= $6 + ((66 \times (66/6 + 6 \times 6)) + 6/6)$
:= $7/7 + (777 \times (77/7 - 7))$
:= $8/8 + ((8 - 8/8) \times 888/((8 + 8)/8))$
:= $9 + ((9/9 + 99) \times (((99 + 99)/9) + 9))$
- ▶ **3110** := $(1 + 1) \times (1 + (111 \times (1 + (1 + 1 + 1))))$
:= $2 + (222 \times (2^{2+2} - 2))$
:= $3 + (((333 \times (3^3 + 3/3)) - 3)/3)$
:= $4/4 + (((4/4 + 4)^{4+4/4}) - 4 \times 4)$
:= $5^5 - (5 + 5 + 5)$
:= $6 + ((66 \times (66/6 + 6 \times 6)) + ((6 + 6)/6))$
:= $(7 + 7)/7 + (777 \times (77/7 - 7))$
:= $888 + (((8 + 8)/8) \times 888/8)$
:= $9 + (((99999/9) - 9 \times 9 \times 99) + 9)$
- ▶ **3111** := $1 + ((1 + 1) \times (1 + (111 \times (1 + (1 + 1 + 1))))$
:= $2 + ((222 \times (2^{2+2} - 2)) + 2/2)$
:= $3 + ((3^3 + 3/3) \times 333/3)$
:= $4 + ((444 \times ((4 - 4/4) + 4)) - 4/4)$
:= $5^5 + (5/5 - (5 + 5 + 5))$
:= $6 + (((6 \times 6/(6 + 6))^6) + 6 \times 6 \times 66)$
:= $7 + ((77/7 - 7) \times (777 - 7/7))$
:= $(8/8 + 8 + 8) \times ((888/8 + 8 \times 8) + 8)$
:= $9 \times 99 + ((99/9 + 9) \times 999/9)$
- ▶ **3112** := $(1 + 1) \times (1 + (1 + (111 \times (1 + (1 + 1 + 1))))$
:= $2 + ((222 \times (2^{2+2} - 2)) + 2)$
:= $3 + (((333 \times (3^3 + 3/3)) + 3)/3)$
:= $4 + (444 \times ((4 - 4/4) + 4))$
:= $5^5 - (55 + 5 + 5)/5$
:= $((6 + 6)/6 + 6) \times (6 \times 66 - (6/6 + 6))$
:= $(77/7 - 7) \times (777 + 7/7)$
:= $((8 \times 8 - 8)^{(8+8)/8}) - 8 - 8 - 8$
:= $9 + ((99/9 + 9 + 9) \times ((99 - 9/9) + 9))$
- ▶ **3113** := $11 \times (((1 + 1) \times ((1 + 11)^{1+1} - (1 + 1))) - 1)$
:= $2 + (((222 \times (2^{2+2} - 2)) + 2/2) + 2)$
:= $3^3 + (((3 \times (3 + 3)) + 3)^3) - 3/3$
:= $4 + (((4/4 + 4)^{4+4/4}) - 4 \times 4)$
:= $5^5 - (55 + 5)/5$
:= $((6 - 6/6)^{6-6/6}) - 6 - 6$
:= $7 + (77 \times (7 \times 7 - 7) - ((7 + 7)/7)^7)$
:= $88 + ((8 \times 8 - (8/8 + 8))^{(8+8)/8})$
:= $((9 + 9) \times (99/9 + 9 \times (9 + 9))) - 9/9$
- ▶ **3114** := $((1 + 111)/(1 + 1)^{1+1} - 11 - 11)$
:= $((2 \times (22 + 2 + 2 + 2))^2) - 22$
:= $3 \times (3 \times (((3/3 + 3 + 3)^3) + 3))$
:= $((4/4 + 4)^{4+4/4}) - 44/4$
:= $5^5 - 55/5$
:= $6 + ((66 \times (66/6 + 6 \times 6)) + 6)$
:= $7 + ((777 \times (77/7 - 7)) - 7/7)$
:= $(8 - (8 + 8)/8) \times ((8 \times 8 \times 8 - 8/8) + 8)$
:= $(9 + 9) \times (99/9 + 9 \times (9 + 9))$
- ▶ **3115** := $((1 + 111)/(1 + 1)^{1+1} - 11 - 11 + 1)$
:= $2/2 + (((2 \times (22 + 2 + 2 + 2))^2) - 22)$
:= $3^3 + (((3 \times (3 + 3)) + 3)^3) + 3/3$
:= $44 + ((4^4 \times ((4 + 4) + 4)) - 4/4)$
:= $5^5 - 5 - 5$
:= $(6 - 66)/6 + ((6 - 6/6)^{6-6/6})$
:= $7 + (777 \times (77/7 - 7))$
:= $(8/8 + 88) \times ((88/8 + 8 + 8) + 8)$
:= $9/9 + ((9 + 9) \times (99/9 + 9 \times (9 + 9)))$
- ▶ **3116** := $11 + ((1 + 1 + 1) \times (11 + (1 + 1)^{11-1}))$
:= $2 + (((2 \times (22 + 2 + 2 + 2))^2) - 22)$
:= $3333 - ((3 + 3)^3 + 3/3)$
:= $44 + (4^4 \times ((4 + 4) + 4))$
:= $5^5 + (5/5 - 5 - 5)$
:= $((6 - 66) + 6)/6 + ((6 - 6/6)^{6-6/6})$
:= $(7/7 - 77) \times ((7/7 - 7 \times 7) + 7)$
:= $8 + ((8 - 8/8) \times 888/((8 + 8)/8))$
:= $(9/9 + 9 + 9) \times (((9 + 9)/9) + 9 \times (9 + 9))$
- ▶ **3117** := $1 + (11 + ((1 + 1 + 1) \times (11 + (1 + 1)^{11-1})))$
:= $22/2 + ((222 \times (2^{2+2} - 2)) - 2)$
:= $3333 - (3 + 3)^3$
:= $((4/4 + 4)^{4+4/4}) - 4 - 4$
:= $5^5 + ((5 + 5)/5 - 5 - 5)$
:= $((6 - 6/6)^{6-6/6}) - ((6 + 6)/6 + 6)$
:= $7 + ((777 \times (77/7 - 7)) + ((7 + 7)/7))$
:= $((8 \times 8 - 8)^{(8+8)/8}) - (88/8 + 8)$
:= $9 + (999/9 \times ((9/9 + 9 + 9) + 9))$

$$\begin{aligned}
\blacktriangleright 3118 &:= (1+1) \times (((1+1+11) \times (11^{1+1} - 1)) - 1) \\
&:= 2222 + (2 \times (2 \times (222 + 2))) \\
&:= 3/3 + (3333 - (3+3)^3) \\
&:= (((4+4) + 4) \times (4^4 + 4)) - (4+4)/4 \\
&:= 5^5 - ((5+5)/5 + 5) \\
&:= ((6-6/6)^{6-6/6}) - 6/6 - 6 \\
&:= ((7 - ((7+7)/7))^{7-(7+7)/7}) - 7 \\
&:= (8-88)/8 + (((8 \times 8 - 8)^{(8+8)/8}) - 8) \\
&:= (99 \times (9 \times 9 - 9 - 9) - 9/9)/(9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3119 &:= 11 + ((1+1) \times (111 \times (1 + (1+1+11)))) \\
&:= 22/2 + (222 \times (2^{2+2} - 2)) \\
&:= 33 + (((((3 \times (3+3)) + 3)^3) - 3)/3) \\
&:= (((4+4) + 4) \times (4^4 + 4)) - 4/4 \\
&:= 5^5 - (5/5 + 5) \\
&:= ((6-6/6)^{6-6/6}) - 6 \\
&:= 7 + ((77/7 - 7) \times (777 + 7/7)) \\
&:= ((8 \times 8 - 8)^{(8+8)/8}) - (8/8 + 8 + 8) \\
&:= (99 \times (9 \times 9 - 9 - 9) + 9/9)/(9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3120 &:= (1+1) \times ((1+1+11) \times (11^{1+1} - 1)) \\
&:= (22+2) \times ((2 \times 2^{2+2+2}) + 2) \\
&:= 3 + (3333 - (3+3)^3) \\
&:= ((4+4) + 4) \times (4^4 + 4) \\
&:= 5^5 - 5 \\
&:= ((6+6)/6 + 6) \times (6 \times 66 - 6) \\
&:= (7/7 + 7) \times (7 \times (7 \times 7 + 7) - ((7+7)/7)) \\
&:= (8 - (8+8)/8) \times (8 \times 8 \times 8 + 8) \\
&:= (((9-9/9) + 9) + 9) \times (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3121 &:= 1 + ((1+1) \times ((1+1+11) \times (11^{1+1} - 1))) \\
&:= ((2/2 + 2 + 2)^{2/2+2+2}) - 2 - 2 \\
&:= 33 + (((((3 \times (3+3)) + 3)^3) + 3)/3) \\
&:= ((4/4 + 4)^{4+4/4}) - 4 \\
&:= 5^5 + 5/5 - 5 \\
&:= 6/6 + (((6+6)/6 + 6) \times (6 \times 66 - 6)) \\
&:= ((7 \times 7 + 7)^{(7+7)/7}) - (7/7 + 7 + 7) \\
&:= 8/8 + ((8 - (8+8)/8) \times (8 \times 8 \times 8 + 8)) \\
&:= ((99+9) \times (99/9 + 9 + 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3122 &:= (1 + (1+1+11)) \times (1 + (1+1) \times 111) \\
&:= (2^{2+2} - 2) \times (222 + 2/2) \\
&:= ((3-3/3+3)^{3-3/3+3}) - 3 \\
&:= 4/4 + (((4/4 + 4)^{4+4/4}) - 4) \\
&:= 5^5 + ((5+5)/5 - 5) \\
&:= ((6-6/6)^{6-6/6}) - 6 \times 6/(6+6) \\
&:= ((7 \times 7 + 7)^{(7+7)/7}) - (7+7) \\
&:= (8-8/8) \times (8 \times (8 \times 8 - 8) - ((8+8)/8)) \\
&:= 9 + (((9+9) \times (99/9 + 9 \times (9+9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3123 &:= 1 + (1+1+1+11) \times (1 + (1+1) \times 111) \\
&:= ((2/2 + 2 + 2)^{2/2+2+2}) - 2 \\
&:= 3 \times (3 \times (333 + 3) + 33) \\
&:= 4 + (((4+4) + 4) \times (4^4 + 4)) - 4/4 \\
&:= 5^5 - (5+5)/5 \\
&:= ((6-6/6)^{6-6/6}) - (6+6)/6 \\
&:= 77 \times (7 \times 7 - 7) - 777/7 \\
&:= 8 + ((8/8 + 88) \times ((88/8 + 8 + 8) + 8)) \\
&:= 9 + ((9+9) \times (99/9 + 9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3124 &:= (1+1) \times (11 \times ((1+11)^{1+1} - (1+1))) \\
&:= 22 \times (((2 \times (2+2+2))^2) - 2) \\
&:= 3 + (((((3 \times (3+3)) + 3)^3) + 3)/3) + 33) \\
&:= 4 + (((4+4) + 4) \times (4^4 + 4)) \\
&:= 5^5 - 5/5 \\
&:= ((6-6/6)^{6-6/6}) - 6/6 \\
&:= ((7-777)/7) + 77 \times (7 \times 7 - 7) \\
&:= (88/((8+8)/8)) \times ((8 \times 8 - 8/8) + 8) \\
&:= 9 + (((9+9) \times (99/9 + 9 \times (9+9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3125 &:= (1 + (1+1+1+1))^{1+1+1+1+1} \\
&:= (2/2 + 2 + 2)^{2/2+2+2} \\
&:= (3-3/3+3)^{3-3/3+3} \\
&:= (4/4 + 4)^{4+4/4} \\
&:= 5^5 \\
&:= (6-6/6)^{6-6/6} \\
&:= (7 - ((7+7)/7))^{7-(7+7)/7} \\
&:= ((8 \times 8 - 8)^{(8+8)/8}) - 88/8 \\
&:= ((9 \times 9 + 9)/(9+9))^{(9 \times 9 + 9)/(9+9)}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3126 &:= 1 + ((1 + (1+1+1+1))^{1+1+1+1+1}) \\
&:= 2 + (22 \times (((2 \times (2+2+2))^2) - 2)) \\
&:= 3 + (3 \times (3 \times (333 + 3) + 33)) \\
&:= 4/4 + ((4/4 + 4)^{4+4/4}) \\
&:= 5^5 + 5/5 \\
&:= 6/6 + (((6-6/6)^{6-6/6}) \\
&:= 7/7 + ((7 - ((7+7)/7))^{7-(7+7)/7}) \\
&:= (8-88)/8 + ((8 \times 8 - 8)^{(8+8)/8}) \\
&:= (9 - ((9+9+9)/9)) \times (((9+9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3127 &:= 1 + (1 + ((1 + (1+1+1+1))^{1+1+1+1+1})) \\
&:= 2 + ((2/2 + 2 + 2)^{2/2+2+2}) \\
&:= 3 + ((((((3 \times (3+3)) + 3)^3) + 3)/3) + 33) + 3) \\
&:= (4+4)/4 + ((4/4 + 4)^{4+4/4}) \\
&:= 5^5 + (5+5)/5 \\
&:= (6+6)/6 + ((6-6/6)^{6-6/6}) \\
&:= ((7 \times 7 + 7)^{(7+7)/7}) - ((7+7)/7 + 7) \\
&:= ((8 \times 8 - 8)^{(8+8)/8}) - (8/8 + 8) \\
&:= (((999+9)/(9+9))^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3128 &:= (1+1) \times ((1+1)^{11} - ((11+11)^{1+1})) \\
&:= 2 \times (2^{22/2} - 22^2) \\
&:= 3 + ((3-3/3+3)^{3-3/3+3}) \\
&:= 4 + (((4+4) + 4) \times (4^4 + 4)) + 4 \\
&:= 5 + (5^5 - ((5+5)/5)) \\
&:= (6 \times 6/(6+6)) + ((6-6/6)^{6-6/6}) \\
&:= (7/7 + 7) \times (7 \times (7 \times 7 + 7) - 7/7) \\
&:= ((8 \times 8 - 8)^{(8+8)/8}) - 8 \\
&:= 9 \times 9 + (((9+9)/9)^{99/9}) + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3129 &:= 1 + ((1+1) \times ((1+1)^{11} - ((11+11)^{1+1}))) \\
&:= 2 + (((2/2 + 2 + 2)^{2/2+2+2}) + 2) \\
&:= 33 + (3 \times (3 \times 333 + 33)) \\
&:= 4 + ((4/4 + 4)^{4+4/4}) \\
&:= 5 + (5^5 - 5/5) \\
&:= 6 + (((6-6/6)^{6-6/6}) - ((6+6)/6)) \\
&:= ((7 \times 7 + 7)^{(7+7)/7}) - 7 \\
&:= 8/8 + (((8 \times 8 - 8)^{(8+8)/8}) - 8) \\
&:= ((9+9) \times (99 + 9 \times 9)) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3130 &:= (1+1) \times (11 + (111 \times (1 + (1+1+11)))) \\
&:= 2 + (2 \times (2^{22/2} - 22^2)) \\
&:= 3^{3+3} + ((3/3 + 3 + 3)^{3/3+3}) \\
&:= 4 + (((4/4 + 4)^{4+4/4}) + 4/4) \\
&:= 5 + 5^5 \\
&:= 6 + (((6-6/6)^{6-6/6}) - 6/6) \\
&:= 7/7 + (((7 \times 7 + 7)^{(7+7)/7}) - 7) \\
&:= (8+8)/8 + (((8 \times 8 - 8)^{(8+8)/8}) - 8) \\
&:= (9/9 + 9) \times ((9+9) \times (9+9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3131 &:= 1 + ((1+1) \times (11 + (111 \times (1 + (1+1+11)))))) \\
&:= (((22/2 + 2) \times (22^2 - 2)/2) - 2) \\
&:= 3 + (((3-3/3+3)^{3-3/3+3}) + 3) \\
&:= 44/4 + (((4+4) + 4) \times (4^4 + 4)) \\
&:= 5 + (5^5 + 5/5) \\
&:= 6 + ((6-6/6)^{6-6/6}) \\
&:= (7+7)/7 + (((7 \times 7 + 7)^{(7+7)/7}) - 7) \\
&:= 88/8 + ((8 - (8+8)/8) \times (8 \times 8 \times 8 + 8)) \\
&:= ((99+9) \times (99/9 + 9 + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3132 &:= (1+11) \times (((1+1) \times ((11 \times (1+11)) - 1)) - 1) \\
&:= 2 \times ((2^{22/2} - 22^2) + 2) \\
&:= (33+3) \times (3 \times 3^3 + 3+3) \\
&:= (4-4/4) \times (4 \times (4^4 + 4) + 4) \\
&:= 5 + ((5+5)/5 + 5^5) \\
&:= 6 \times (666 - (6+6) \times (6+6)) \\
&:= 7 + ((7 - ((7+7)/7))^{7-(7+7)/7}) \\
&:= (8/8 + 8) \times ((8 \times 88 - 8)/(8+8)/8) \\
&:= (99+9) \times (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3133 &:= (1+1+11) \times (((1+1) \times 11^{1+1}) - 1) \\
&:= (22/2+2) \times (22^2-2)/2 \\
&:= 3/3 + ((33+3) \times (3 \times 3^3+3+3)) \\
&:= 4 + (((4/4+4)^{4+4/4}) + 4) \\
&:= 5 + (5^5 - ((5+5)/5) + 5) \\
&:= 6 + (((6-6/6)^{6-6/6}) + ((6+6)/6)) \\
&:= ((7 \times 7+7)^{(7+7)/7}) - (7+7+7)/7 \\
&:= 8 + (((8 \times 8-8)^{(8+8)/8}) - (88/8)) \\
&:= 9/9 + ((99+9) \times (99/9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3134 &:= ((1+111)/(1+1))^{1+1} - 1 - 1 \\
&:= ((2 \times (22+2+2+2))^2) - 2 \\
&:= 3 \times 3 + ((3-3/3+3)^{3+3-3/3}) \\
&:= 4 + (((4/4+4)^{4+4/4}) + 4/4 + 4) \\
&:= 5 + (5^5 - 5/5 + 5) \\
&:= 6 + (((6-6/6)^{6-6/6}) + (6 \times 6/(6+6))) \\
&:= ((7 \times 7+7)^{(7+7)/7}) - (7+7)/7 \\
&:= ((8 \times 8-8)^{(8+8)/8}) - (8+8)/8 \\
&:= 9 + ((9 \times 9+9)/(9+9))^{(9 \times 9+9)/(9+9)}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3135 &:= ((1+111)/(1+1))^{1+1} - 1 \\
&:= ((2 \times (22+2+2+2))^2) - 2/2 \\
&:= 33 \times (3 \times 33 - (3/3+3)) \\
&:= ((4^4-4)/4) + (4^4 \times ((4+4)+4)) \\
&:= 5 + (5^5+5) \\
&:= 66/6 \times (6 \times 66 - 666/6) \\
&:= ((7 \times 7+7)^{(7+7)/7}) - 7/7 \\
&:= ((8 \times 8-8)^{(8+8)/8}) - 8/8 \\
&:= 9 + ((9 - ((9+9+9)/9)) \times (((9+9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3136 &:= ((1+111)/(1+1))^{1+1} \\
&:= (2 \times (22+2+2+2))^2 \\
&:= (3^3+3/3) \times ((333+3)/3) \\
&:= 4 \times (4 \times ((4 \times (44+4)) + 4)) \\
&:= 5^5 + 55/5 \\
&:= 66/6 + (((6-6/6)^{6-6/6}) \\
&:= (7 \times 7+7)^{(7+7)/7} \\
&:= (8 \times 8-8)^{(8+8)/8} \\
&:= ((999+9)/(9+9))^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3137 &:= ((1+111)/(1+1))^{1+1} + 1 \\
&:= 2/2 + ((2 \times (22+2+2+2))^2) \\
&:= 33 \times 33 + (3-3/3)^{33/3} \\
&:= 4 + (((4/4+4)^{4+4/4}) + 4) + 4) \\
&:= 5^5 + (55+5)/5 \\
&:= 6 + (((6-6/6)^{6-6/6}) + 6) \\
&:= 7/7 + ((7 \times 7+7)^{(7+7)/7}) \\
&:= 8/8 + ((8 \times 8-8)^{(8+8)/8}) \\
&:= 9/9 + (((999+9)/(9+9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3138 &:= ((1+111)/(1+1))^{1+1} + 1 + 1 \\
&:= 2 + ((2 \times (22+2+2+2))^2) \\
&:= 3 + (33 \times (3 \times 33 - (3/3+3))) \\
&:= (4+4)/4 + (4 \times (4 \times ((4 \times (44+4)) + 4))) \\
&:= 5^5 + (55+5+5)/5 \\
&:= 6 + (6 \times (666 - (6+6) \times (6+6))) \\
&:= (7+7)/7 + ((7 \times 7+7)^{(7+7)/7}) \\
&:= (8+8)/8 + ((8 \times 8-8)^{(8+8)/8}) \\
&:= 9 + (((9+9) \times (99+9 \times 9)) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3139 &:= ((1+111)/(1+1))^{1+1} + 1 + 1 + 1 \\
&:= 2 + (((2 \times (22+2+2+2))^2) + 2/2) \\
&:= 3 + ((3^3+3/3) \times ((333+3)/3)) \\
&:= 4 + ((4^4 \times ((4+4)+4)) + ((4^4-4)/4)) \\
&:= 5 + (((5^5-5/5)+5) + 5) \\
&:= ((6 \times 6+6/6)+6) \times (66+6/6+6) \\
&:= 77 + (7 - (7+7)/7)^{7-(7+7)/7} + 7 \\
&:= 88/8 + (((8 \times 8-8)^{(8+8)/8}) - 8) \\
&:= 9 + ((9/9+9) \times ((9+9) \times (9+9) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3140 &:= ((1+111)/(1+1))^{1+1} + 1 + 1 + 1 + 1 \\
&:= 2 + (((2 \times (22+2+2+2))^2) + 2) \\
&:= ((33/3+3)^3) + (33 \times (3 \times 3+3)) \\
&:= 4 + (4 \times (4 \times ((4 \times (44+4)) + 4))) \\
&:= 5 + (5^5+5+5) \\
&:= (6-6/6) \times (666 - ((6+6)/6+6 \times 6)) \\
&:= 77/7 + (((7 \times 7+7)^{(7+7)/7}) - 7) \\
&:= (8/((8+8)/8)) + ((8 \times 8-8)^{(8+8)/8}) \\
&:= (9/9+9) \times ((9+9) \times (9+9) - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3141 &:= ((1+111)/(1+1))^{1+1} + 1 + 1 + 1 + 1 + 1 \\
&:= 2 + (((2 \times (22+2+2+2))^2) + 2/2 + 2) \\
&:= (33 \times (3 \times 33 - 3)) - 3^3 \\
&:= 4 \times 4 + ((4/4+4)^{4+4/4}) \\
&:= 5 + (55/5+5^5) \\
&:= 6 \times (6 \times 66+6) + ((6 \times 6/(6+6))^6) \\
&:= 7 + (((7 \times 7+7)^{(7+7)/7}) - ((7+7)/7)) \\
&:= 8 + (((8 \times 8-8)^{(8+8)/8}) - (88/8)) + 8) \\
&:= ((9+9) \times (99+9 \times 9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3142 &:= (1+1) \times ((11 \times (11 \times (1+1+11))) - (1+1)) \\
&:= 2 + (((2 \times (22+2+2+2))^2) + 2) + 2) \\
&:= 3/3 + ((33 \times (3 \times 33 - 3)) - 3^3) \\
&:= 4 \times 4 + (((4/4+4)^{4+4/4}) + 4/4) \\
&:= 5 + (((55+5)/5) + 5^5) \\
&:= 6 + (((6-6/6)^{6-6/6}) + (66/6)) \\
&:= 7 + (((7 \times 7+7)^{(7+7)/7}) - 7/7) \\
&:= 8 + (((8 \times 8-8)^{(8+8)/8}) - ((8+8)/8)) \\
&:= 9/9 + (((9+9) \times (99+9 \times 9)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3143 &:= ((1+1) \times ((1+11) \times ((11 \times (1+11)) - 1))) - 1 \\
&:= (((22^2 \times (22/2+2)) - 2)/2) - 2 \\
&:= 3 + (((33/3+3)^3) + (33 \times (3 \times 3+3))) \\
&:= ((4-4/4)+4) \times (((444+4/4)+4) \\
&:= 5 + ((55+5+5)/5+5^5) \\
&:= 6 + (((6-6/6)^{6-6/6}) + 6) + 6) \\
&:= 7 + ((7 \times 7+7)^{(7+7)/7}) \\
&:= 8 + (((8 \times 8-8)^{(8+8)/8}) - 8/8) \\
&:= (9+9)/9 + (((9+9) \times (99+9 \times 9)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3144 &:= (1+1) \times ((1+11) \times ((11 \times (1+11)) - 1)) \\
&:= 2 \times (2 \times (((22+2+2+2))^2) + 2) \\
&:= 3 + ((33 \times (3 \times 33 - 3)) - 3^3) \\
&:= 4 + ((4 \times (4 \times ((4 \times (44+4)) + 4))) + 4) \\
&:= 5 \times 5 + (5^5 - (5/5+5)) \\
&:= (6 - ((6+6)/6)) \times (66 \times (6+6) - 6) \\
&:= 7 + (((7 \times 7+7)^{(7+7)/7}) + 7/7) \\
&:= 8 + ((8 \times 8-8)^{(8+8)/8}) \\
&:= (99+9)/9 \times ((9 \times (9+9) + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3145 &:= ((1+1) \times (11 \times (11 \times (1+1+11)))) - 1 \\
&:= ((22^2 \times (22/2+2)) - 2)/2 \\
&:= 3 + (((33 \times (3 \times 33 - 3)) - 3^3) + 3/3) \\
&:= (4/4+4) \times (((4/4+4)^4+4) \\
&:= 5 \times 5 + (5^5-5) \\
&:= (6-6/6) \times (666 - (6 \times 6+6/6)) \\
&:= 7 + (((7 \times 7+7)^{(7+7)/7}) + ((7+7)/7)) \\
&:= 8 + (((8 \times 8-8)^{(8+8)/8}) + 8/8) \\
&:= 9 + (((999+9)/(9+9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3146 &:= (1+1) \times (11 \times (11 \times (1+1+11))) \\
&:= 22 \times ((22/2)^2 + 22) \\
&:= 33/3 \times 33/3 \times (3^3 - 3/3) \\
&:= 4/4 + ((4/4+4) \times ((4/4+4)^4+4)) \\
&:= 5 + ((55/5+5^5) + 5) \\
&:= 66/6 \times (((6+6)/6)^6 + 6 \times 6 \times 6) + 6) \\
&:= 77/7 \times (7 \times (7 \times 7 - 7) - (7/7+7)) \\
&:= 8 + (((8 \times 8-8)^{(8+8)/8}) + ((8+8)/8)) \\
&:= 99 + (((9+9)/9)^{99/9} + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3147 &:= ((1+111)/(1+1))^{1+1} + 11 \\
&:= ((22^2 \times (22/2+2)) + 2)/2 \\
&:= (3 \times (3^3 \times (33+3+3) - 3)) - 3 \\
&:= 44/4 + (4 \times (4 \times ((4 \times (44+4)) + 4))) \\
&:= 5^5 + (55+55)/5 \\
&:= 6 + (6 \times (6 \times 66+6) + ((6 \times 6/(6+6))^6)) \\
&:= 77/7 + ((7 \times 7+7)^{(7+7)/7}) \\
&:= 88/8 + ((8 \times 8-8)^{(8+8)/8}) \\
&:= ((9+9+9) \times (99+9+9)) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3148 &:= 1111 + ((1+1)^{11} - 11) \\
&:= 2 + (22 \times ((22/2)^2 + 22)) \\
&:= (3 \times 3^3 \times (33+3+3)) - 33/3 \\
&:= 4444 - ((4+4)/4 + 4)^4 \\
&:= 5 \times 5 + (5^5 - ((5+5)/5)) \\
&:= 6 + (((6-6/6)^{6-6/6}) + (66/6)) + 6 \\
&:= (77+7)/7 + ((7 \times 7+7)^{(7+7)/7}) \\
&:= ((88+8)/8) + ((8 \times 8-8)^{(8+8)/8}) \\
&:= ((9+9+9) \times (99+9+9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3149 &:= 1 + (1111 + ((1+1)^{11} - 11)) \\
&:= 2 + (((22^2 \times (22/2+2)) + 2)/2) \\
&:= (3 \times (3^3 \times (33+3+3) - 3)) - 3/3 \\
&:= 4 + ((4/4+4) \times ((4/4+4)^4 + 4)) \\
&:= 5 \times 5 + (5^5 - 5/5) \\
&:= (66+6/6) \times (66/6 + 6 \times 6) \\
&:= 7 + (((7 \times 7+7)^{(7+7)/7}) - 7/7) + 7 \\
&:= 88 + ((8 \times (8 \times (8 \times 8 - 8 - 8))) - (88/8)) \\
&:= ((9+9+9) \times (99+9+9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3150 &:= 1 + (1 + (1111 + ((1+1)^{11} - 11))) \\
&:= 2 + ((22 \times ((22/2)^2 + 22)) + 2) \\
&:= 3 \times (3^3 \times (33+3+3) - 3) \\
&:= (4/4+4) \times (((4/4+4)^4 + 4/4) + 4) \\
&:= 5 \times 5 + 5^5 \\
&:= (6-6 \times 6) \times (6-666/6) \\
&:= 7 + (((7 \times 7+7)^{(7+7)/7}) + 7) \\
&:= (8-8/8) \times (8 \times (8 \times 8 - 8) + ((8+8)/8)) \\
&:= 9 \times (((9+9)/9)^9) - 9 \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3151 &:= 1 + (1 + (1 + (1111 + ((1+1)^{11} - 11)))) \\
&:= 2 + (((22^2 \times (22/2+2)) + 2)/2) + 2 \\
&:= 3/3 + (3 \times (3^3 \times (33+3+3) - 3)) \\
&:= (4 \times ((4 \times ((4 \times (44+4)) + 4)) + 4)) - 4/4 \\
&:= 5 \times 5 + (5^5 + 5/5) \\
&:= 6/6 + ((6-6 \times 6) \times (6-666/6)) \\
&:= 7 + (((7 \times 7+7)^{(7+7)/7}) + 7/7) + 7 \\
&:= 8 + (((8 \times 8-8)^{(8+8)/8}) - 8/8) + 8 \\
&:= 9/9 + (9 \times (((9+9)/9)^9) - 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3152 &:= (1+1) \times (1 + (1 + (1 + (11 \times (11 \times (1+1+11)))))) \\
&:= 2 \times ((2 \times (22-2))^2 - (22+2)) \\
&:= 3^3 + ((3-3/3+3)^{3-3/3+3}) \\
&:= 4 \times ((4 \times ((4 \times (44+4)) + 4)) + 4) \\
&:= 5 \times 5 + ((5+5)/5 + 5^5) \\
&:= ((6+6)/6+6) \times (6 \times 66 - ((6+6)/6)) \\
&:= (7/7+7) \times (7 \times (7 \times 7+7) + ((7+7)/7)) \\
&:= 8 + (((8 \times 8-8)^{(8+8)/8}) + 8) \\
&:= (9+9)/9 + (9 \times (((9+9)/9)^9) - 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3153 &:= 1111 + ((1+1)^{11} - ((1+1) \times (1+1+1))) \\
&:= 2/2 + (2 \times ((2 \times (22-2))^2 - (22+2))) \\
&:= 3 + (3 \times (3^3 \times (33+3+3) - 3)) \\
&:= (4-4/4)^4 + (4^4 \times ((4+4)+4)) \\
&:= 5 + ((5^5 - ((5+5)/5)) + 5 \times 5) \\
&:= 666 + (666/6 + 6 \times 6 \times 66) \\
&:= 7 + (((7 \times 7+7)^{(7+7)/7}) + ((77-7)/7)) \\
&:= 8 + (((8 \times 8-8)^{(8+8)/8}) + 8/8) + 8 \\
&:= 9 \times 9 + (((9+9)/9)^9) \times (9 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3154 &:= 1111 + ((1+1)^{11} - (1 + (1+1+1+1))) \\
&:= (2 \times ((2 \times (22-2))^2 - 22)) - 2 \\
&:= (33 \times (3 \times 33 - 3)) - (33/3+3) \\
&:= 4 + ((4/4+4) \times (((4/4+4)^4 + 4/4) + 4)) \\
&:= 5 + ((5^5 - 5/5) + 5 \times 5) \\
&:= (((6+6)/6+6) \times (6 \times 66 - 6/6)) - 6 \\
&:= 7 + (((7 \times 7+7)^{(7+7)/7}) + (77/7)) \\
&:= 8 + (((8 \times 8-8)^{(8+8)/8}) + ((8+8)/8) + 8) \\
&:= 9 + (((999+9)/(9+9))^{(9+9)/9}) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3155 &:= 1111 + ((1+1)^{11} - (1+1+1+1)) \\
&:= (2 \times ((2 \times (22-2))^2 - 22)) - 2/2 \\
&:= (3 \times 33 \times 33) - ((333+3)/3) \\
&:= 4^4 \times (4+4) + (4444/4 - 4) \\
&:= 5 + (5 \times 5 + 5^5) \\
&:= 6 \times 6 + (((6-6/6)^{6-6/6}) - 6) \\
&:= 77 \times (7 \times 7 - 7) - ((7+7)/7 + 77) \\
&:= 8 + (((8 \times 8-8)^{(8+8)/8}) + (88/8)) \\
&:= 9 + (((9+9)/9)^{99/9}) + 999 + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3156 &:= (1+11) \times (((1+1) \times (11 \times (1+11))) - 1) \\
&:= 2 \times ((2 \times (22-2))^2 - 22) \\
&:= (3 \times 3^3 \times (33+3+3)) - 3 \\
&:= 4 + (4 \times ((4 \times ((4 \times (44+4)) + 4)) + 4)) \\
&:= 5 + ((5 \times 5 + 5^5) + 5/5) \\
&:= (66 \times (6 \times 6 + 6 + 6)) - 6 - 6 \\
&:= 77 \times (7 \times 7 - 7) - 7/7 - 77 \\
&:= (((88 \times (8 \times 8 + 8)) - 8)/(8+8)/8) - 8 \\
&:= ((9+9+9)/9) \times ((9 \times (99+9+9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3157 &:= 11 \times (((1+1) \times (1+11)^{1+1}) - 1) \\
&:= 22/2 \times (((22+2)^2) - 2)/2 \\
&:= (33 \times (3 \times 33 - 3)) - 33/3 \\
&:= 4 \times (4+4) + ((4/4+4)^{4+4/4}) \\
&:= 5^5 + ((5+5)/5)^5 \\
&:= (66 \times (6 \times 6 + 6 + 6)) - 66/6 \\
&:= 77 \times (7 \times 7 - (7/7+7)) \\
&:= 88/8 \times ((888/8+88) + 88) \\
&:= ((9+9+9) \times (99+9+9)) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3158 &:= 1111 + ((1+1)^{11} - 1) \\
&:= 2 + (2 \times ((2 \times (22-2))^2 - 22)) \\
&:= (3 \times 3^3 \times (33+3+3)) - 3/3 \\
&:= 4^4 \times (4+4) + (4444-4)/4 \\
&:= 5^5 + (((5+5)/5)^5 + 5/5) \\
&:= (6-66)/6 + (66 \times (6 \times 6 + 6 + 6)) \\
&:= 7/7 + (77 \times (7 \times 7 - (7/7+7))) \\
&:= 8 + ((8-8/8) \times (8 \times (8 \times 8 - 8) + ((8+8)/8))) \\
&:= ((9+9+9) \times (99+9+9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3159 &:= 1111 + (1+1)^{11} \\
&:= 2^{22/2} + 2222/2 \\
&:= 3 \times 3^3 \times (33+3+3) \\
&:= 4^4 \times (4+4) + 4444/4 \\
&:= 5 + (((5^5 - 5/5) + 5 \times 5) + 5) \\
&:= 6 \times 6 + (((6-6/6)^{6-6/6}) - ((6+6)/6)) \\
&:= (7+7)/7 + (77 \times (7 \times 7 - (7/7+7))) \\
&:= 88 + ((8 \times (8 \times (8 \times 8 - 8 - 8))) - 8/8) \\
&:= (9+9+9) \times (99+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3160 &:= 1 + (1111 + (1+1)^{11}) \\
&:= 2 \times (((2 \times (22-2))^2 - 22) + 2) \\
&:= 3/3 + (3 \times 3^3 \times (33+3+3)) \\
&:= 44 + ((4^4 \times ((4+4)+4)) + 44) \\
&:= 5 + ((5 \times 5 + 5^5) + 5) \\
&:= ((6+6)/6+6) \times (6 \times 66 - 6/6) \\
&:= 777 + (7 \times 7 \times 7 - (77/7+7)) \\
&:= 88 + (8 \times (8 \times (8 \times 8 - 8 - 8))) \\
&:= 9/9 + ((9+9+9) \times (99+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3161 &:= 1 + (1 + (1111 + (1+1)^{11})) \\
&:= 2 + ((2222/2) + 2^{22/2}) \\
&:= 3 + ((3 \times 3^3 \times (33+3+3)) - 3/3) \\
&:= 4 + (((4/4+4)^{4+4/4}) + 4 \times (4+4)) \\
&:= 5 \times 5 + (55/5 + 5^5) \\
&:= 6 \times 6 + ((6-6/6)^{6-6/6}) \\
&:= ((7-7/7) \times (7 \times 77 - (77/7))) - 7 \\
&:= 8/8 + ((8 \times (8 \times (8 \times 8 - 8 - 8))) + 88) \\
&:= (9+9)/9 + ((9+9+9) \times (99+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3162 &:= 1 + (1 + (1 + (1111 + (1+1)^{11}))) \\
&:= (2+2+2) \times ((22+2/2)^2 - 2) \\
&:= 3 + (3 \times 3^3 \times (33+3+3)) \\
&:= 4 + ((4444-4)/4 + 4^4 \times (4+4)) \\
&:= 5 + (((5+5)/5)^5 + 5^5) \\
&:= (66 \times (6 \times 6 + 6 + 6)) - 6 \\
&:= (7-7/7) \times (7 \times 77 - (77+7)/7) \\
&:= 88 + ((8 \times (8 \times (8 \times 8 - 8 - 8))) + ((8+8)/8)) \\
&:= ((9+9+9)/9) + ((9+9+9) \times (99+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3163 &:= 1 + (1 + (1 + (1 + (1111 + (1 + 1)^{11})))) \\
&:= 2 + (((2222/2) + 2^{22/2}) + 2) \\
&:= 3 + ((3 \times 3^3 \times (33 + 3 + 3)) + 3/3) \\
&:= 4 + (4444/4 + 4^4 \times (4 + 4)) \\
&:= 5 + (((5 + 5)/5)^5 + 5^5) + 5/5 \\
&:= 6/6 + ((66 \times (6 \times 6 + 6 + 6)) - 6) \\
&:= 7 + (77 \times (7 \times 7 - 7) - (7/7 + 77)) \\
&:= 8 + (((8 \times 8 - 8)^{(8+8)/8}) + (88/8)) + 8 \\
&:= 9 + (((((999 + 9)/(9 + 9))^{(9+9)/9}) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3164 &:= (1 + 1) \times ((11 \times (1 + 11)^{1+1}) - (1 + 1)) \\
&:= 2 \times ((2 \times (22 \times (2 + 2 + 2)^2)) - 2) \\
&:= (33 \times (3 \times 33 - 3)) - (3/3 + 3) \\
&:= 44 + (((4 + 4) + 4) \times (4^4 + 4)) \\
&:= 55 + (5^5 - (55/5 + 5)) \\
&:= (6 + 6)/6 + ((66 \times (6 \times 6 + 6 + 6)) - 6) \\
&:= 7 + (77 \times (7 \times 7 - (7/7 + 7))) \\
&:= ((88 \times (8 \times 8 + 8)) - 8)/((8 + 8)/8) \\
&:= ((9/9 + 9 + 9) + 9) \times ((999 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3165 &:= ((1 + 1) \times ((11 \times (1 + 11)^{1+1}) - 1)) - 1 \\
&:= (22 \times ((2 \times (2 + 2 + 2)^2)) - 2/2 - 2) \\
&:= (33 \times (3 \times 33 - 3)) - 3 \\
&:= 44 + (((4/4 + 4)^{4+4/4}) - 4) \\
&:= 5 + (((5 \times 5 + 5^5) + 5) + 5) \\
&:= (66 \times (6 \times 6 + 6 + 6)) - 6 \times 6/(6 + 6) \\
&:= 7 + ((77 \times (7 \times 7 - (7/7 + 7))) + 7/7) \\
&:= 8/8 + (((88 \times (8 \times 8 + 8)) - 8)/((8 + 8)/8)) \\
&:= ((99 \times 99 - 9)/(9 + 9 + 9)/9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3166 &:= (1 + 1) \times ((11 \times (1 + 11)^{1+1}) - 1) \\
&:= (22 \times ((2 \times (2 + 2 + 2)^2)) - 2) \\
&:= 3/3 + ((33 \times (3 \times 33 - 3)) - 3) \\
&:= (44 \times ((4 \times 4 \times 4 + 4) + 4)) - (4 + 4)/4 \\
&:= 5 + ((55/5 + 5^5) + 5 \times 5) \\
&:= (66 \times (6 \times 6 + 6 + 6)) - (6 + 6)/6 \\
&:= 7 + ((77 \times (7 \times 7 - (7/7 + 7))) + ((7 + 7)/7)) \\
&:= 88 + ((8 - (8 + 8)/8) \times (8 \times 8 \times 8 + 8/8)) \\
&:= 9 + (((9 + 9 + 9) \times (99 + 9 + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3167 &:= ((1 + 1) \times (11 \times (1 + 11)^{1+1})) - 1 \\
&:= (22 \times ((2 \times (2 + 2 + 2)^2)) - 2/2) \\
&:= (33 \times (3 \times 33 - 3)) - 3/3 \\
&:= (44 \times ((4 \times 4 \times 4 + 4) + 4)) - 4/4 \\
&:= 5 + (((5 + 5)/5)^5 + 5^5) + 5 \\
&:= (66 \times (6 \times 6 + 6 + 6)) - 6/6 \\
&:= 777 + (7 \times 7 \times 7 \times 7 - (77/7)) \\
&:= (8 \times ((88 \times (8 \times 8 + 8))/(8 + 8))) - 8/8 \\
&:= 9 + (((9 + 9 + 9) \times (99 + 9 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3168 &:= (1 + 1) \times (11 \times (1 + 11)^{1+1}) \\
&:= 22 \times ((2 \times (2 + 2 + 2)^2) \\
&:= 33 \times (3 \times 33 - 3) \\
&:= 44 \times ((4 \times 4 \times 4 + 4) + 4) \\
&:= 55 + (5^5 - ((55 + 5)/5)) \\
&:= 66 \times (6 \times 6 + 6 + 6) \\
&:= (7 - 7/7) \times (7 \times 77 - (77/7)) \\
&:= 8 \times ((88 \times (8 \times 8 + 8))/(8 + 8)) \\
&:= 9 + ((9 + 9 + 9) \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3169 &:= 1 + ((1 + 1) \times (11 \times (1 + 11)^{1+1})) \\
&:= 2/2 + (22 \times ((2 \times (2 + 2 + 2)^2)) \\
&:= 3/3 + (33 \times (3 \times 33 - 3)) \\
&:= 44 + (((4/4 + 4)^{4+4/4}) \\
&:= 55 + (5^5 - (55/5)) \\
&:= 6/6 + (66 \times (6 \times 6 + 6 + 6)) \\
&:= 7777/7 + 7 \times 7 \times (7 \times 7 - 7) \\
&:= 8/8 + (8 \times ((88 \times (8 \times 8 + 8))/(8 + 8))) \\
&:= 9 + (((9 + 9 + 9) \times (99 + 9 + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3170 &:= 11 + (1111 + (1 + 1)^{11}) \\
&:= 2 + (22 \times ((2 \times (2 + 2 + 2)^2)) \\
&:= 3 + ((33 \times (3 \times 33 - 3)) - 3/3) \\
&:= 44 + (((4/4 + 4)^{4+4/4}) + 4/4) \\
&:= 55 + (5^5 - 5 - 5) \\
&:= (6 + 6)/6 + (66 \times (6 \times 6 + 6 + 6)) \\
&:= 777 + (7 \times 7 \times 7 \times 7 - (7/7 + 7)) \\
&:= (8 + 8)/8 + (8 \times ((88 \times (8 \times 8 + 8))/(8 + 8))) \\
&:= 99/9 + ((9 + 9 + 9) \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3171 &:= 1 + (11 + (1111 + (1 + 1)^{11})) \\
&:= 2 + ((22 \times ((2 \times (2 + 2 + 2)^2)) + 2/2) \\
&:= 3 + (33 \times (3 \times 33 - 3)) \\
&:= 4 + ((44 \times ((4 \times 4 \times 4 + 4) + 4)) - 4/4) \\
&:= 55 + ((5/5 - 5 - 5) + 5^5) \\
&:= (6 \times 6/(6 + 6)) + (66 \times (6 \times 6 + 6 + 6)) \\
&:= 777 + (7 \times 7 \times 7 \times 7 - 7) \\
&:= 88 + ((8 \times (8 \times (8 \times 8 - 8 - 8))) + (88/8)) \\
&:= 99 + (((9 + 9)/9)^9) \times (9 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3172 &:= (1 + 1) \times (1 + (1 + (11 \times (1 + 11)^{1+1}))) \\
&:= 2 + ((22 \times ((2 \times (2 + 2 + 2)^2)) + 2) \\
&:= 3 + ((33 \times (3 \times 33 - 3)) + 3/3) \\
&:= 4 + (44 \times ((4 \times 4 \times 4 + 4) + 4)) \\
&:= 5 + ((5 + 5)/5)^5 + 5^5 + 5 + 5 \\
&:= 6 + ((66 \times (6 \times 6 + 6 + 6)) - ((6 + 6)/6)) \\
&:= 7/7 + ((7 \times 7 \times 7 \times 7 - 7) + 777) \\
&:= ((88 \times (8 \times 8 + 8)) + 8)/((8 + 8)/8) \\
&:= 9 \times (9 + 9) \times (9 + 9) + (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3173 &:= 1 + ((1 + 1) \times (1 + (1 + (11 \times (1 + 11)^{1+1})))) \\
&:= ((2 + 2 + 2) \times ((22 + 2/2)^2)) - 2/2 \\
&:= 3 + (((33 \times (3 \times 33 - 3)) - 3/3) + 3) \\
&:= 4 + (((4/4 + 4)^{4+4/4}) + 44) \\
&:= 55 + (5^5 - ((5 + 5)/5 + 5)) \\
&:= 6 + ((66 \times (6 \times 6 + 6 + 6)) - 6/6) \\
&:= 77 + (((7 + 7)/7 + 7) \times (7 \times 7 \times 7 + 7/7)) \\
&:= 8/8 + (((88 \times (8 \times 8 + 8)) + 8)/((8 + 8)/8)) \\
&:= (9 \times (9 - 9 \times 99)) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3174 &:= (1 + 1) \times (1 + (1 + (1 + (11 \times (1 + 11)^{1+1})))) \\
&:= (2 + 2 + 2) \times ((22 + 2/2)^2) \\
&:= 3 + ((33 \times (3 \times 33 - 3)) + 3) \\
&:= ((4^4 + 4)/4 + 4) \times ((4 + 4)/4 + 44) \\
&:= 55 + (5^5 - (5/5 + 5)) \\
&:= 6 + (66 \times (6 \times 6 + 6 + 6)) \\
&:= 7 \times 7 + ((7 - ((7 + 7)/7))^{7-(7+7)/7}) \\
&:= (8 - (8 + 8)/8) \times (((8 \times 8 \times 8 + 8/8) + 8) + 8) \\
&:= 9 + (((99 \times 99 - 9)/(9 + 9 + 9)/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3175 &:= 1 + ((1 + 1) \times (1 + (1 + (1 + (11 \times (1 + 11)^{1+1})))) \\
&:= 2/2 + ((2 + 2 + 2) \times ((22 + 2/2)^2)) \\
&:= 3 + (((33 \times (3 \times 33 - 3)) + 3/3) + 3) \\
&:= 4 + (((44 \times ((4 \times 4 \times 4 + 4) + 4)) - 4/4) + 4) \\
&:= 55 + (5^5 - 5) \\
&:= 6 + ((66 \times (6 \times 6 + 6 + 6)) + 6/6) \\
&:= 7 + ((7 - 7/7) \times (7 \times 77 - (77/7))) \\
&:= (8/8 + 8 + 8 + 8) \times (8 \times (8 + 8) - 8/8) \\
&:= 99 + (((9 + 9) \times (9 \times (9 + 9) + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3176 &:= 11 + (((1 + 1) \times ((11 \times (1 + 11)^{1+1}) - 1)) - 1) \\
&:= 2 + ((2 + 2 + 2) \times ((22 + 2/2)^2)) \\
&:= 3 \times 3 + ((33 \times (3 \times 33 - 3)) - 3/3) \\
&:= 4 + ((44 \times ((4 \times 4 \times 4 + 4) + 4)) + 4) \\
&:= 55 + ((5/5 - 5) + 5^5) \\
&:= ((6 + 6)/6 + 6) \times (6 \times 66 + 6/6) \\
&:= 777 + (7 \times 7 \times 7 \times 7 - ((7 + 7)/7)) \\
&:= 8 + (8 \times ((88 \times (8 \times 8 + 8))/(8 + 8))) \\
&:= 99 + (((9 + 9) \times (9 \times (9 + 9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3177 &:= 11 + ((1 + 1) \times ((11 \times (1 + 11)^{1+1}) - 1)) \\
&:= (2/2 + 2) \times (((2 \times 22 + 2)^2 + 2)/2) \\
&:= 3 \times ((33 \times (33 - 3/3)) + 3) \\
&:= 4 + (((4/4 + 4)^{4+4/4}) + 44) + 4 \\
&:= 55 + (((5 + 5)/5 - 5) + 5^5) \\
&:= 6 + ((66 \times (6 \times 6 + 6 + 6)) + (6 \times 6/(6 + 6))) \\
&:= 777 + (7 \times 7 \times 7 \times 7 - 7/7) \\
&:= 8 + ((8 \times ((88 \times (8 \times 8 + 8))/(8 + 8))) + 8/8) \\
&:= 99 + ((9 + 9) \times (9 \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3178 &:= (11 \times (1 + ((1 + 1) \times (1 + 11)^{1+1}))) - 1 \\
&:= (2 \times (2 \times (22 - 2)^2) - 22 \\
&:= 3 \times 3 + ((33 \times (3 \times 33 - 3)) + 3/3) \\
&:= 4 + (((4^4 + 4)/4 + 4) \times ((4 + 4)/4 + 44)) \\
&:= 55 + (5^5 - ((5 + 5)/5)) \\
&:= ((66 - 6)/6) + (66 \times (6 \times 6 + 6 + 6)) \\
&:= 777 + 7 \times 7 \times 7 \times 7 \\
&:= (8 - 8/8) \times ((8 \times (8 \times 8 - 8) - ((8 + 8)/8)) + 8) \\
&:= 9/9 + (((9 + 9) \times (9 \times (9 + 9) + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3179 &:= 11 \times (1 + ((1 + 1) \times (1 + 11)^{1+1})) \\
&:= 22/2 \times ((2^{2+2} + 2/2)^2) \\
&:= 33/3 + (33 \times (3 \times 33 - 3)) \\
&:= 44/4 + (44 \times ((4 \times 4 \times 4 + 4) + 4)) \\
&:= 55 + (5^5 - 5/5) \\
&:= 66/6 + (66 \times (6 \times 6 + 6 + 6)) \\
&:= 7/7 + (7 \times 7 \times 7 \times 7 + 777) \\
&:= 88/8 \times ((8/8 + 8 + 8)^{(8+8)/8}) \\
&:= 99/9 \times (((9 - 9/9) + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3180 &:= 1 + (11 \times (1 + ((1 + 1) \times (1 + 11)^{1+1}))) \\
&:= 2 + ((2 \times (2 \times (22 - 2)^2) - 22) \\
&:= 3 + ((33 \times (3 \times 33 - 3)) + 3 \times 3) \\
&:= (44/4 + 4) \times (4^4 - 44) \\
&:= 55 + 5^5 \\
&:= 6 + ((66 \times (6 \times 6 + 6 + 6)) + 6) \\
&:= (7 + 7)/7 + (7 \times 7 \times 7 \times 7 + 777) \\
&:= 8 + (((88 \times (8 \times 8 + 8)) + 8)/((8 + 8)/8)) \\
&:= 999/9 + (((9 + 9) \times (9 \times (9 + 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3181 &:= 1 + (1 + (11 \times (1 + ((1 + 1) \times (1 + 11)^{1+1})))) \\
&:= 2 + (22/2 \times ((2^{2+2} + 2/2)^2)) \\
&:= 3 + (((33 \times (3 \times 33 - 3)) + 3 \times 3) + 3/3) \\
&:= 4/4 + ((44/4 + 4) \times (4^4 - 44)) \\
&:= 55 + (5^5 + 5/5) \\
&:= 6 + (((66 \times (6 \times 6 + 6 + 6)) + 6/6) + 6) \\
&:= ((7 - 7/7) \times (7 \times 77 - 7)) - 77/7 \\
&:= ((8 + 8) \times (8 \times (8 + 8 + 8) + 8)) - (88/8 + 8) \\
&:= ((9 \times 9 \times 9 - 9/9)/(9 + 9/9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3182 &:= 111 + (((1 + 1 + 1) \times (1 + 1)^{11-1}) - 1) \\
&:= (2 \times ((2 \times (22 - 2)^2) + 2)) - 22 \\
&:= 3 + ((33 \times (3 \times 33 - 3)) + 33/3) \\
&:= (44 - 4/4) \times (((4^4 - 4) + 44)/4) \\
&:= 55 + ((5 + 5)/5 + 5^5) \\
&:= 6 + (((6 + 6)/6 + 6) \times (6 \times 66 + 6/6)) \\
&:= 7 + (((7 - 7/7) \times (7 \times 77 - (77/7))) + 7) \\
&:= ((8 + 8)/8) \times ((888 - 8/8) + 8 \times 88) \\
&:= ((9 \times 9 \times 9 + 9/9)/(9 + 9/9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3183 &:= 111 + ((1 + 1 + 1) \times (1 + 1)^{11-1}) \\
&:= (2 \times (2 \times (2 \times ((22 - 2)^2 - 2)))) - 2/2 \\
&:= (3 \times (3^{3+3} + 333)) - 3 \\
&:= 444/4 + (4^4 \times ((4 + 4) + 4)) \\
&:= 5 + ((5^5 - ((5 + 5)/5)) + 55) \\
&:= ((6 + 6)/6)^6 + (((6 - 6/6)^{6-6/6}) - 6) \\
&:= 77 \times (7 \times 7 - 7) - ((7 + 7)/7 + 7 \times 7) \\
&:= 888/8 + (8 \times (8 \times (8 \times 8 - 8 - 8))) \\
&:= ((99 \times 99 - 9)/(9 + 9 + 9/9)) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3184 &:= 1 + (111 + ((1 + 1 + 1) \times (1 + 1)^{11-1})) \\
&:= 2 \times (2 \times (2 \times ((22 - 2)^2 - 2))) \\
&:= 3/3 + ((3 \times (3^{3+3} + 333)) - 3) \\
&:= 4 \times ((4 + 4) \times 44 + 444) \\
&:= 5 + ((55 - 5/5) + 5^5) \\
&:= ((6 + 6)/6 + 6) \times (((6 + 6)/6) + 6 \times 66) \\
&:= 77 \times (7 \times 7 - 7) - (7/7 + 7 \times 7) \\
&:= (8 + 8) \times (888/8 + 88) \\
&:= 999 + (9 \times 9 \times (9 + 9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3185 &:= (1 + 1 + 11) \times (1 + ((1 + 1) \times (1 + 11)^{1+1})) \\
&:= 2/2 + (2 \times (2 \times (2 \times ((22 - 2)^2 - 2)))) \\
&:= (3 \times (3^{3+3} + 333)) - 3/3 \\
&:= (4^4 + 4)/4 \times ((44 + 4/4) + 4) \\
&:= 5 + (55 + 5^5) \\
&:= 66 + (((6 - 6/6)^{6-6/6}) - 6) \\
&:= 7 \times (7 \times 77 - (77 + 7)) \\
&:= 8/8 + ((8 + 8) \times (888/8 + 88)) \\
&:= (((9 + 9)/9)^9) + 99 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3186 &:= (1 + 1) \times ((11 \times (1 + (1 + 11)^{1+1})) - (1 + 1)) \\
&:= 2 + (2 \times (2 \times (2 \times ((22 - 2)^2 - 2)))) \\
&:= 3 \times (3^{3+3} + 333) \\
&:= ((4 + 4)/4 + 4 \times 4) \times (4 \times 44 + 4/4) \\
&:= 5 + ((55 + 5^5) + 5/5) \\
&:= 6 + (((66 \times (6 \times 6 + 6 + 6)) + 6) + 6) \\
&:= 7/7 + (7 \times (7 \times 77 - (77 + 7))) \\
&:= (8 + 8)/8 + ((8 + 8) \times (888/8 + 88)) \\
&:= 999 + 9 \times 9 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3187 &:= ((1 + 1) \times ((11 \times (1 + (1 + 11)^{1+1})) - 1)) - 1 \\
&:= (2 \times (2 \times (22 - 2)^2) - (22/2 + 2)) \\
&:= 3/3 + (3 \times (3^{3+3} + 333)) \\
&:= 4 + ((4^4 \times ((4 + 4) + 4)) + 444/4) \\
&:= 5 + (((5 + 5)/5 + 55) + 5^5) \\
&:= 6 + (((66 \times (6 \times 6 + 6 + 6)) + 6/6) + 6) + 6) \\
&:= (7 + 7)/7 + (7 \times (7 \times 77 - (77 + 7))) \\
&:= 8 + (88/8 \times ((8/8 + 8 + 8)^{(8+8)/8})) \\
&:= 9/9 + (9 \times 9 \times (9 + 9 + 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3188 &:= (1 + 1) \times ((11 \times (1 + (1 + 11)^{1+1})) - 1) \\
&:= 2 \times ((2 \times (2 \times ((22 - 2)^2 - 2))) + 2) \\
&:= 3 + ((3 \times (3^{3+3} + 333)) - 3/3) \\
&:= 4 + (4 \times ((4 + 4) \times 44 + 444)) \\
&:= 5^5 + (5^5/5 + 5)/(5 + 5) \\
&:= 6 + (((6 + 6)/6 + 6) \times (6 \times 66 + 6/6)) + 6) \\
&:= 7 + (((7 - 7/7) \times (7 \times 77 - 7)) - (77/7)) \\
&:= 8 + (((88 \times (8 \times 8 + 8)) + 8)/((8 + 8)/8)) + 8) \\
&:= 9 + ((99/9) \times (((9 - 9/9) + 9)^{(9+9)/9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3189 &:= ((1 + 1) \times (11 \times (1 + (1 + 11)^{1+1}))) - 1 \\
&:= (2 \times (2 \times (22 - 2)^2) - 22/2) \\
&:= 3 + (3 \times (3^{3+3} + 333)) \\
&:= 4 \times 4 \times 4 + ((4/4 + 4)^{4/4+4}) \\
&:= 5 + (((55 - 5/5) + 5^5) + 5) \\
&:= ((6 + 6)/6)^6 + (((6 - 6/6)^{6-6/6}) \\
&:= 77/7 + (7 \times 7 \times 7 \times 7 + 777) \\
&:= ((8 + 8) \times (8 \times (8 + 8 + 8) + 8)) - 88/8 \\
&:= 999/9 + ((9 + 9) \times (9 \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3190 &:= (1 + 1) \times (11 \times (1 + (1 + 11)^{1+1})) \\
&:= 2 \times 22^2 + 2222 \\
&:= 3 + ((3 \times (3^{3+3} + 333)) + 3/3) \\
&:= (4^4 + 4)/4 + ((4/4 + 4)^{4+4/4}) \\
&:= 5 + (55 + 5^5 + 5) \\
&:= 66 + (((6 - 6/6)^{6-6/6}) - 6/6) \\
&:= ((7 - 7/7) \times (7 \times 77 - 7)) - (7 + 7)/7 \\
&:= (8 - 88)/8 + ((8 + 8) \times (8 \times (8 + 8 + 8) + 8)) \\
&:= (99/9 + 9 + 9) \times (99/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3191 &:= 1 + ((1 + 1) \times (11 \times (1 + (1 + 11)^{1+1}))) \\
&:= 2 + ((2 \times (2 \times (22 - 2)^2) - 22/2) \\
&:= 3 + (((3 \times (3^{3+3} + 333)) - 3/3) + 3) \\
&:= (4 + 4) \times (4^4 + 4) + 4444/4 \\
&:= 55 + (55/5 + 5^5) \\
&:= 66 + (((6 - 6/6)^{6-6/6}) \\
&:= ((7 - 7/7) \times (7 \times 77 - 7)) - 7/7 \\
&:= ((8 + 8) \times (8 \times (8 + 8 + 8) + 8)) - (8/8 + 8) \\
&:= ((9 - 9/9) \times ((99/9 + 9)^{(9+9)/9})) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3192 &:= (1 + 1) \times (1 + (11 \times (1 + (1 + 11)^{1+1}))) \\
&:= 2 \times (2 \times (2 \times (22 - 2)^2 - 2)) \\
&:= 3 + ((3 \times (3^{3+3} + 333)) + 3) \\
&:= (4 + 4) \times (4 \times 4^4 - (4/4 + 4)^4) \\
&:= 55 + (((55 + 5)/5) + 5^5) \\
&:= (6/6 + 6) \times ((6 \times 66 - 6) + 66) \\
&:= (7 - 7/7) \times (7 \times 77 - 7) \\
&:= (8 \times 8 - 8) \times ((8/8 - 8) + 8 \times 8) \\
&:= ((99 + 9)/9 + 9) \times (9 \times (9 + 9) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3193 &:= 1 + ((1+1) \times (1 + (11 \times (1 + (1+11)^{1+1})))) \\
&:= 2/2 + (2 \times (2 \times (2 \times (22-2)^2 - 2))) \\
&:= 3 + (((3 \times (3^{3+3} + 333)) + 3/3) + 3) \\
&:= 4 + (((4/4 + 4)^{4+4/4}) + 4 \times 4 \times 4) \\
&:= 5 + ((5^5/5 + 5)/(5+5) + 5^5) \\
&:= 6 \times 6 + (((66 \times (6 \times 6 + 6 + 6)) - (66/6)) \\
&:= 7/7 + ((7-7/7) \times (7 \times 77 - 7)) \\
&:= 8/8 + ((8 \times 8 - 8) \times ((8/8 - 8) + 8 \times 8)) \\
&:= 9 + ((9 \times 9 \times (9+9+9) - ((9+9)/9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3198 &:= (1+1) \times ((1+1+11) \times (1 + (1+11)^{1+1})) \\
&:= (2 \times (2 \times (22-2))^2) - 2 \\
&:= 3 + ((33 \times (3 \times 33 - 3)) + 3^3) \\
&:= (4 \times ((4 \times 4 + 4) \times (44 - 4))) - (4+4)/4 \\
&:= 5^5 + ((5 \times (5+5+5)) - ((5+5)/5)) \\
&:= 6 \times 6 + ((66 \times (6 \times 6 + 6 + 6)) - 6) \\
&:= (7-7/7) \times ((7 \times 77 - 7) + 7/7) \\
&:= ((8+8) \times (8 \times (8+8+8) + 8)) - (8+8)/8 \\
&:= 9 + (((9+9) \times (9 \times (9+9) + 9)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3203 &:= 1 + (1 + (11 \times (1 + ((1+1) \times (1 + (1+11)^{1+1})))))) \\
&:= 2 + ((2 \times (2 \times (22-2))^2) + 2/2) \\
&:= (3 \times 33 \times 33) - ((3/3 + 3)^3) \\
&:= 4 + ((4 \times ((4 \times 4 + 4) \times (44 - 4))) - 4/4) \\
&:= 5 \times 5 + ((5^5 - ((5+5)/5)) + 55) \\
&:= 6 + (((6-6/6)^{6-6/6}) + 66) + 6) \\
&:= 77/7 + ((7-7/7) \times (7 \times 77 - 7)) \\
&:= 88/8 + ((8 \times 8 - 8) \times ((8/8 - 8) + 8 \times 8)) \\
&:= 9 + ((99 \times (9+9+9) + ((9+9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3194 &:= (1+1) \times (1 + (1 + (11 \times (1 + (1+11)^{1+1})))) \\
&:= (2 \times ((2 \times (22-2))^2 - 2)) - 2 \\
&:= 3^3 + ((33 \times (3 \times 33 - 3)) - 3/3) \\
&:= 4 + (((4/4 + 4)^{4+4/4}) + (4^4 + 4)/4) \\
&:= 5 + (((55 - 5/5) + 5^5) + 5) + 5) \\
&:= 6 + (((((6+6)/6 + 6) \times (6 \times 66 + 6/6)) + 6) + 6) \\
&:= (7+7)/7 + ((7-7/7) \times (7 \times 77 - 7)) \\
&:= (8+8)/8 + ((8 \times 8 - 8) \times ((8/8 - 8) + 8 \times 8)) \\
&:= 9 + (99 \times (9+9+9) + ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3199 &:= ((1+1) \times (((1+1) \times ((1+1) \times (11-1)))^{1+1})) - 1 \\
&:= (2 \times (2 \times (22-2))^2) - 2/2 \\
&:= (((((3 \times (3+3)) + 3)^3) + 333) + 3)/3 \\
&:= (4 \times ((4 \times 4 + 4) \times (44 - 4))) - 4/4 \\
&:= 5^5 + ((5 \times (5+5+5)) - 5/5) \\
&:= 6 \times 6 + (((66 \times (6 \times 6 + 6 + 6)) - 6) + 6/6) \\
&:= 7 + ((7-7/7) \times (7 \times 77 - 7)) \\
&:= ((8+8) \times (8 \times (8+8+8) + 8)) - 8/8 \\
&:= 9 + ((99/9 + 9 + 9) \times (99/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3204 &:= (1+11) \times (1 + ((1+1) \times (1 + (11 \times (1+11)))))) \\
&:= 2 \times ((2 \times (22-2))^2 + 2) \\
&:= 3 + ((33 \times (3 \times 33 - 3)) + 33) \\
&:= 4 + (4 \times ((4 \times 4 + 4) \times (44 - 4))) \\
&:= 5 \times 5 + ((55 - 5/5) + 5^5) \\
&:= 6 \times ((66 \times ((6+6)/6 + 6)) + 6) \\
&:= (7-7/7) \times (((7+7)/7 - 7) + 7 \times 77) \\
&:= (8/8 + 8) \times ((8 \times 88 + 8)/(8+8)/8)) \\
&:= 9 \times (((9 \times 9 \times 9 \times 9 + 9)/9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3195 &:= 1 + ((1+1) \times (1 + (1 + (11 \times (1 + (1+11)^{1+1})))))) \\
&:= (2 \times ((2 \times (22-2))^2 - 2)) - 2/2 \\
&:= 3 \times ((3^{3+3} + 333) + 3) \\
&:= (4/4 + 4) \times ((4 \times (4 \times (44 - 4))) - 4/4) \\
&:= 5 + ((55 + 5^5 + 5) + 5) \\
&:= 6 + (((6-6/6)^{6-6/6}) + ((6+6)/6)^6) \\
&:= 77 + (((7 - ((7+7)/7))^{7-(7+7)/7}) - 7) \\
&:= 88/8 + ((8+8) \times (888/8 + 88)) \\
&:= 9 + (9 \times 9 \times (9+9+9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3200 &:= (1+1) \times (((1+1) \times ((1+1) \times (11-1)))^{1+1}) \\
&:= 2 \times (2 \times (22-2))^2 \\
&:= (33 - 3/3) \times (3 \times 33 + 3/3) \\
&:= 4 \times ((4 \times 4 + 4) \times (44 - 4)) \\
&:= 5^5 + (5 \times (5+5+5)) \\
&:= (6-6/6) \times (((66-6)/6) \times ((6+6)/6)^6) \\
&:= ((7+7)/7)^7 \times (77/7 + 7 + 7) \\
&:= (8+8) \times (8 \times (8+8+8) + 8) \\
&:= (9-9/9) \times ((99/9 + 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3205 &:= 1 + ((1+11) \times (1 + ((1+1) \times (1 + (11 \times (1+11)))))) \\
&:= 2/2 + (2 \times ((2 \times (22-2))^2 + 2)) \\
&:= ((3/3 + 3)^{3+3}) - (33 \times 3^3) \\
&:= (4/4 + 4) \times ((4/4 + 4)^4 + 4 \times 4) \\
&:= 5 \times 5 + (55 + 5^5) \\
&:= 6 \times 6 + ((66 \times (6 \times 6 + 6 + 6)) + 6/6) \\
&:= 7 + ((7-7/7) \times ((7 \times 77 - 7) + 7/7)) \\
&:= 8 + (8 \times 8 \times 8 \times 8 - (888 + 88/8)) \\
&:= ((9-9/9) \times ((9+9)/9)^9) - 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3196 &:= (1+1) \times (1 + (1 + (1 + (11 \times (1 + (1+11)^{1+1})))))) \\
&:= 2 \times ((2 \times (22-2))^2 - 2) \\
&:= 3^3 + ((33 \times (3 \times 33 - 3)) + 3/3) \\
&:= (4 \times ((4 \times 4 + 4) \times (44 - 4))) - 4 \\
&:= 5 + ((55/5 + 55) + 5^5) \\
&:= (66/6 + 6 \times 6) \times (((6+6)/6) + 66) \\
&:= 77/7 + (7 \times (7 \times 77 - (77 + 7))) \\
&:= ((8 \times (888 - 88)) - 8)/(8+8)/8) \\
&:= 9 + ((9 \times 9 \times (9+9+9) + 999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3201 &:= 11 \times (1 + ((1+1) \times (1 + (1+11)^{1+1}))) \\
&:= 2/2 + (2 \times (2 \times (22-2))^2) \\
&:= 33 + (33 \times (3 \times 33 - 3)) \\
&:= 4/4 + (4 \times ((4 \times 4 + 4) \times (44 - 4))) \\
&:= 5^5 + ((5 \times (5+5+5)) + 5/5) \\
&:= 66/6 \times ((6 \times 66 - 666/6) + 6) \\
&:= (77 \times (7 \times 7 + 7)) - 7777/7 \\
&:= 8/8 + ((8+8) \times (8 \times (8+8+8) + 8)) \\
&:= 99/9 \times ((999/9 + 99) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3206 &:= ((1+1+1) \times (1111 - (1+1))) - 11^{1+1} \\
&:= 2 + (2 \times ((2 \times (22-2))^2 + 2)) \\
&:= 3 + ((3 \times 33 \times 33) - ((3/3 + 3)^3)) \\
&:= (4 - 4/4)^4 + ((4/4 + 4)^{4+4/4}) \\
&:= 5 \times 5 + ((55 + 5^5) + 5/5) \\
&:= 6 \times 6 + ((66 \times (6 \times 6 + 6 + 6)) + ((6+6)/6)) \\
&:= 7 + (((7-7/7) \times (7 \times 77 - 7)) + 7) \\
&:= 8 \times 8 \times 8 \times 8 - (888 + (8+8)/8) \\
&:= 9 + ((9 \times 9 \times (9+9+9) + (99/9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3197 &:= (11-1)^{1+1+1} + ((1+1+11)^{1+1+1}) \\
&:= 2/2 + (2 \times ((2 \times (22-2))^2 - 2)) \\
&:= 33/3 + (3 \times (3^{3+3} + 333)) \\
&:= 4/4 + ((4 \times ((4 \times 4 + 4) \times (44 - 4))) - 4) \\
&:= 5 + (((55 + 5)/5) + 5^5) + 55) \\
&:= 6 + (((6-6/6)^{6-6/6}) + 66) \\
&:= 7 + (((7-7/7) \times (7 \times 77 - 7)) - ((7+7)/7)) \\
&:= 8 \times 8 \times 8 \times 8 - (888 + 88/8) \\
&:= 99/9 + (9 \times 9 \times (9+9+9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3202 &:= 1 + (11 \times (1 + ((1+1) \times (1 + (1+11)^{1+1})))) \\
&:= 2 + (2 \times (2 \times (22-2))^2) \\
&:= 3/3 + ((33 \times (3 \times 33 - 3)) + 33) \\
&:= (4+4)/4 + (4 \times ((4 \times 4 + 4) \times (44 - 4))) \\
&:= 55 + ((55 + 55)/5 + 5^5) \\
&:= 6 + ((66/6 + 6 \times 6) \times (((6+6)/6) + 66)) \\
&:= 77 + (((7 - ((7+7)/7))^{7-(7+7)/7}) - 7) \\
&:= (8+8)/8 + ((8+8) \times (8 \times (8+8+8) + 8)) \\
&:= ((99/9 + 9) \times (9 \times (9+9) - 9/9)) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3207 &:= ((1+1) \times (111 + (1+1)^{11})) - 1111 \\
&:= 2 + ((2 \times ((2 \times (22-2))^2 + 2)) + 2/2) \\
&:= 3333 - (3 \times 33 + 3^3) \\
&:= (4 - 4/4) \times ((4 \times 4^4 + 4/4) + 44) \\
&:= 5 \times 5 + (((5+5)/5 + 55) + 5^5) \\
&:= 666/6 + ((6+6) \times (6 \times (6 \times 6 + 6) + 6)) \\
&:= 7 + (((7+7)/7)^7 \times (77/7 + 7 + 7)) \\
&:= 8 \times 8 \times 8 \times 8 - (888 + 8/8) \\
&:= 99 + (999/9 \times ((9/9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3208 &:= (111 \times (((11-1) \times (1+1+1)) - 1)) - 11 \\
&:= 2 \times (((2 \times (22-2))^2 + 2) + 2) \\
&:= 3333 - ((3-3/3+3)^3) \\
&:= 4 + ((4 \times ((4 \times 4 + 4) \times (44-4))) + 4) \\
&:= 5 + (((5^5 - ((5+5)/5)) + 55) + 5 \times 5) \\
&:= ((6+6)/6+6) \times ((6 \times 66 - 6/6) + 6) \\
&:= 7 + ((77 \times (7 \times 7 + 7)) - 7777/7) \\
&:= 8 \times 8 \times 8 \times 8 - 888 \\
&:= (9-9/9) \times (((9+9)/9)^9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3209 &:= (1+1+1) \times (1111-1) - 11^{1+1} \\
&:= 2/2 + (2 \times (((2 \times (22-2))^2 + 2) + 2)) \\
&:= 3 + (((3 \times 33 \times 33) - ((3/3+3)^3)) + 3) \\
&:= 4 + ((4/4+4) \times ((4/4+4)^4 + 4 \times 4)) \\
&:= 5 + (((55-5/5) + 5^5) + 5 \times 5) \\
&:= 6 + (((((6-6/6)^{6-6/6}) + 66) + 6) + 6) \\
&:= 77 \times (7 \times 7 - 7) - (77/7 + 7 + 7) \\
&:= 8/8 + (8 \times 8 \times 8 \times 8 - 888) \\
&:= 9 + ((9-9/9) \times ((99/9+9)^{(9+9)/9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3210 &:= (1+1) \times ((11 \times (1+(1+(1+11)^{1+1}))) - 1) \\
&:= 2 + (2 \times (((2 \times (22-2))^2 + 2) + 2)) \\
&:= (3+3)^3 + (3 \times 3 \times 333 - 3) \\
&:= (44-4)/4 \times ((4^4+4)/4 + 4^4) \\
&:= 5 + ((55+5^5) + 5 \times 5) \\
&:= 6 + ((66 \times (6 \times 6 + 6 + 6)) + 6 \times 6) \\
&:= (7-7/7) \times ((7 \times 77 - (77/7)) + 7) \\
&:= (8+8)/8 + (8 \times 8 \times 8 \times 8 - 888) \\
&:= (999/9 \times (99/9 + 9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3211 &:= (((1+1) \times (11-1)) - 1) \times (1+1+11)^{1+1} \\
&:= 22/2 + (2 \times (2 \times (22-2))^2) \\
&:= 3 + (3333 - ((3-3/3+3)^3)) \\
&:= 44/4 + (4 \times ((4 \times 4 + 4) \times (44-4))) \\
&:= 5^5 + (555/5 - 5 \times 5) \\
&:= 6 + (((66 \times (6 \times 6 + 6 + 6)) + 6 \times 6) + 6/6) \\
&:= 7 + ((7-7/7) \times (((7+7)/7-7) + 7 \times 77)) \\
&:= 88/8 + ((8+8) \times (8 \times (8+8+8) + 8)) \\
&:= ((99/9+9) \times (9 \times (9+9) - 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3212 &:= (1+1) \times (11 \times (1+(1+(1+11)^{1+1}))) \\
&:= 22 \times (((2 \times (2+2+2))^2) + 2) \\
&:= (3+3)^3 + (3 \times 3 \times 333 - 3/3) \\
&:= 44 \times (((4^4+4)/4+4) + 4) \\
&:= 55 + (((5+5)/5)^5 + 5^5) \\
&:= 6 \times 6 + (((6+6)/6+6) \times (6 \times 66 + 6/6)) \\
&:= 77 + (((7 \times 7 + 7)^{(7+7)/7}) - 7/7) \\
&:= (88/((8+8)/8)) \times ((8/8+8 \times 8) + 8) \\
&:= (((9+9)/9)^9) + ((9+9+9) \times (9/9+99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3213 &:= 1 + ((1+1) \times (11 \times (1+(1+(1+11)^{1+1})))) \\
&:= 2 + ((2 \times (2 \times (22-2))^2) + 22/2) \\
&:= 3 \times (3 \times ((333-3) + 3^3)) \\
&:= 44 + (((4/4+4)^{4+4/4}) + 44) \\
&:= 5 \times 5 + ((5^5/5+5)/(5+5) + 5^5) \\
&:= (666/6 \times (6 \times 6 - (6/6+6))) - 6 \\
&:= 77 + ((7 \times 7 + 7)^{(7+7)/7}) \\
&:= (8-8/8) \times (8 \times (8 \times 8 - 8) + (88/8)) \\
&:= (9+9+9) \times ((99/9+99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3214 &:= (1+1) \times (1+(11 \times (1+(1+(1+11)^{1+1})))) \\
&:= 2 + (22 \times (((2 \times (2+2+2))^2) + 2)) \\
&:= 3/3 + (3 \times 3 \times 333 + (3+3)^3) \\
&:= 4 + ((44-4)/4 \times ((4^4+4)/4 + 4^4)) \\
&:= 5^5 + (5 \times (5 \times 5 - 5) - (55/5)) \\
&:= 6 + (((6+6)/6+6) \times ((6 \times 66 - 6/6) + 6)) \\
&:= 7/7 + (((7 \times 7 + 7)^{(7+7)/7}) + 77) \\
&:= 8 + (8 \times 8 \times 8 \times 8 - (888 + ((8+8)/8))) \\
&:= 9 + (((9-9/9) \times ((9+9)/9)^9) - 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3215 &:= ((1+1+1) \times (1+1111)) - 11^{1+1} \\
&:= 22/2 + (2 \times ((2 \times (22-2))^2 + 2)) \\
&:= 3 + ((3 \times 3 \times 333 - 3/3) + (3+3)^3) \\
&:= ((4+4)^4) - ((4/4+4)^4 + 4^4) \\
&:= 5 + (((55+5^5) + 5 \times 5) + 5) \\
&:= (((6+6)/6+6) \times (6 \times 66 + 6)) - 6/6 \\
&:= ((7+7)/7)^7 + 7 \times 7 \times (7 \times 7 + 7 + 7) \\
&:= 8 + (8 \times 8 \times 8 \times 8 - (888 + 8/8)) \\
&:= 99 + ((9/9+9+9) \times (((9+9)/9) + 9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3216 &:= (1+1) \times ((1+11) \times (1+(1+(11 \times (1+11)))))) \\
&:= 2 \times (2 \times (2 \times ((22-2)^2 + 2))) \\
&:= 3 + (3 \times 3 \times 333 + (3+3)^3) \\
&:= 4 \times (((4 \times 4 + 4) \times (44-4)) + 4) \\
&:= 5 + ((555/5 - 5 \times 5) + 5^5) \\
&:= ((6+6)/6+6) \times (6 \times 66 + 6) \\
&:= 77 \times (7 \times 7 - 7) - (77/7 + 7) \\
&:= 8 + (8 \times 8 \times 8 \times 8 - 888) \\
&:= 9 + ((999/9 \times ((9/9+9+9) + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3217 &:= (111 \times (((11-1) \times (1+1+1)) - 1)) - 1 - 1 \\
&:= 2/2 + (2 \times (2 \times (2 \times ((22-2)^2 + 2)))) \\
&:= 3 + ((3 \times 3 \times 333 + (3+3)^3) + 3/3) \\
&:= 4/4 + (4 \times (((4 \times 4 + 4) \times (44-4)) + 4)) \\
&:= 5 + (((5+5)/5)^5 + 5^5) + 55 \\
&:= 6/6 + (((6+6)/6+6) \times (6 \times 66 + 6)) \\
&:= ((7-77)/7) + (77 \times (7 \times 7 - 7) - 7) \\
&:= 8 + ((8 \times 8 \times 8 \times 8 - 888) + 8/8) \\
&:= 9 \times 9 + (((999+9)/(9+9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3218 &:= (111 \times (((11-1) \times (1+1+1)) - 1)) - 1 \\
&:= 2 + (2 \times (2 \times (2 \times ((22-2)^2 + 2)))) \\
&:= 3333 - (((333+3)/3) + 3) \\
&:= 444 + (((44 \times (4^4-4) + 4) + 4)/4) \\
&:= 5^5 + (5 \times 5 \times 5 - ((5+5)/5)^5) \\
&:= (6+6)/6 + (((6+6)/6+6) \times (6 \times 66 + 6)) \\
&:= 77 \times (7 \times 7 - 7) - (((7+7)/7+7) + 7) \\
&:= 8 + ((8 \times 8 \times 8 \times 8 - 888) + ((8+8)/8)) \\
&:= ((9+9)/9) \times ((9 \times (99+9 \times 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3219 &:= 111 \times (((11-1) \times (1+1+1)) - 1) \\
&:= 2 + ((2 \times (2 \times (2 \times ((22-2)^2 + 2)))) + 2/2) \\
&:= 33 + (3 \times (3^{3+3} + 333)) \\
&:= 4 + (((4+4)^4) - ((4/4+4)^4 + 4^4)) \\
&:= 5^5 + (5 \times (5 \times 5 - 5) - (5/5+5)) \\
&:= 666/6 \times (6 \times 6 - (6/6+6)) \\
&:= 77 \times (7 \times 7 - 7) - (7/7 + 7 + 7) \\
&:= 88/8 + (8 \times 8 \times 8 \times 8 - 888) \\
&:= 999/9 \times (99/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3220 &:= 1 + (111 \times (((11-1) \times (1+1+1)) - 1)) \\
&:= 2 \times ((2 \times (2 \times ((22-2)^2 + 2))) + 2) \\
&:= 3333 + (((3-333)/3) - 3) \\
&:= 4 + (4 \times (((4 \times 4 + 4) \times (44-4)) + 4)) \\
&:= 5^5 + (5 \times (5 \times 5 - 5) - 5) \\
&:= (6/6+6) \times (((6+6)/6)^6 + 6 \times 66) \\
&:= 77 \times (7 \times 7 - 7) - (7+7) \\
&:= 8 + ((88/((8+8)/8)) \times ((8/8+8 \times 8) + 8)) \\
&:= (99/9+9) \times (9 \times (9+9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3221 &:= ((1+1+1) \times 1111) - (1+111) \\
&:= 22 + ((2 \times (2 \times (22-2))^2) - 2/2) \\
&:= 3333 - ((333+3)/3) \\
&:= ((44-4)/4) \times (((44+4^4)/4) - 4) \\
&:= 5^5 + ((5 \times (5 \times 5 - 5) - 5) + 5/5) \\
&:= 6 + (((6+6)/6+6) \times (6 \times 66 + 6)) - 6/6 \\
&:= 7/7 + (77 \times (7 \times 7 - 7) - (7+7)) \\
&:= 8 + ((8-8/8) \times (8 \times (8 \times 8 - 8) + (88/8))) \\
&:= ((9+9) \times (99+9 \times 9)) - (9/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3222 &:= ((1+1+1) \times 1111) - 111 \\
&:= 22 + (2 \times (2 \times (22-2))^2) \\
&:= 3333 - 333/3 \\
&:= 44 \times (44+4) + (4444-4)/4 \\
&:= 5 + (((5+5)/5)^5 + 5^5) + 55 + 5 \\
&:= 6 + (((6+6)/6+6) \times (6 \times 66 + 6)) \\
&:= (7-7/7) \times (7 \times 77 - ((7+7)/7)) \\
&:= 88 + (((8 \times 8 - 8)^{(8+8)/8}) - ((8+8)/8)) \\
&:= (9+9) \times ((9 \times 9 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3223 &:= 1 + (((1+1+1) \times 1111) - 111) \\
&:= 22 + ((2 \times (2 \times (22-2))^2) + 2/2) \\
&:= 3333 + ((3-333)/3) \\
&:= 44 \times (44+4) + 4444/4 \\
&:= 5^5 + (5 \times (5 \times 5 - 5) - ((5+5)/5)) \\
&:= 6 + (((6+6)/6+6) \times (6 \times 66+6)) + 6/6) \\
&:= 77 \times (7 \times 7 - 7) - 77/7 \\
&:= 88 + (((8 \times 8 - 8)^{(8+8)/8}) - 8/8) \\
&:= 9/9 + ((9+9) \times (9 \times 9 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3224 &:= 1 + (1 + (((1+1+1) \times 1111) - 111)) \\
&:= 2 + ((2 \times (2 \times (22-2))^2) + 22) \\
&:= 3 + (3333 - ((333+3)/3)) \\
&:= ((4-4^4) + 4) \times (4 - (4 \times 4 + 4/4)) \\
&:= 5^5 + (5 \times (5 \times 5 - 5) - 5/5) \\
&:= ((6+6)/6+6) \times ((6 \times 66+6/6) + 6) \\
&:= ((7-77)/7) + 77 \times (7 \times 7 - 7) \\
&:= 88 + ((8 \times 8 - 8)^{(8+8)/8}) \\
&:= (9+9)/9 + ((9+9) \times (9 \times 9 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3225 &:= ((1+1+1) \times (1+1111)) - 111 \\
&:= 2 + (((2 \times (2 \times (22-2))^2) + 2/2) + 22) \\
&:= 3333 - (3 \times (33+3)) \\
&:= (44 - 4/4) \times ((44+4^4)/4) \\
&:= 5^5 + 5 \times (5 \times 5 - 5) \\
&:= 6 + (666/6 \times (6 \times 6 - (6/6+6))) \\
&:= 77 \times (7 \times 7 - 7) - ((7+7)/7+7) \\
&:= 8/8 + (((8 \times 8 - 8)^{(8+8)/8}) + 88) \\
&:= (9999/(9+9+9)/9) - (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3226 &:= 1 + (((1+1+1) \times (1+1111)) - 111) \\
&:= 22 + (2 \times ((2 \times (22-2))^2 + 2)) \\
&:= 3 + (((3-333)/3) + 3333) \\
&:= 4/4 + ((44-4/4) \times ((44+4^4)/4)) \\
&:= 5^5 + (5 \times (5 \times 5 - 5) + 5/5) \\
&:= 6 + ((6/6+6) \times (((6+6)/6)^6 + 6 \times 66)) \\
&:= 77 \times (7 \times 7 - 7) - (7/7+7) \\
&:= 88 + (((8 \times 8 - 8)^{(8+8)/8}) + ((8+8)/8)) \\
&:= 9 + (((999+9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3227 &:= 1 + (1 + (((1+1+1) \times (1+1111)) - 111)) \\
&:= (2222/2) + (2 \times 22 + 2)^2 \\
&:= 3 + ((3333 - ((333+3)/3)) + 3) \\
&:= ((4-4/4)^4 \times (44-4/4)) - 4^4 \\
&:= 5^5 + (5 \times (5 \times 5 - 5) + ((5+5)/5)) \\
&:= 6 \times 6 + (((6-6/6)^{6-6/6}) + 66) \\
&:= 77 \times (7 \times 7 - 7) - 7 \\
&:= 8 + ((8 \times 8 \times 8 - 888) + (88/8)) \\
&:= (9+9) \times (99+9 \times 9) - (99+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3228 &:= ((1+1+1) \times (1 + (1+1111))) - 111 \\
&:= 2 + ((2 \times ((2 \times (22-2))^2 + 2)) + 22) \\
&:= 3 + (3333 - (3 \times (33+3))) \\
&:= ((4+4) \times ((444-44) + 4)) - 4 \\
&:= 5 + 5 \times (5 \times 5 - 5) - (5+5)/5 + 5^5 \\
&:= 66 + ((66 \times (6 \times 6 + 6 + 6)) - 6) \\
&:= 7/7 + (77 \times (7 \times 7 - 7) - 7) \\
&:= 8 \times 8 + (((88 \times (8 \times 8 + 8)) - 8)/(8+8)/8) \\
&:= 9 + (999/9 \times (99/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3229 &:= 1 + (((1+1+1) \times (1 + (1+1111))) - 111) \\
&:= 2 + ((2222/2) + (2 \times 22 + 2)^2) \\
&:= (3 \times 33 \times 33) - (33/3 + 3^3) \\
&:= 4 + ((44 - 4/4) \times ((44+4^4)/4)) \\
&:= 5^5 + (5^5 - 5)/(5 \times 5 + 5) \\
&:= (6 \times ((6+6+6) \times (6 \times 6 - 6))) - 66/6 \\
&:= (7+7)/7 + (77 \times (7 \times 7 - 7) - 7) \\
&:= 8 + (((8-8/8) \times (8 \times (8 \times 8 - 8) + (88/8))) + 8) \\
&:= ((9+9) \times (99+9 \times 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3230 &:= 11 + (111 \times (((11-1) \times (1+1+1)) - 1)) \\
&:= 22 + (2 \times (((2 \times (22-2))^2 + 2) + 2)) \\
&:= 3333 - ((3 \times 33 + 3/3) + 3) \\
&:= 4 \times (4^4 - 4) + 4 \times 4444/(4+4) \\
&:= 5 + (5 \times (5 \times 5 - 5) + 5^5) \\
&:= 6 + (((6+6)/6+6) \times ((6 \times 66+6/6) + 6)) \\
&:= 7 + (77 \times (7 \times 7 - 7) - (77/7)) \\
&:= (8/8+8+8) \times (8 \times (8+8+8) - ((8+8)/8)) \\
&:= (9/9+9) \times ((9+9) \times (9+9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3231 &:= 1 + (11 + (111 \times (((11-1) \times (1+1+1)) - 1))) \\
&:= (2 \times 22)^2 + ((2+2+2)^{2+2} - 2/2) \\
&:= 3 \times (33 \times 33 - (3 \times 3 + 3)) \\
&:= 444/4 + (((4+4) + 4) \times (4^4 + 4)) \\
&:= 5^5 + (555/5 - 5) \\
&:= (6 \times (666 - 6)) - ((6 \times 6/(6+6))^6) \\
&:= 77 \times (7 \times 7 - 7) - (7+7+7)/7 \\
&:= 8 + (((8 \times 8 - 8)^{(8+8)/8}) - 8/8) + 88) \\
&:= ((9+9) \times (99+9 \times 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3232 &:= (1+1) \times (((1+11) \times (1+111)) - (1+111)) \\
&:= 2 \times ((2 \times (22-2))^2 + 2^{2+2}) \\
&:= 3/3 + (3 \times (33 \times 33 - (3 \times 3 + 3))) \\
&:= (4+4) \times ((444-44) + 4) \\
&:= 5^5 + ((555+5)/5 - 5) \\
&:= ((6+6)/6)^6 + (66 \times (6 \times 6 + 6 + 6)) \\
&:= 77 \times (7 \times 7 - 7) - (7+7)/7 \\
&:= 8 + (((8 \times 8 - 8)^{(8+8)/8}) + 88) \\
&:= 9/9 + (((9+9) \times (99+9 \times 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3233 &:= 11 + (((1+1+1) \times 1111) - 111) \\
&:= 22 + ((2 \times (2 \times (22-2))^2) + 22/2) \\
&:= 3333 - (3 \times 33 + 3/3) \\
&:= 4/4 + ((4+4) \times ((444-44) + 4)) \\
&:= 55 + ((5^5 - ((5+5)/5)) + 55) \\
&:= 66 + ((66 \times (6 \times 6 + 6 + 6)) - 6/6) \\
&:= 77 \times (7 \times 7 - 7) - 7/7 \\
&:= (((8/8 - 8) + 8 \times 8)^{(8+8)/8}) - 8 - 8 \\
&:= (9+9)/9 + (((9+9) \times (99+9 \times 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3234 &:= (1+1) \times (((1+11) \times (1+111)) - 111) \\
&:= 22 \times (((22/2+2)^2) - 22) \\
&:= 33 \times (3 \times 33 - 3/3) \\
&:= (44 - (4+4)/4) \times ((4-4/4)^4 - 4) \\
&:= 55 + ((55 - 5/5) + 5^5) \\
&:= 66 + (66 \times (6 \times 6 + 6 + 6)) \\
&:= 77 \times (7 \times 7 - 7) \\
&:= (8-8/8) \times ((8-8/8) \times ((8+8)/8) + 8 \times 8) \\
&:= (99-9/9) \times (99/(9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3235 &:= 1 + ((1+1) \times (((1+11) \times (1+111)) - 111)) \\
&:= 2/2 + (22 \times (((22/2+2)^2) - 22)) \\
&:= 3/3 + (33 \times (3 \times 33 - 3/3)) \\
&:= ((44-4) \times (4-4/4)^4) - (4/4+4) \\
&:= 55 + (55+5^5) \\
&:= 66 + ((66 \times (6 \times 6 + 6 + 6)) + 6/6) \\
&:= 7/7 + 77 \times (7 \times 7 - 7) \\
&:= 88 + (((8 \times 8 - 8)^{(8+8)/8}) + (88/8)) \\
&:= 99 + (((999+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3236 &:= (1+1) \times (1 + (((1+11) \times (1+111)) - 111)) \\
&:= 2 + (22 \times (((22/2+2)^2) - 22)) \\
&:= 3 + (3333 - (3 \times 33 + 3/3)) \\
&:= ((44-4) \times (4-4/4)^4) - 4 \\
&:= 5^5 + 555/5 \\
&:= 666/6 + ((6-6/6)^{6-6/6}) \\
&:= (7+7)/7 + 77 \times (7 \times 7 - 7) \\
&:= 8 \times 8 + (((88 \times (8 \times 8 + 8)) + 8)/(8+8)/8) \\
&:= ((9+9)/9) \times ((9 \times (99+9 \times 9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3237 &:= ((1+(1+111)/(1+1)) \times (1+11)) - 1 - 11 \\
&:= (2/2+2) \times (222/2+2 \times 22^2) \\
&:= 3 + (33 \times (3 \times 33 - 3/3)) \\
&:= 4/4 + (((44-4) \times (4-4/4)^4) - 4) \\
&:= 5^5 + (555+5)/5 \\
&:= ((6 \times (6 \times 6 \times (6 \times 6 - 6))) - 6)/(6+6)/6) \\
&:= (7+7+7)/7 + 77 \times (7 \times 7 - 7) \\
&:= 888 + ((88-8/8) \times (88/8+8+8)) \\
&:= ((9+9) \times (99+9 \times 9)) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3238 &:= ((1 + (1 + 111)/(1 + 1))^{1+1}) - 11 \\
&:= 22 + (2 \times (2 \times (2 \times ((22 - 2)^2 + 2)))) \\
&:= 3 + ((33 \times (3 \times 33 - 3/3)) + 3/3) \\
&:= ((44 - 4) \times (4 - 4/4)^4) - (4 + 4)/4 \\
&:= 5^5 + (555 + 5 + 5)/5 \\
&:= (6 \times ((6 + 6 + 6) \times (6 \times 6 - 6))) - (6 + 6)/6 \\
&:= 77/7 + (77 \times (7 \times 7 - 7) - 7) \\
&:= (((8/8 - 8) + 8 \times 8)^{(8+8)/8}) - 88/8 \\
&:= ((9 + 9) \times (99 + 9 \times 9)) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3239 &:= 1 + (((1 + (1 + 111)/(1 + 1))^{1+1}) - 11) \\
&:= (((22 - 2) \times ((2^{2+2} + 2)^2)) - 2)/2 \\
&:= (3 \times 33 \times 33) - (3^3 + 3/3) \\
&:= ((44 - 4) \times (4 - 4/4)^4) - 4/4 \\
&:= 5^5 + (5 \times 5 \times 5 - (55/5)) \\
&:= (6 \times ((6 + 6 + 6) \times (6 \times 6 - 6))) - 6/6 \\
&:= 7 + (77 \times (7 \times 7 - 7) - ((7 + 7)/7)) \\
&:= 888/8 + (((8 \times 8 - 8)^{(8+8)/8}) - 8) \\
&:= ((9 + 9) \times (99 + 9 \times 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3240 &:= (11 - 1) \times ((1 + 1) \times (11 - 1 - 1))^{1+1} \\
&:= 2 \times (((2 \times (22 - 2))^2 - 2) + 22) \\
&:= 3 \times (3 \times (333 + 3^3)) \\
&:= (44 - 4) \times (4 - 4/4)^4 \\
&:= 5 + ((55 + 55) + 5^5) \\
&:= 6 \times ((6 + 6 + 6) \times (6 \times 6 - 6)) \\
&:= 7 + (77 \times (7 \times 7 - 7) - 7/7) \\
&:= (8 + 8 + 8) \times ((8 \times (8 + 8) - 8/8) + 8) \\
&:= (9 + 9) \times (99 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3241 &:= (11 - 1) \times ((1 + 1) \times (11 - 1 - 1))^{1+1} + 1 \\
&:= (((22 - 2) \times ((2^{2+2} + 2)^2)) + 2)/2 \\
&:= 3/3 + (3 \times (3 \times (333 + 3^3))) \\
&:= 4/4 + ((44 - 4) \times (4 - 4/4)^4) \\
&:= 5 + (555/5 + 5^5) \\
&:= 6/6 + (6 \times ((6 + 6 + 6) \times (6 \times 6 - 6))) \\
&:= 7 + 77 \times (7 \times 7 - 7) \\
&:= (((8/8 - 8) + 8 \times 8)^{(8+8)/8}) - 8 \\
&:= 9/9 + ((9 + 9) \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3242 &:= (11 - 1) \times ((1 + 1) \times (11 - 1 - 1))^{1+1} + 1 + 1 \\
&:= (2 \times ((2 \times (22 - 2))^2 + 22)) - 2 \\
&:= 3 + ((3 \times 33 \times 33) - (3^3 + 3/3)) \\
&:= (4 + 4)/4 + ((44 - 4) \times (4 - 4/4)^4) \\
&:= 5 + ((555 + 5)/5 + 5^5) \\
&:= (6 + 6)/6 + (6 \times ((6 + 6 + 6) \times (6 \times 6 - 6))) \\
&:= 7 + (77 \times (7 \times 7 - 7) + 7/7) \\
&:= 8/8 + (((8/8 - 8) + 8 \times 8)^{(8+8)/8}) - 8 \\
&:= (9 + 9)/9 + ((9 + 9) \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3243 &:= (1 + 1 + 1) \times (1 + ((11 - 1) \times (111 - 1 - 1 - 1))) \\
&:= (2 \times ((2 \times (22 - 2))^2 + 22)) - 2/2 \\
&:= 3 + (3 \times (3 \times (333 + 3^3))) \\
&:= 4 + (((44 - 4) \times (4 - 4/4)^4) - 4/4) \\
&:= 5 + ((555 + 5 + 5)/5 + 5^5) \\
&:= ((6 \times (6 \times 6 \times (6 \times 6 - 6))) + 6)/((6 + 6)/6) \\
&:= 7 + (77 \times (7 \times 7 - 7) + ((7 + 7)/7)) \\
&:= 8 + (((8 \times 8 - 8)^{(8+8)/8}) + (88/8)) + 88 \\
&:= ((9 + 9 + 9)/9) + ((9 + 9) \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3244 &:= (1 + 1)^{11-1} + ((1 + 1) \times (1111 - 1)) \\
&:= 2 \times ((2 \times (22 - 2))^2 + 22) \\
&:= 3 + ((3 \times (3 \times (333 + 3^3))) + 3/3) \\
&:= 4 + ((44 - 4) \times (4 - 4/4)^4) \\
&:= 5^5 + (5 \times 5 \times 5 - (5/5 + 5)) \\
&:= 66 \times 66 - (6666 + 6)/6 \\
&:= ((77 - 7)/7) + 77 \times (7 \times 7 - 7) \\
&:= ((8 \times (888 - 88)) + 88)/((8 + 8)/8) \\
&:= ((9 + 9)/9) \times ((9 \times (99 + 9 \times 9)) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3245 &:= 11 \times ((11 \times (1 + 1 + 1))^{1+1+1}) - (1 + 1) \\
&:= 2/2 + (2 \times ((2 \times (22 - 2))^2 + 22)) \\
&:= 33/3 + (33 \times (3 \times 33 - 3/3)) \\
&:= 4 + (((44 - 4) \times (4 - 4/4)^4) + 4/4) \\
&:= 5^5 + (5 \times 5 \times 5 - 5) \\
&:= 66 \times 66 - (6666/6) \\
&:= 77/7 + 77 \times (7 \times 7 - 7) \\
&:= 8888 - (8 \times 8 \times 88 + (88/8)) \\
&:= 99/9 \times ((99 \times (9 + 9 + 9) - (9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3246 &:= (1 + 1)^{11-1} + ((1 + 1) \times 1111) \\
&:= 2 + (2 \times ((2 \times (22 - 2))^2 + 22)) \\
&:= (3 \times (33 \times 33 - (3 + 3))) - 3 \\
&:= 4 \times 4^4 + 4 \times 4444/(4 + 4) \\
&:= 5 + ((555/5 + 5^5) + 5) \\
&:= 6 + (6 \times ((6 + 6 + 6) \times (6 \times 6 - 6))) \\
&:= (7 - 7/7) \times (7 \times 77 + ((7 + 7)/7)) \\
&:= ((8 + 8)/8) \times (8888/8 + 8 \times 8 \times 8) \\
&:= 9 + (((9 + 9) \times (99 + 9 \times 9)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3247 &:= 111 + ((1 + 111)/(1 + 1))^{1+1} \\
&:= (((22/2 + 2 \times 22) + 2)^2) - 2 \\
&:= (3 \times (33 \times 33 - 3)) - 33/3 \\
&:= 4^4 + ((44 \times (4 \times 4 \times 4 + 4)) - 4/4) \\
&:= 5^5 + ((555 + 55)/5) \\
&:= 6 + ((6 \times ((6 + 6 + 6) \times (6 \times 6 - 6))) + 6/6) \\
&:= 7 + ((77 \times (7 \times 7 - 7) - 7/7) + 7) \\
&:= 888/8 + ((8 \times 8 - 8)^{(8+8)/8}) \\
&:= 9 + (((9 + 9) \times (99 + 9 \times 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3248 &:= ((1 + (1 + 111)/(1 + 1))^{1+1}) - 1 \\
&:= 2 \times (((2 \times (22 - 2))^2 + 22) + 2) \\
&:= (3 \times (33 \times 33 - (3 + 3))) - 3/3 \\
&:= 4 \times ((4 \times (4 \times (44 + 4))) + 44) \\
&:= 5^5 + (5 \times 5 \times 5 - ((5 + 5)/5)) \\
&:= (6 \times 6 - (6/6 + 6)) \times (666 + 6)/6 \\
&:= 7 + (77 \times (7 \times 7 - 7) + 7) \\
&:= (8 + 8) \times (8 \times (8 + 8 + 8) + (88/8)) \\
&:= 9 + (((9 + 9) \times (99 + 9 \times 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3249 &:= (1 + (1 + 111)/(1 + 1))^{1+1} \\
&:= ((22/2 + 2 \times 22) + 2)^2 \\
&:= 3 \times (33 \times 33 - (3 + 3)) \\
&:= ((4^4 - 44)/4 + 4)^{(4+4)/4} \\
&:= 5^5 + (5 \times 5 \times 5 - 5/5) \\
&:= (((6 - 66) + 6)/6) + 66^{(6+6)/6} \\
&:= ((7/7 + 7 \times 7) + 7)^{(7+7)/7} \\
&:= ((8/8 - 8) + 8 \times 8)^{(8+8)/8} \\
&:= 9 + ((9 + 9) \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3250 &:= 1 + ((1 + (1 + 111)/(1 + 1))^{1+1}) \\
&:= 2 + (2 \times (((2 \times (22 - 2))^2 + 22) + 2)) \\
&:= 3/3 + (3 \times (33 \times 33 - (3 + 3))) \\
&:= (4^4 + 4)/4 \times (((4 + 4)/4 + 44) + 4) \\
&:= 5^5 + 5 \times 5 \times 5 \\
&:= 6 + (66 \times 66 - (6666 + 6)/6) \\
&:= 7 + ((77 \times (7 \times 7 - 7) + ((7 + 7)/7)) + 7) \\
&:= 8/8 + (((8/8 - 8) + 8 \times 8)^{(8+8)/8}) \\
&:= 9 + (((9 + 9) \times (99 + 9 \times 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3251 &:= 1 + (1 + ((1 + (1 + 111)/(1 + 1))^{1+1})) \\
&:= 2 + (((22/2 + 2 \times 22) + 2)^2) \\
&:= 3333 - (3 \times 3^3 + 3/3) \\
&:= 44/4 + ((44 - 4) \times (4 - 4/4)^4) \\
&:= 5^5 + (5 \times 5 \times 5 + 5/5) \\
&:= 6 + (66 \times 66 - (6666/6)) \\
&:= 7 + (77 \times (7 \times 7 - 7) + ((77 - 7)/7)) \\
&:= (8 + 8)/8 + (((8/8 - 8) + 8 \times 8)^{(8+8)/8}) \\
&:= 99/9 + ((9 + 9) \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3252 &:= 1 + (1 + (1 + ((1 + (1 + 111)/(1 + 1))^{1+1}))) \\
&:= 2 \times (((2 \times (22 - 2))^2 + 22) + 2) + 2) \\
&:= 3333 - 3 \times 3^3 \\
&:= 4 + ((44 \times (4 \times 4 \times 4 + 4)) + 4^4) \\
&:= 5^5 + (5 \times 5 \times 5 + ((5 + 5)/5)) \\
&:= 6 + ((6 \times ((6 + 6 + 6) \times (6 \times 6 - 6))) + 6) \\
&:= 7 + (77 \times (7 \times 7 - 7) + (77/7)) \\
&:= 88 + (((88 \times (8 \times 8 + 8)) - 8)/(8 + 8)/8) \\
&:= (99 + 9)/9 + ((9 + 9) \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3253 &:= 1 + (1 + (1 + (1 + ((1 + (1 + 111)/(1 + 1))^{1+1}))) \\
&:= 2 + (((22/2 + 2 \times 22) + 2)^2) + 2 \\
&:= 3/3 + (3333 - 3 \times 3^3) \\
&:= 4 + (((4^4 - 44)/4 + 4)^{(4+4)/4}) \\
&:= 5 + ((5 \times 5 \times 5 - ((5 + 5)/5)) + 5^5) \\
&:= 6 + (((6 \times ((6 + 6 + 6) \times (6 \times 6 - 6))) + 6/6) + 6) \\
&:= 7 + (77 \times (7 \times 7 - 7) + (77 + 7)/7) \\
&:= ((8 + 8 + 8) \times (8 \times (8 + 8) + 8)) - 88/8 \\
&:= ((99 + 9 + 9)/9) + ((9 + 9) \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3254 &:= ((1 + 1 + 1 + 1 + 11)^{1+1+1}) - 11^{1+1} \\
&:= 2 \times (((2 \times 22) - 2/2)^2) - 222 \\
&:= (3 \times (33 \times 33 - 3)) - (3/3 + 3) \\
&:= 4 + ((4^4 + 4)/4 \times (((4 + 4)/4 + 44) + 4)) \\
&:= 5 + ((5 \times 5 \times 5 - 5/5) + 5^5) \\
&:= 6 + ((6 \times 6 - (6/6 + 6)) \times (666 + 6)/6) \\
&:= 7 + (((77 \times (7 \times 7 - 7) - 7/7) + 7) + 7) \\
&:= (8 - 88)/8 + ((8 + 8 + 8) \times (8 \times (8 + 8) + 8)) \\
&:= 9 + (((9 + 9) \times (99 + 9 \times 9)) + ((9 \times 9 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3255 &:= (11 + (11 - 1)) \times (11 + (1 + 11)^{1+1}) \\
&:= 2 + (((((22/2 + 2 \times 22) + 2)^2) + 2) + 2) \\
&:= (3 \times (33 \times 33 - 3)) - 3 \\
&:= 44 \times (((4^4 - 4) + 44)/4) - 4/4 \\
&:= 5 + (5 \times 5 \times 5 + 5^5) \\
&:= ((6 \times 6 - 6) + 6/6) \times (666/6 - 6) \\
&:= 7 + ((77 \times (7 \times 7 - 7) + 7) + 7) \\
&:= 8888 - (8 \times 8 \times 88 + 8/8) \\
&:= ((99 \times 99 - 9)/(9 + 9 + 9)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3256 &:= 11 \times ((11 \times (1 + 1 + 1))^{1+1+1}) - 1 \\
&:= 2 \times (22 \times (2 \times (2 + 2 + 2)^2 + 2)) \\
&:= (3 \times 33 \times 33) - 33/3 \\
&:= 44 \times (((4^4 - 4) + 44)/4) \\
&:= 5 + ((5 \times 5 \times 5 + 5^5) + 5/5) \\
&:= ((6 + 6)/6 + 6) \times (6 \times 66 + (66/6)) \\
&:= 7 + (((7/7 + 7 \times 7) + 7)^{(7+7)/7}) \\
&:= 88 \times 888/(8 + 8 + 8) \\
&:= 99/9 \times ((99 \times (9 + 9 + 9) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3257 &:= (1 + 1)^{11} + ((11 \times (111 - 1)) - 1) \\
&:= 2/2 + (2 \times (22 \times (2 \times (2 + 2 + 2)^2 + 2))) \\
&:= (3 \times (33 \times 33 - 3)) - 3/3 \\
&:= 4/4 + (44 \times (((4^4 - 4) + 44)/4)) \\
&:= 5 + ((5 \times 5 \times 5 + ((5 + 5)/5)) + 5^5) \\
&:= 66 + (((6 - 6/6)^{6-6/6}) + 66) \\
&:= 7 + (((77 \times (7 \times 7 - 7) + ((7 + 7)/7)) + 7) + 7) \\
&:= 8 + (((8/8 - 8) + 8 \times 8)^{(8+8)/8}) \\
&:= 9 + (((9 + 9) \times (99 + 9 \times 9)) - 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3258 &:= (1 + 1)^{11} + (11 \times (111 - 1)) \\
&:= 2 + (2 \times (22 \times (2 \times (2 + 2 + 2)^2 + 2))) \\
&:= 3 \times (33 \times 33 - 3) \\
&:= 444 + ((4 \times 4 \times 4 \times 44) - (4 + 4)/4) \\
&:= 5 + (((5 \times 5 \times 5 - ((5 + 5)/5)) + 5^5) + 5) \\
&:= 666 + (6 \times (6 \times (66 + 6))) \\
&:= (7 - 7/7) \times ((7 \times 77 - 7) + (77/7)) \\
&:= 8 + (((8/8 - 8) + 8 \times 8)^{(8+8)/8}) + 8/8 \\
&:= 9 + (((9 + 9) \times (99 + 9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3259 &:= 1 + ((1 + 1)^{11} + (11 \times (111 - 1))) \\
&:= (((2 \times (22 + 2)) + 22/2)^2) - 222 \\
&:= 3/3 + (3 \times (33 \times 33 - 3)) \\
&:= 444 + ((4 \times 4 \times 4 \times 44) - 4/4) \\
&:= 5 + (((5 \times 5 \times 5 - 5/5) + 5^5) + 5) \\
&:= 6/6 + ((6 \times (6 \times (66 + 6))) + 666) \\
&:= 7 + ((77 \times (7 \times 7 - 7) + (77/7)) + 7) \\
&:= 8 + (((8/8 - 8) + 8 \times 8)^{(8+8)/8}) + ((8 + 8)/8) \\
&:= 9 + (((9 + 9) \times (99 + 9 \times 9)) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3260 &:= 11 + ((1 + (1 + 111)/(1 + 1))^{1+1}) \\
&:= 2 \times ((22 \times (2 \times (2 + 2 + 2)^2 + 2)) + 2) \\
&:= 3 + ((3 \times (33 \times 33 - 3)) - 3/3) \\
&:= 444 + (4 \times 4 \times 4 \times 44) \\
&:= 5 + ((5 \times 5 \times 5 + 5^5) + 5) \\
&:= 666 + ((6 \times (6 \times (66 + 6))) + ((6 + 6)/6)) \\
&:= 7 + ((77 \times (7 \times 7 - 7) + (77 + 7)/7) + 7) \\
&:= (8 \times 8 \times 88 + 888)/((8 + 8)/8) \\
&:= (99/9 + 9) \times (9 \times (9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3261 &:= 1 + (11 + ((1 + (1 + 111)/(1 + 1))^{1+1})) \\
&:= (2/2 + 2) \times ((22/2 + 22)^2 - 2) \\
&:= 3 + (3 \times (33 \times 33 - 3)) \\
&:= 4/4 + ((4 \times 4 \times 4 \times 44) + 444) \\
&:= 5 \times 5 + (555/5 + 5^5) \\
&:= (6 \times 666) - (((6 \times 6)/(6 + 6))^6) + 6 \\
&:= ((7/7 - 77) \times (7 - (7/7 + 7 \times 7))) - 7 \\
&:= 8 + (((8 + 8 + 8) \times (8 \times (8 + 8) + 8)) - (88/8)) \\
&:= (99 \times 99 - (9 + 9))/(9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3262 &:= (1 + (1 + 1 + 11)) \times (11 + (1 + 1) \times 111) \\
&:= (2^{2+2} - 2) \times (222 + 22/2) \\
&:= 3 + ((3 \times (33 \times 33 - 3)) + 3/3) \\
&:= (((4 + 4) + 4) \times (4 \times 4 + 4^4)) - (4 + 4)/4 \\
&:= 5 \times 5 + ((555 + 5)/5 + 5^5) \\
&:= 6 + (((6 + 6)/6 + 6) \times (6 \times 66 + (66/6))) \\
&:= 7 + (((77 \times (7 \times 7 - 7) + 7) + 7) + 7) \\
&:= ((8 + 8 + 8) \times (8 \times (8 + 8) + 8)) - (8 + 8)/8 \\
&:= ((9 + 9)/9) \times ((9 \times (99 + 9 \times 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3263 &:= ((1 + 1 + 1) \times ((11 \times (1 + 1 + 1))^{1+1} - 1)) - 1 \\
&:= 2 + ((2/2 + 2) \times ((22/2 + 22)^2 - 2)) \\
&:= (3 \times 33 \times 33) - (3/3 + 3) \\
&:= (((4 + 4) + 4) \times (4 \times 4 + 4^4)) - 4/4 \\
&:= 5^5 + ((5 \times 5 \times 55 + 5)/(5 + 5)) \\
&:= (6/6 + 6 + 6) \times (6 \times (6 \times 6 + 6) - 6/6) \\
&:= 7 + (((7/7 + 7 \times 7) + 7)^{(7+7)/7}) + 7 \\
&:= ((8 + 8 + 8) \times (8 \times (8 + 8) + 8)) - 8/8 \\
&:= 9 \times (9 + 9) \times (9 + 9 + 9) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3264 &:= (1 + 1 + 1) \times ((11 \times (1 + 1 + 1))^{1+1} - 1) \\
&:= 2 \times ((2 \times 22 + 2)^2 - 22^2) \\
&:= (3 \times 33 \times 33) - 3 \\
&:= ((4 + 4) + 4) \times (4 \times 4 + 4^4) \\
&:= 5^5 + (5 \times (5 \times 5 + 5) - (55/5)) \\
&:= (6 - 6/6) \times 666 - 66 \\
&:= (7 - 7/7) \times ((7 \times 77 - ((7 + 7)/7)) + 7) \\
&:= (8 + 8 + 8) \times (8 \times (8 + 8) + 8) \\
&:= (99 \times 99 - 9)/(9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3265 &:= 1 + ((1 + 1 + 1) \times ((11 \times (1 + 1 + 1))^{1+1} - 1)) \\
&:= ((2/2 + 2) \times (22/2 + 22)^2) - 2 \\
&:= 3/3 + ((3 \times 33 \times 33) - 3) \\
&:= 4/4 + (((4 + 4) + 4) \times (4 \times 4 + 4^4)) \\
&:= 5 + (((5 \times 5 \times 5 + 5^5) + 5) + 5) \\
&:= 6/6 + ((6 - 6/6) \times 666 - 66) \\
&:= 77 \times (7 + 7) + ((7 + 7 + 7)/7)^7 \\
&:= 8/8 + ((8 + 8 + 8) \times (8 \times (8 + 8) + 8)) \\
&:= 9 + ((99/9) \times ((99 \times (9 + 9 + 9) - 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3266 &:= (11 \times (11 \times (1 + 1 + 1))^{1+1+1}) - 1 \\
&:= 2 + (2 \times ((2 \times 22 + 2)^2 - 22^2)) \\
&:= (3 \times 33 \times 33) - 3/3 \\
&:= (4 + 4)/4 + (((4 + 4) + 4) \times (4 \times 4 + 4^4)) \\
&:= 5 + ((555/5 + 5^5) + 5 \times 5) \\
&:= (6 - 6/6) \times 666 - ((6 + 6)/6)^6 \\
&:= 7 + (((77 \times (7 \times 7 - 7) + (77/7)) + 7) + 7) \\
&:= (8 + 8)/8 + ((8 + 8 + 8) \times (8 \times (8 + 8) + 8)) \\
&:= (((9 + 9)/9)^9) + (9 + 9) \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3267 &:= 11 \times (11 \times (1 + 1 + 1))^{1+1+1} \\
&:= (2/2 + 2) \times (22/2 + 22)^2 \\
&:= 3 \times 33 \times 33 \\
&:= 4 + (((4 + 4) + 4) \times (4 \times 4 + 4^4)) - 4/4 \\
&:= 5 + (((555 + 5)/5 + 5^5) + 5 \times 5) \\
&:= (6 \times 666) - ((6 \times 6)/(6 + 6))^6 \\
&:= 77/7 \times (7 \times (7 \times 7 - 7) + ((7 + 7 + 7)/7)) \\
&:= 88/8 + (88 \times 888/(8 + 8 + 8)) \\
&:= 9 \times (99 \times 99/(9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3268 &:= (1+1)^{11} + (11 \times 111 - 1) \\
&:= 2 \times ((2 \times 22 + 2)^2 - 22^2) + 2 \\
&:= 3/3 + (3 \times 33 \times 33) \\
&:= 4 + (((4+4) + 4) \times (4 \times 4 + 4^4)) \\
&:= 55 \times 55 + ((5 - (5+5)/5)^5) \\
&:= 6/6 + ((6 \times 666) - ((6 \times 6)/(6+6))^6) \\
&:= (7/7 - 77) \times (7 - (7/7 + 7 \times 7)) \\
&:= 8 + ((8 \times 8 \times 88 + 888)/(8+8)/8) \\
&:= 9/9 + (9 \times (99 \times 99/(9+9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3269 &:= (1+1)^{11} + 11 \times 111 \\
&:= 2 + ((2/2 + 2) \times (22/2 + 22)^2) \\
&:= 3 + ((3 \times 33 \times 33) - 3/3) \\
&:= 4 + (((4+4) + 4) \times (4 \times 4 + 4^4)) + 4/4 \\
&:= 5^5 + ((5/5 + 5) \times (5 \times 5 - 5/5)) \\
&:= (6/6 + 6) \times ((6 \times (66 + 6 + 6)) - 6/6) \\
&:= (7 - 7/7) \times (7 \times 77 + 7) - 7 \\
&:= (8 - 8/8) \times ((8 \times (8 \times 8 - 8) + (88/8)) + 8) \\
&:= 9 + ((99/9 + 9) \times (9 \times (9 + 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3270 &:= 1 + ((1+1)^{11} + 11 \times 111) \\
&:= 2 \times 22^2 + (((2 \times (22 + 2))^2) - 2) \\
&:= 3 + (3 \times 33 \times 33) \\
&:= 4 + (((4+4) + 4) \times (4 \times 4 + 4^4)) + (4+4)/4 \\
&:= 5^5 + (5 \times (5 \times 5 + 5) - 5) \\
&:= (6 - 6/6) \times (666 - (6+6)) \\
&:= (7 - 7/7) \times ((7 \times 77 - 7/7) + 7) \\
&:= 8 + (((8+8+8) \times (8 \times (8+8) + 8)) - ((8+8)/8)) \\
&:= (99 \times 99 + 9)/(9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3271 &:= 1 + (1 + ((1+1)^{11} + 11 \times 111)) \\
&:= 22 + (((22/2 + 2 \times 22) + 2)^2) \\
&:= 3 + ((3 \times 33 \times 33) + 3/3) \\
&:= 444 + (44/4 \times (4/4 + 4^4)) \\
&:= 5^5 + ((5 \times (5 \times 5 + 5) - 5) + 5/5) \\
&:= 6/6 + ((6 - 6/6) \times (666 - (6+6))) \\
&:= 7 + (((7 \times 7 + 7)^{(7+7)/7}) + ((7+7)/7)^7) \\
&:= 8 + (((8+8+8) \times (8 \times (8+8) + 8)) - 8/8) \\
&:= ((9 \times 9 \times 9 \times 9 - 9/9)/(9+9)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3272 &:= 1 + (1 + (1 + ((1+1)^{11} + 11 \times 111))) \\
&:= 2 \times ((2 \times ((22 + 2)^2) + 22^2) \\
&:= 3 + (((3 \times 33 \times 33) - 3/3) + 3) \\
&:= 4 + (((4+4) + 4) \times (4 \times 4 + 4^4)) + 4 \\
&:= 5 \times 5 + (((555 + 55)/5) + 5^5) \\
&:= 6 + ((6 - 6/6) \times 666 - ((6+6)/6)^6) \\
&:= 7 + (((7+7+7)/7)^7 + 77 \times (7+7)) \\
&:= 8 + ((8+8+8) \times (8 \times (8+8) + 8)) \\
&:= ((9 \times 9 \times 9 \times 9 + 9/9)/(9+9)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3273 &:= (1+1+1) \times (1 + (1 + (11 \times (1+1+1))^{1+1})) \\
&:= (2/2 + 2) \times ((22/2 + 22)^2 + 2) \\
&:= 3 + ((3 \times 33 \times 33) + 3) \\
&:= 4 + (((4+4) + 4) \times (4 \times 4 + 4^4)) + 4/4 + 4 \\
&:= 5^5 + (5 \times (5 \times 5 + 5) - ((5+5)/5)) \\
&:= 6 + ((6 \times 666) - ((6 \times 6)/(6+6))^6) \\
&:= 7 \times 7 + (77 \times (7 \times 7 - 7) + ((7 - 77)/7)) \\
&:= 8 + (((8+8+8) \times (8 \times (8+8) + 8)) + 8/8) \\
&:= 9 + ((99 \times 99 - 9)/(9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3274 &:= 1 + ((1+1+1) \times (1 + (1 + (11 \times (1+1+1))^{1+1}))) \\
&:= 2 + (((2 \times (22 + 2))^2) + 2 \times 22^2) \\
&:= 3 + (((3 \times 33 \times 33) + 3/3) + 3) \\
&:= (44 - 4)/4 + (((4+4) + 4) \times (4 \times 4 + 4^4)) \\
&:= 5^5 + (5 \times (5 \times 5 + 5) - 5/5) \\
&:= ((6 \times 6 + 6) \times (66 + 6 + 6)) - (6+6)/6 \\
&:= (7 - 7/7) \times (7 \times 77 + 7) - (7+7)/7 \\
&:= 8 + (((8+8+8) \times (8 \times (8+8) + 8)) + ((8+8)/8)) \\
&:= (9 \times ((9 \times 9 \times 9 - 9)/(9+9))) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3275 &:= ((11 \times (1+11)) - 1) \times (1 + ((1+1) \times (1+11))) \\
&:= ((2/2 + 2)^{2 \times (2+2)} - 22/2)/2 \\
&:= (3 \times (33 \times 33 + 3)) - 3/3 \\
&:= 44/4 + (((4+4) + 4) \times (4 \times 4 + 4^4)) \\
&:= 5^5 + 5 \times (5 \times 5 + 5) \\
&:= (6 - 6/6) \times (666 - 66/6) \\
&:= (7 - 7/7) \times (7 \times 77 + 7) - 7/7 \\
&:= 88/8 + ((8+8+8) \times (8 \times (8+8) + 8)) \\
&:= (9 \times 9 \times 9 \times 9 - (99/9))/(9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3276 &:= (1+11) \times ((1+1+11) \times (11 + (11-1))) \\
&:= 2 \times (2 \times (22 + 2)^2 + 22^2 + 2) \\
&:= 3 \times (33 \times 33 + 3) \\
&:= (4^4 - 4) \times ((4/4 + 4 + 4) + 4) \\
&:= 5^5 + (5 \times (5 \times 5 + 5) + 5/5) \\
&:= (6 \times 6 + 6) \times (66 + 6 + 6) \\
&:= (7 - 7/7) \times (7 \times 77 + 7) \\
&:= (8/8 - 8 \times 8) \times ((88 + 8)/8 - 8 \times 8) \\
&:= 9 \times ((9 \times 9 \times 9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3277 &:= (1+1+111) \times (((11-1) \times (1+1+1)) - 1) \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} - 22/2)/2 \\
&:= 3/3 + (3 \times (33 \times 33 + 3)) \\
&:= 4/4 + ((4^4 - 4) \times ((4/4 + 4 + 4) + 4)) \\
&:= 5^5 + (5 \times (5 \times 5 + 5) + ((5+5)/5)) \\
&:= 6/6 + ((6 \times 6 + 6) \times (66 + 6 + 6)) \\
&:= 7/7 + (7 - 7/7) \times (7 \times 77 + 7) \\
&:= (((88/8 - 8)^8) - 8) + 8/8)/((8+8)/8) \\
&:= 9/9 + (9 \times ((9 \times 9 \times 9 \times 9 - 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3278 &:= 11 \times (1 + (11 \times (1+1+1))^{1+1+1}) \\
&:= 22 \times ((22/2 + 2)^2 - 22 + 2) \\
&:= 33/3 + (3 \times 33 \times 33) \\
&:= 44/4 \times ((4^4 - (4+4)/4) + 44) \\
&:= 5 + ((5 \times (5 \times 5 + 5) - ((5+5)/5)) + 5^5) \\
&:= (6+6)/6 + ((6 \times 6 + 6) \times (66 + 6 + 6)) \\
&:= (7+7)/7 + (7 - 7/7) \times (7 \times 77 + 7) \\
&:= ((8 \times 8 - 88/8) \times (8 \times 8 - ((8+8)/8))) - 8 \\
&:= 99/9 \times ((99 \times (9+9+9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3279 &:= (1+1)^{11} + ((11 \times (1+111)) - 1) \\
&:= ((2/2 + 2)^{2 \times (2+2)} + 2/2)/2 - 2 \\
&:= 3 + (3 \times (33 \times 33 + 3)) \\
&:= 4^4 + (((4+4) + 4) \times (4^4 - 4)) - 4/4 \\
&:= 5 + ((5 \times (5 \times 5 + 5) - 5/5) + 5^5) \\
&:= 666/6 + (66 \times (6 \times 6 + 6 + 6)) \\
&:= 7 + (((7+7+7)/7)^7 + 77 \times (7+7)) + 7 \\
&:= 8 + (((8+8+8) \times (8 \times (8+8) + 8)) - 8/8) + 8 \\
&:= 9 + ((99 \times 99 + 9)/(9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3280 &:= (1+1)^{11} + (11 \times (1+111)) \\
&:= ((2/2 + 2)^{2 \times (2+2)} - 2/2)/2 \\
&:= 3 + ((3 \times (33 \times 33 + 3)) + 3/3) \\
&:= 4 \times (((4+4)^4) + 4)/(4/4 + 4) \\
&:= 5 + (5 \times (5 \times 5 + 5) + 5^5) \\
&:= (6 - 6/6) \times (((6 - 66)/6) + 666) \\
&:= 7 \times 7 + (77 \times (7 \times 7 - 7) - ((7+7+7)/7)) \\
&:= 8 + (((8+8+8) \times (8 \times (8+8) + 8)) + 8) \\
&:= (9 \times 9 \times 9 \times 9 - 9/9)/(9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3281 &:= 1 + ((1+1)^{11} + (11 \times (1+111))) \\
&:= ((2/2 + 2)^{2 \times (2+2)} + 2/2)/2 \\
&:= 3 + ((3 \times 33 \times 33) + 33/3) \\
&:= 4/4 + (((4+4) + 4) \times (4^4 - 4)) + 4^4 \\
&:= 5^5 + ((5^5 - 5)/(5 \times 5 - 5)) \\
&:= 6 + ((6 - 6/6) \times (666 - 66/6)) \\
&:= 7 \times 7 + (77 \times (7 \times 7 - 7) - ((7+7)/7)) \\
&:= (8/8 + 8 + 8) \times (8 \times (8+8+8) + 8/8) \\
&:= (9 \times 9 \times 9 \times 9 + 9/9)/(9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3282 &:= 1 + (1 + ((1+1)^{11} + (11 \times (1+111)))) \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} - 2/2)/2 \\
&:= 3 + ((3 \times (33 \times 33 + 3)) + 3) \\
&:= 4 + (44/4 \times ((4^4 - (4+4)/4) + 44)) \\
&:= 5^5 + (((5+5)/5)^5 + 5 \times 5 \times 5) \\
&:= 6 + ((6 \times 6 + 6) \times (66 + 6 + 6)) \\
&:= 7 \times 7 + (77 \times (7 \times 7 - 7) - 7/7) \\
&:= ((8 - 888)/8) + (8 \times (8 \times 8 \times 8 - 88)) \\
&:= 9 + (((99 \times 99 - 9)/(9+9+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3283 &:= 1 + (1 + (1 + ((1 + 1)^{11} + (11 \times (1 + 111)))))) \\
&:= 2 + ((2/2 + 2)^{2 \times (2+2)} + 2/2)/2 \\
&:= 3 + (((3 \times (33 \times 33 + 3)) + 3/3) + 3) \\
&:= ((44 + 4/4) + 4) \times (((4^4 - 4)/4) + 4) \\
&:= 5^5 + 5 \times ((5 + 5)/5)^5 - (5 + 5)/5 \\
&:= 6 + (((6 \times 6 + 6) \times (66 + 6 + 6)) + 6/6) \\
&:= 7 \times ((77 \times (7 - 7/7)) + 7) \\
&:= 8 + (((8 + 8 + 8) \times (8 \times (8 + 8) + 8)) + (88/8)) \\
&:= (9 \times ((9 \times 9 \times 9 \times 9 + 9)/(9 + 9))) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3288 &:= (1 + 11) \times ((11 \times (1 + ((1 + 1) \times (1 + 11)))) - 1) \\
&:= 2 \times ((2 \times (22 - 2))^2 + 2 \times 22) \\
&:= 3 + (3 \times ((33 \times 33 + 3) + 3)) \\
&:= (4 + 4) \times 444 - (4^4 + 4 + 4) \\
&:= ((55 + 5)/5) \times (5 \times 55 - 5/5) \\
&:= 6 + (((6 \times 6 + 6) \times (66 + 6 + 6)) + 6) \\
&:= (7 - 7/7) \times ((7 \times 77 + ((7 + 7)/7)) + 7) \\
&:= 88 + ((8 + 8) \times (8 \times (8 + 8 + 8) + 8)) \\
&:= 9 + (((99 \times 99 + 9)/(9 + 9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3293 &:= ((1 + 1 + 1) \times (1111 - (1 + 1 + 11))) - 1 \\
&:= 2/2 + (2 \times (2222 - ((22 + 2)^2))) \\
&:= 3^3 + ((3 \times 33 \times 33) - 3/3) \\
&:= 4 + (44/4 \times ((44 - 4/4) + 4^4)) \\
&:= 55 \times (55 + 5) - ((5 + 5)/5 + 5) \\
&:= (6 \times (666 - 6)) - (666 + 6/6) \\
&:= ((7 - 7/7) \times (7 \times 77 + (77/7))) - 7 \\
&:= (8/8 + 88) \times 888/(8 + 8 + 8) \\
&:= 9 + ((9 \times ((9 \times 9 \times 9 \times 9 + 9)/(9 + 9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3284 &:= 1 + (1 + (1 + (1 + ((1 + 1)^{11} + (11 \times (1 + 111)))))) \\
&:= 2 \times ((2 \times (22 - 2))^2 - 2 + 2 \times 22) \\
&:= (3 \times ((33 \times 33 + 3) + 3)) - 3/3 \\
&:= 4 + (((4 + 4) + 4) \times (4^4 - 4)) + 4^4 \\
&:= 5^5 + ((55 + 5^5)/(5 \times 5 - 5)) \\
&:= 6 + (((6 \times 6 + 6) \times (66 + 6 + 6)) + ((6 + 6)/6)) \\
&:= 7/7 + (77 \times (7 \times 7 - 7) + 7 \times 7) \\
&:= 8 + ((8/8 - 8 \times 8) \times ((88 + 8)/8 - 8 \times 8)) \\
&:= (9 \times ((9 \times 9 \times 9 \times 9 + 9)/(9 + 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3289 &:= 11 \times (11 + ((1 + 1) \times (1 + 11)^{1+1})) \\
&:= 22/2 \times (((22 + 2)^2) + 22)/2 \\
&:= 3333 - (33/3 + 33) \\
&:= 44/4 \times ((44 - 4/4) + 4^4) \\
&:= 55 \times (55 + 5) - 55/5 \\
&:= (6/6 + 6 + 6) \times (6 \times (6 \times 6 + 6) + 6/6) \\
&:= 7 + ((77 \times (7 \times 7 - 7) - 7/7) + 7 \times 7) \\
&:= 888 + ((8 - 8/8)^{8 \times 8/(8+8)}) \\
&:= 9 + ((9 \times 9 \times 9 \times 9 - 9/9)/(9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3294 &:= (1 + 1 + 1) \times (1111 - (1 + 1 + 11)) \\
&:= 2 + (2 \times (2222 - ((22 + 2)^2))) \\
&:= 3 \times (33 \times 33 + 3 \times 3) \\
&:= (4 + 4) \times 444 - ((4 + 4)/4 + 4^4) \\
&:= 55 \times (55 + 5) - (5/5 + 5) \\
&:= (6 \times (666 - 6)) - 666 \\
&:= 7 \times 7 + (77 \times (7 \times 7 - 7) + (77/7)) \\
&:= 8 + ((8 \times 8 - 88/8) \times (8 \times 8 - ((8 + 8)/8))) \\
&:= 9 + (9 \times ((9 \times 9 \times 9 \times 9 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3285 &:= (1 + 1 + 1) \times (1111 - (1 + 1)^{1+1+1+1}) \\
&:= 2 + 2 + ((2/2 + 2)^{2 \times (2+2)} + 2/2)/2 \\
&:= 3 \times ((33 \times 33 + 3) + 3) \\
&:= (4 - 4/4) \times (4444/4 - 4 \times 4) \\
&:= 5^5 + (5 \times ((5 + 5)/5)^5) \\
&:= 6 + ((66 \times (6 \times 6 + 6 + 6)) + 666/6) \\
&:= 7 \times 7 + (77 \times (7 \times 7 - 7) + ((7 + 7)/7)) \\
&:= (88/8 - 8) \times (8888/8 - (8 + 8)) \\
&:= 9 \times ((9 \times 9 \times 9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3290 &:= (11 - 1) \times (((1 + 1 + 1) \times (111 - 1)) - 1) \\
&:= 2 + (2 \times ((2 \times (22 - 2))^2 + 2 \times 22)) \\
&:= 3 + ((3 \times (33 \times 33 + 3)) + 33/3) \\
&:= 4 + ((4^4 - 44)/4 \times (4^4 - 4 - 4)/4) \\
&:= 55 \times (55 + 5) - 5 - 5 \\
&:= (6 - 6/6) \times (666 - ((6 + 6)/6 + 6)) \\
&:= 7 + (77 \times (7 \times 7 - 7) + 7 \times 7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 88)) + ((8 - 888)/8)) \\
&:= 9 + ((9 \times 9 \times 9 \times 9 + 9/9)/(9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3295 &:= 1 + ((1 + 1 + 1) \times (1111 - (1 + 1 + 11))) \\
&:= (2 \times (2 \times 22)^2) - (((22 + 2)^2) + 2/2) \\
&:= 3^3 + ((3 \times 33 \times 33) + 3/3) \\
&:= (4 + 4) \times 444 - (4/4 + 4^4) \\
&:= 55 \times (55 + 5) - 5 \\
&:= (6 - 6/6) \times (666 - 6/6 - 6) \\
&:= 7 \times 7 \times (77 - 7) - (((7 + 7)/7)^7 + 7) \\
&:= 8 + (((8 - 8/8 + 8)^{88/8-8}) - 88) \\
&:= ((9 - 9/9) \times (((9 + 9)/9)^9) - 99) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3286 &:= ((1 + 1 + 1) \times (1111 - (1 + 11))) - 11 \\
&:= 2 \times ((2 \times 22 - 2)^2 - (22/2)^2) \\
&:= 3/3 + (3 \times ((33 \times 33 + 3) + 3)) \\
&:= (4^4 - 44)/4 \times (4^4 - 4 - 4)/4 \\
&:= 5 + (5^5 - 5)/(5 \times 5 - 5) + 5^5 \\
&:= 6 + ((6 - 6/6) \times (((6 - 66)/6) + 666)) \\
&:= 7 \times 7 + (77 \times (7 \times 7 - 7) + ((7 + 7 + 7)/7)) \\
&:= (8 \times 8 - 88/8) \times (8 \times 8 - ((8 + 8)/8)) \\
&:= 9/9 + (9 \times ((9 \times 9 \times 9 \times 9 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3291 &:= (1 + 1)^{11} + (11 \times (1 + 1 + 11)) \\
&:= 2 + (22/2 \times (((22 + 2)^2) + 22)/2) \\
&:= 3^3 + ((3 \times 33 \times 33) - 3) \\
&:= (4 + 4) \times 444 - ((4/4 + 4^4) + 4) \\
&:= 55 + (555/5 + 5^5) \\
&:= 6666 \times 6/(6 + 6) - (6 \times 6 + 6) \\
&:= 7 + ((77 \times (7 \times 7 - 7) + 7 \times 7) + 7/7) \\
&:= 8 + (((8 + 8 + 8) \times (8 \times (8 + 8) + 8)) + (88/8)) + 8 \\
&:= ((9 + 9 + 9)/9) \times (((99 \times 99 - 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3296 &:= ((1 + 1 + 1) \times (1111 - (1 + 11))) - 1 \\
&:= 2 \times (2^{22/2} - (22 - 2)^2) \\
&:= 3333 - (3/3 + 33 + 3) \\
&:= (4 + 4) \times 444 - 4^4 \\
&:= 5/5 + (55 \times (55 + 5) - 5) \\
&:= 6 + ((6 - 6/6) \times (666 - ((6 + 6)/6 + 6))) \\
&:= (7 \times (((7 + 7)/7)^7 + 7 \times 7 \times 7)) - 7/7 \\
&:= 8 \times ((888 - 8 \times 8)/(8 + 8)/8) \\
&:= 9 + ((9/9 + 9 + 9) \times (99/9 + 9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3287 &:= 1 + (((1 + 1 + 1) \times (1111 - (1 + 11))) - 11) \\
&:= ((2 - 22^2)/2) + (2 \times (2 \times 22 - 2)^2) \\
&:= 33/3 + (3 \times (33 \times 33 + 3)) \\
&:= 4 + (((44 + 4/4) + 4) \times (((4^4 - 4)/4) + 4)) \\
&:= 5 + ((5 + 5)/5)^5 + 5 \times 5 \times 5 + 5^5 \\
&:= 66/6 + ((6 \times 6 + 6) \times (66 + 6 + 6)) \\
&:= 77/7 + (7 - 7/7) \times (7 \times 77 + 7) \\
&:= ((8 - 8/8 + 8)^{88/8-8}) - 88 \\
&:= (9/9 + 9 + 9) \times (99/9 + 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3292 &:= 1 + ((1 + 1)^{11} + (11 \times (1 + 1 + 11))) \\
&:= 2 \times (2222 - ((22 + 2)^2)) \\
&:= 3 + (3333 - (33/3 + 33)) \\
&:= (4 + 4) \times 444 - (4^4 + 4) \\
&:= 55 + ((555 + 5)/5 + 5^5) \\
&:= (6 \times 666) - ((66/6) \times ((6 + 6)/6)^6) \\
&:= 7 + ((77 \times (7 \times 7 - 7) + ((7 + 7)/7)) + 7 \times 7) \\
&:= ((8 \times (888 - 8 \times 8)) - 8)/(8 + 8)/8 \\
&:= 9 + ((9 \times ((9 \times 9 \times 9 \times 9 + 9)/(9 + 9))) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3297 &:= (1 + 1 + 1) \times (1111 - (1 + 11)) \\
&:= 2/2 + (2 \times (2^{22/2} - (22 - 2)^2)) \\
&:= 3333 - (33 + 3) \\
&:= 4/4 + ((4 + 4) \times 444 - 4^4) \\
&:= (5 + 5)/5 + (55 \times (55 + 5) - 5) \\
&:= 6666 \times 6/(6 + 6) - 6 \times 6 \\
&:= 7 \times (((7 + 7)/7)^7 + 7 \times 7 \times 7) \\
&:= 8 + (((8 - 8/8)^{8 \times 8/(8+8)}) + 888) \\
&:= ((9 + 9 + 9)/9) \times (((99 \times 99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3298 &:= 1 + ((1 + 1 + 1) \times (1111 - (1 + 11))) \\
&:= 2 + (2 \times (2^{22/2} - (22 - 2)^2)) \\
&:= 3/3 + (3333 - (33 + 3)) \\
&:= (4 + 4)/4 + ((4 + 4) \times 444 - 4^4) \\
&:= 55 \times (55 + 5) - (5 + 5)/5 \\
&:= (((6 + 6)/6)^{6+6}) - (66 \times (6 + 6) + 6) \\
&:= 7/7 + (7 \times (((7 + 7)/7)^7 + 7 \times 7 \times 7)) \\
&:= (8/8 + 8 + 8) \times (8 \times (8 + 8 + 8) + ((8 + 8)/8)) \\
&:= 9999/9 + 9 \times 9 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3299 &:= ((1 + 1 + 1) \times (1111 - 11)) - 1 \\
&:= 22^2 + (((22 \times 2^{2 \times (2+2)} - 2)/2) \\
&:= 3333 - 3/3 - 33 \\
&:= (44 \times ((44 + 4^4)/4)) - 4/4 \\
&:= 55 \times (55 + 5) - 5/5 \\
&:= ((6 - 6/6) \times (666 - 6)) - 6/6 \\
&:= 77 + ((7 - 7/7) \times (7 \times 77 - ((7 + 7)/7))) \\
&:= 88 + (((8 + 8) \times (8 \times (8 + 8 + 8) + 8)) + (88/8)) \\
&:= 9 + (((9 \times 9 \times 9 + 9/9)/(9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3300 &:= (1 + 1 + 1) \times (1111 - 11) \\
&:= 22 \times ((2 \times 2^{2+2+2}) + 22) \\
&:= 3333 - 33 \\
&:= 44 \times ((44 + 4^4)/4) \\
&:= 55 \times (55 + 5) \\
&:= (6 - 6/6) \times (666 - 6) \\
&:= (7 - 7/7) \times (7 \times 77 + (77/7)) \\
&:= (88/((8 + 8)/8)) \times (88/8 + 8 \times 8) \\
&:= (9/9 + 99) \times (99/((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3301 &:= 1 + ((1 + 1 + 1) \times (1111 - 11)) \\
&:= 2/2 + (22 \times ((2 \times 2^{2+2+2}) + 22)) \\
&:= 3/3 + (3333 - 33) \\
&:= 4/4 + (44 \times ((44 + 4^4)/4)) \\
&:= 5/5 + 55 \times (55 + 5) \\
&:= 6/6 + ((6 - 6/6) \times (666 - 6)) \\
&:= (7 \times (777 + 7)) - ((7 + 7 + 7)/7)^7 \\
&:= 8 + ((8/8 + 88) \times 888/(8 + 8 + 8)) \\
&:= 9 \times 9 + ((99/9 + 9) \times (9 \times (9 + 9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3302 &:= 1 + (1 + ((1 + 1 + 1) \times (1111 - 11))) \\
&:= (22/2 + 2) \times (2^{2 \times (2+2)} - 2) \\
&:= 3 + (3333 - (3/3 + 33)) \\
&:= (4 + 4)/4 + (44 \times ((44 + 4^4)/4)) \\
&:= (5 + 5)/5 + 55 \times (55 + 5) \\
&:= (6 + 6)/6 + ((6 - 6/6) \times (666 - 6)) \\
&:= 7 \times 7 \times (77 - 7) - ((7 + 7)/7)^7 \\
&:= (8 \times (8 + 8) - 8/8) \times (((((8 + 8)/8) + 8) + 8) + 8) \\
&:= ((9 + 9) \times ((99 + 9 \times 9) + 9)) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3303 &:= (1 + 1 + 1) \times (1 + (1111 - 11)) \\
&:= 22 + ((2/2 + 2)^{2 \times (2+2)} + 2/2)/2 \\
&:= 3 + (3333 - 33) \\
&:= 4 + ((44 \times ((44 + 4^4)/4)) - 4/4) \\
&:= 5 + (55 \times (55 + 5) - ((5 + 5)/5)) \\
&:= 6 + (6666 \times 6/(6 + 6) - 6 \times 6) \\
&:= 77 + (77 \times (7 \times 7 - 7) - (7/7 + 7)) \\
&:= (8 \times (8 \times 8 \times 8 - 88)) - (8/8 + 88) \\
&:= ((9 + 9) \times ((99 + 9 \times 9) + 9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3304 &:= 1 + ((1 + 1 + 1) \times (1 + (1111 - 11))) \\
&:= 2 + ((22/2 + 2) \times (2^{2 \times (2+2)} - 2)) \\
&:= 3 + ((3333 - 33) + 3/3) \\
&:= 4 + (44 \times ((44 + 4^4)/4)) \\
&:= 5 + (55 \times (55 + 5) - 5/5) \\
&:= (((6 + 6)/6)^{6+6}) - 66 \times (6 + 6) \\
&:= 77 + (77 \times (7 \times 7 - 7) - 7) \\
&:= (8 \times (8 \times 8 \times 8 - 88)) - 88 \\
&:= (9 - 9/9) \times (((9 + 9)/9)^9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3305 &:= 1 + (1 + ((1 + 1 + 1) \times (1 + (1111 - 11)))) \\
&:= (2 \times 22)^2 + (((2 + 2 + 2)^2 + 2/2)^2) \\
&:= 3333 - (3^3 + 3/3) \\
&:= 4 + ((44 \times ((44 + 4^4)/4)) + 4/4) \\
&:= 5 + 55 \times (55 + 5) \\
&:= (6 - 6/6) \times ((666 - 6) + 6/6) \\
&:= 7/7 + ((77 \times (7 \times 7 - 7) - 7) + 77) \\
&:= 8/8 + ((8 \times (8 \times 8 \times 8 - 88)) - 88) \\
&:= 9/9 + ((9 - 9/9) \times (((9 + 9)/9)^9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3306 &:= (1 + 1 + 1) \times (1 + (1 + (1111 - 11))) \\
&:= (2 \times (2 \times 22 - 2)^2) - 222 \\
&:= 3333 - 3^3 \\
&:= 4 + ((44 \times ((44 + 4^4)/4)) + (4 + 4)/4) \\
&:= 5 + (55 \times (55 + 5) + 5/5) \\
&:= 6 + ((6 - 6/6) \times (666 - 6)) \\
&:= (7 - 7/7) \times ((77 + 7)/7 + 7 \times 77) \\
&:= (8 + 8)/8 + ((8 \times (8 \times 8 \times 8 - 88)) - 88) \\
&:= ((9 + 9 + 9)/9) \times (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3307 &:= 1 + ((1 + 1 + 1) \times (1 + (1 + (1111 - 11)))) \\
&:= 2/2 + ((2 \times (2 \times 22 - 2)^2) - 222) \\
&:= 3/3 + (3333 - 3^3) \\
&:= 44/4 + ((4 + 4) \times 444 - 4^4) \\
&:= 5 + (55 \times (55 + 5) + ((5 + 5)/5)) \\
&:= 6 + (((6 - 6/6) \times (666 - 6)) + 6/6) \\
&:= 7 + ((7 - 7/7) \times (7 \times 77 + (77/7))) \\
&:= 88 + ((8 \times 8 \times 8 - 888) + (88/8)) \\
&:= 9 + (9999/9 + 9 \times 9 \times (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3308 &:= 1111 + ((1 + 1 + 11)^{1+1+1}) \\
&:= 2 + ((2 \times (2 \times 22 - 2)^2) - 222) \\
&:= 3 + (3333 - (3^3 + 3/3)) \\
&:= (44 \times (4 - 4/4)^4) - 4^4 \\
&:= 5 + ((55 \times (55 + 5) - ((5 + 5)/5)) + 5) \\
&:= 6 + (((6 - 6/6) \times (666 - 6)) + ((6 + 6)/6)) \\
&:= 7 + ((7 \times (777 + 7)) - ((7 + 7 + 7)/7)^7) \\
&:= 8 + ((88/((8 + 8)/8)) \times (88/8 + 8 \times 8)) \\
&:= 9 + (((9 \times 9 \times 9 + 9/9)/(9 + 9)/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3309 &:= 1 + (1111 + ((1 + 1 + 11)^{1+1+1})) \\
&:= (2/2 + 2) \times ((2222/2) - 2 \times (2 + 2)) \\
&:= 3 + (3333 - 3^3) \\
&:= 4/4 + ((44 \times (4 - 4/4)^4) - 4^4) \\
&:= 5 + ((55 \times (55 + 5) - 5/5) + 5) \\
&:= ((6666 - 6 \times 6)/(6 + 6)/6) - 6 \\
&:= 7 + (7 \times 7 \times (77 - 7) - ((7 + 7)/7)^7) \\
&:= (88/8 - 8) \times (8888/8 - 8) \\
&:= 9 + ((9/9 + 99) \times (99/((9 + 9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3310 &:= (11 - 1) \times (1 + ((1 + 1 + 1) \times (111 - 1))) \\
&:= (2^{2+2} \times 222) - 22^2/2 \\
&:= 3 + ((3333 - 3^3) + 3/3) \\
&:= (4 + 4)/4 + ((44 \times (4 - 4/4)^4) - 4^4) \\
&:= 5 + (55 \times (55 + 5) + 5) \\
&:= 6 + (((6 + 6)/6)^{6+6}) - 66 \times (6 + 6) \\
&:= 77 + (77 \times (7 \times 7 - 7) - 7/7) \\
&:= 8 + ((8 \times (8 + 8) - 8/8) \times (((8 + 8)/8) + 8) + 8) \\
&:= 9 \times 9 + (((9 + 9) \times (99 + 9 \times 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3311 &:= 11 + ((1 + 1 + 1) \times (1111 - 11)) \\
&:= 222/2 + (2 \times (2 \times (22 - 2)^2)) \\
&:= 33/3 + (3333 - 33) \\
&:= 44/4 \times ((44 + 4^4) + 4/4) \\
&:= 55/5 + 55 \times (55 + 5) \\
&:= 6 + ((6 - 6/6) \times ((666 - 6) + 6/6)) \\
&:= 77 + 77 \times (7 \times 7 - 7) \\
&:= ((8 - 8/8 + 8)^{88/8-8}) - 8 \times 8 \\
&:= 9 \times 9 + ((9/9 + 9) \times ((9 + 9) \times (9 + 9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3312 &:= (1 + 11)^{1+1} \times (1 + (11 + 11)) \\
&:= 2 \times (((2 \times 22) + 2) \times (2 + 2 + 2)^2) \\
&:= 3 + ((3333 - 3^3) + 3) \\
&:= 4 \times ((4 \times (4 \times (44 + 4 + 4))) - 4) \\
&:= ((55 + 5)/5) + 55 \times (55 + 5) \\
&:= (6 + 6) \times (6 \times 6 \times 6 - 6 + 66) \\
&:= 7/7 + (77 \times (7 \times 7 - 7) + 77) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 88)) - 88) \\
&:= 9 \times 9 + (((9 + 9) \times (99 + 9 \times 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3313 &:= 1 + ((1 + 11)^{1+1} \times (1 + (11 + 11))) \\
&:= 2 + ((2 \times (2 \times (22 - 2))^2) + 222/2) \\
&:= 3333 - (33/3 + 3 \times 3) \\
&:= 4/4 + (4 \times ((4 \times (4 \times (44 + 4 + 4))) - 4)) \\
&:= 5^5 + (((5 - (5 + 5)/5)^5) - 55) \\
&:= 6/6 + ((6 + 6) \times (6 \times 6 \times 6 - 6 + 66)) \\
&:= 77 + (77 \times (7 \times 7 - 7) + ((7 + 7)/7)) \\
&:= 8 \times 8 + (((8/8 - 8) + 8 \times 8)^{(8+8)/8}) \\
&:= 9 + ((9 - 9/9) \times (((9 + 9)/9)^9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3314 &:= 1 + (1 + ((1 + 11)^{1+1} \times (1 + (11 + 11)))) \\
&:= 2 + (2 \times (((2 \times 22) + 2) \times (2 + 2 + 2)^2)) \\
&:= 3333 - ((3 \times (3 + 3)) + 3/3) \\
&:= (4 + 4)/4 + (4 \times ((4 \times (4 \times (44 + 4 + 4))) - 4)) \\
&:= 5 + (((55 \times (55 + 5) - 5/5) + 5) + 5) \\
&:= ((6 - 6/6) \times (666 - ((6 + 6)/6))) - 6 \\
&:= 7 + (((7 - 7/7) \times (7 \times 77 + (77/7))) + 7) \\
&:= 8 + (((8 \times (8 \times 8 \times 8 - 88)) - 88) + ((8 + 8)/8)) \\
&:= 9 + (((9 - 9/9) \times (((9 + 9)/9)^9) - 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3315 &:= (1 + 1 + 1) \times (1111 - ((1 + 1) \times (1 + 1 + 1))) \\
&:= (22/2 + 2) \times (2^{2 \times (2+2)} - 2/2) \\
&:= 3333 - (3 \times (3 + 3)) \\
&:= (4^4 - 4/4) \times ((4/4 + 4 + 4) + 4) \\
&:= 5 + ((55 \times (55 + 5) + 5) + 5) \\
&:= (6666 - 6 \times 6) / ((6 + 6)/6) \\
&:= 77 + ((77 \times (7 \times 7 - 7) - 7) + (77/7)) \\
&:= 88/8 + ((8 \times (8 \times 8 \times 8 - 88)) - 88) \\
&:= (9999 / ((9 + 9 + 9)/9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3316 &:= ((1 + 1 + 1) \times (1111 - (1 + 1))) - 11 \\
&:= 2 \times (((2 \times 22) + 2) \times (2 + 2 + 2)^2) + 2 \\
&:= 3/3 + (3333 - (3 \times (3 + 3))) \\
&:= 4 + (4 \times ((4 \times (4 \times (44 + 4 + 4))) - 4)) \\
&:= 5 + (55 \times (55 + 5) + (55/5)) \\
&:= 6 + (((((6 + 6)/6)^{6+6}) - 66 \times (6 + 6)) + 6) \\
&:= 7 + ((7 \times 7 \times (77 - 7) - ((7 + 7)/7)^7) + 7) \\
&:= 8 \times (8 \times 8 \times 8 - 88 - 8) - (88 + 8)/8 \\
&:= (9 \times (9 \times 9 \times 9 + 9) - (9/9 + 9)) / ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3317 &:= 1 + (((1 + 1 + 1) \times (1111 - (1 + 1))) - 11) \\
&:= 2 + ((22/2 + 2) \times (2^{2 \times (2+2)} - 2/2)) \\
&:= 33/3 + (3333 - 3^3) \\
&:= 4^4 + ((4^4 \times ((4 + 4) + 4)) - 44/4) \\
&:= 5^5 + ((5/5 + 5) \times ((5 + 5)/5)^5) \\
&:= (6 - 6/6) \times 666 - (6/6 + 6 + 6) \\
&:= 7 + ((77 \times (7 \times 7 - 7) - 7/7) + 77) \\
&:= 8 \times (8 \times 8 \times 8 - 88 - 8) - 88/8 \\
&:= ((99 - 9/9) + 9) \times (((99 + 99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3318 &:= ((1 + 1 + 1) \times (1111 - 1)) - 1 - 11 \\
&:= 2 \times (((2 \times (22 - 2) + 2/2)^2) - 22) \\
&:= 3 + (3333 - (3 \times (3 + 3))) \\
&:= (4 - 4/4) \times ((4444 - 4)/4 - 4) \\
&:= (5/5 + 5) \times (555 - (5 + 5)/5) \\
&:= (6 - 6/6) \times 666 - 6 - 6 \\
&:= 7 + (77 \times (7 \times 7 - 7) + 77) \\
&:= (8 - 88)/8 + 8 \times (8 \times 8 \times 8 - 88 - 8) \\
&:= 99 + (999/9 \times (99/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3319 &:= ((1 + 1 + 1) \times (1111 - 1)) - 11 \\
&:= (22/2)^2 + ((2 \times (2 \times (22 - 2))^2) - 2) \\
&:= 3333 - (33/3 + 3) \\
&:= 4 + ((4^4 - 4/4) \times ((4/4 + 4 + 4) + 4)) \\
&:= (5/5 + 5) \times 555 - 55/5 \\
&:= (6 - 6/6) \times 666 - 66/6 \\
&:= 7 \times 7 \times (77 - 7) - 777/7 \\
&:= 8 \times (8 \times 8 \times 8 - 88 - 8) - (8/8 + 8) \\
&:= 99 + ((99/9 + 9) \times (9 \times (9 + 9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3320 &:= (11 - 1) \times ((1 + 1 + 1) \times 111 - 1) \\
&:= 2 \times ((22 - 2) \times ((2/2 + 2)^{2+2} + 2)) \\
&:= ((3 - 33)/3) + (3333 - 3) \\
&:= 4^4 + ((4^4 \times ((4 + 4) + 4)) - (4 + 4)) \\
&:= 5 \times 5 + (55 \times (55 + 5) - 5) \\
&:= (6 - 6/6) \times (666 - ((6 + 6)/6)) \\
&:= ((77 - 7)/7) \times (7 \times 7 \times 7 - (77/7)) \\
&:= 8 \times (8 \times 8 \times 8 - 88 - 8) - 8 \\
&:= 9 \times 9 + (((9 + 9) \times (99 + 9 \times 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3321 &:= ((1 + 1 + 1) \times 1111) - 1 - 11 \\
&:= (2/2 + 2) \times ((2222/2) - (2 + 2)) \\
&:= 3333 - (3 \times 3 + 3) \\
&:= (4 - 4/4) \times (4444/4 - 4) \\
&:= 5 + ((55 \times (55 + 5) + (55/5)) + 5) \\
&:= 6666 \times 6 / (6 + 6) - 6 - 6 \\
&:= (7 \times (7 \times (77 - 7) - (7 + 7))) - 77/7 \\
&:= 8/8 + (8 \times (8 \times 8 \times 8 - 88 - 8) - 8) \\
&:= 9 \times (((9 + 9) \times (99/9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3322 &:= ((1 + 1 + 1) \times 1111) - 11 \\
&:= 22 \times (((2^{2 \times (2+2)} + 2)/2) + 22) \\
&:= 3333 - 33/3 \\
&:= 44/4 \times (((4 + 4)/4 + 44) + 4^4) \\
&:= 5 + (((5/5 + 5) \times ((5 + 5)/5)^5) + 5^5) \\
&:= (6 - 6/6) \times 666 - ((6 + 6)/6 + 6) \\
&:= 77 + (77 \times (7 \times 7 - 7) + (77/7)) \\
&:= (8 + 8)/8 + (8 \times (8 \times 8 \times 8 - 88 - 8) - 8) \\
&:= 9/9 + (((9 + 9) \times (99 + 9 \times 9)) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3323 &:= 1 + (((1 + 1 + 1) \times 1111) - 11) \\
&:= 2 + ((2 \times (2 \times (22 - 2))^2) + (22/2)^2) \\
&:= ((3 - 33)/3) + 3333 \\
&:= 4^4 + ((4^4 \times ((4 + 4) + 4)) - (4/4 + 4)) \\
&:= 5 + ((5/5 + 5) \times (555 - (5 + 5)/5)) \\
&:= (6 - 6/6) \times 666 - 6/6 - 6 \\
&:= 77 + (77 \times (7 \times 7 - 7) + (77 + 7)/7) \\
&:= ((8/8 - 8 \times 8) \times (88/8 - 8 \times 8)) - 8 - 8 \\
&:= 9 \times 9 + (((9 + 9) \times (99 + 9 \times 9)) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3324 &:= (1 + 1 + 1) \times (1111 - (1 + 1 + 1)) \\
&:= (2 + 2 + 2) \times (((22 + 2)^2) - 22) \\
&:= 3333 - 3 \times 3 \\
&:= 4^4 + ((4^4 \times ((4 + 4) + 4)) - 4) \\
&:= (5/5 + 5) \times (555 - 5/5) \\
&:= (6 - 6/6) \times 666 - 6 \\
&:= (7 - 7/7) \times (((7 \times 77 + 7/7) + 7) + 7) \\
&:= ((8 \times 8 \times (88 + 8 + 8)) - 8) / ((8 + 8)/8) \\
&:= (9999 / ((9 + 9 + 9)/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3325 &:= ((1 + 1 + 1) \times (1 + 1111)) - 11 \\
&:= ((2/2 + 2) \times ((2222/2) - 2)) - 2 \\
&:= 3 + (3333 - 33/3) \\
&:= 4 + ((4 - 4/4) \times (4444/4 - 4)) \\
&:= 5 \times 5 + 55 \times (55 + 5) \\
&:= (6 - 6/6) \times (666 - 6/6) \\
&:= (7 \times 7 - (7 + 7)/7) \times (77 - (7 + 7)/7) \\
&:= (88/8 + 8) \times (888/8 + 8 \times 8) \\
&:= 9/9 + ((9999 / ((9 + 9 + 9)/9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3326 &:= ((1 + 1 + 1) \times (1111 - (1 + 1))) - 1 \\
&:= ((22/2 + 2) \times 2^{2 \times (2+2)}) - 2 \\
&:= 3333 - (3/3 + 3 + 3) \\
&:= 4^4 + ((4^4 \times ((4 + 4) + 4)) - (4 + 4)/4) \\
&:= 5 \times 5 + (55 \times (55 + 5) + 5/5) \\
&:= 6 + ((6 - 6/6) \times (666 - ((6 + 6)/6))) \\
&:= 7 + (7 \times 7 \times (77 - 7) - 777/7) \\
&:= 8 \times (8 \times 8 \times 8 - 88 - 8) - (8 + 8)/8 \\
&:= ((9 \times (9 \times 9 \times 9 + 9) + 9/9) + 9) / ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3327 &:= (1 + 1 + 1) \times (1111 - (1 + 1)) \\
&:= (2/2 + 2) \times ((2222/2) - 2) \\
&:= 3333 - 3 - 3 \\
&:= 4^4 + ((4^4 \times ((4 + 4) + 4)) - 4/4) \\
&:= 5 \times 5 + (55 \times (55 + 5) + ((5 + 5)/5)) \\
&:= 6666 \times 6 / (6 + 6) - 6 \\
&:= 7 + (((7 - 777)/7) + 7 \times 7 \times (77 - 7)) \\
&:= 8 \times (8 \times 8 \times 8 - 88 - 8) - 8/8 \\
&:= (9999 - (9 + 9)) / ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3328 &:= 1 + ((1 + 1 + 1) \times (1111 - (1 + 1))) \\
&:= (22/2 + 2) \times 2^{2 \times (2+2)} \\
&:= 3/3 + (3333 - (3 + 3)) \\
&:= 4 \times (4 \times (4 \times (44 + 4 + 4))) \\
&:= 5^5 + (((5^5 - 5)/(5 + 5 + 5)) - 5) \\
&:= (6 - 6/6) \times 666 - (6 + 6)/6 \\
&:= (7 - 7/7 + 7) \times (((7 + 7)/7)^{7+7/7}) \\
&:= 8 \times (8 \times 8 \times 8 - 88 - 8) \\
&:= 99 + (((9 + 9) \times (99 + 9 \times 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3329 &:= ((1 + 1 + 1) \times (1111 - 1)) - 1 \\
&:= 2 + ((2/2 + 2) \times ((2222/2) - 2)) \\
&:= 3333 - (3/3 + 3) \\
&:= 4/4 + ((4^4 \times ((4 + 4) + 4)) + 4^4) \\
&:= (5/5 + 5) \times 555 - 5/5 \\
&:= (6 - 6/6) \times 666 - 6/6 \\
&:= 7 + ((77 \times (7 \times 7 - 7) + (77/7)) + 77) \\
&:= 8/8 + 8 \times (8 \times 8 \times 8 - 88 - 8) \\
&:= ((9/9 + 9) \times ((9 + 9) \times (9 + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3330 &:= (1 + 1 + 1) \times (1111 - 1) \\
&:= 222 \times ((22/2 + 2) + 2) \\
&:= 3333 - 3 \\
&:= (4 - 4/4) \times (4444 - 4)/4 \\
&:= (5/5 + 5) \times 555 \\
&:= (6 - 6/6) \times 666 \\
&:= (7 - 7/7) \times (((7777 - 7)/(7 + 7))) \\
&:= (8 + 8)/8 + 8 \times (8 \times 8 \times 8 - 88 - 8) \\
&:= (9/9 + 9) \times ((9 + 9) \times (9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3331 &:= 1 + ((1 + 1 + 1) \times (1111 - 1)) \\
&:= ((2/2 + 2) \times (2222/2)) - 2 \\
&:= 3/3 + (3333 - 3) \\
&:= ((44/4 + 4)^{4-4/4}) - 44 \\
&:= 5/5 + (5/5 + 5) \times 555 \\
&:= 6/6 + (6 - 6/6) \times 666 \\
&:= (7 \times (7 \times (77 - 7) - (7 + 7))) - 7/7 \\
&:= ((8/8 - 8 \times 8) \times (88/8 - 8 \times 8)) - 8 \\
&:= 9/9 + ((9/9 + 9) \times ((9 + 9) \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3332 &:= ((1 + 1 + 1) \times 1111) - 1 \\
&:= 2 + (222 \times ((22/2 + 2) + 2)) \\
&:= 3333 - 3/3 \\
&:= 4 + ((4^4 \times ((4 + 4) + 4)) + 4^4) \\
&:= (5 + 5)/5 + (5/5 + 5) \times 555 \\
&:= (6 + 6)/6 + (6 - 6/6) \times 666 \\
&:= 7 \times (7 \times (77 - 7) - (7 + 7)) \\
&:= (8 - 8/8) \times (88 \times 88/(8 + 8) - 8) \\
&:= (9999/((9 + 9 + 9)/9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3333 &:= (1 + 1 + 1) \times 1111 \\
&:= (2/2 + 2) \times (2222/2) \\
&:= 3333 \\
&:= (4 - 4/4) \times 4444/4 \\
&:= 5^5 + ((5^5 - 5)/(5 + 5 + 5)) \\
&:= 6666 \times 6/(6 + 6) \\
&:= 7/7 + (7 \times (7 \times (77 - 7) - (7 + 7))) \\
&:= (88/8 - 8) \times 8888/8 \\
&:= 9999/((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3334 &:= 1 + ((1 + 1 + 1) \times 1111) \\
&:= (((2/2 + 2) \times 2222) + 2)/2 \\
&:= 3/3 + 3333 \\
&:= 4 + ((4 - 4/4) \times (4444 - 4)/4) \\
&:= 5 + ((5/5 + 5) \times 555 - 5/5) \\
&:= 6/6 + 6666 \times 6/(6 + 6) \\
&:= (7 + 7)/7 + (7 \times (7 \times (77 - 7) - (7 + 7))) \\
&:= 8 + (8 \times (8 \times 8 \times 8 - 88 - 8) - ((8 + 8)/8)) \\
&:= 9/9 + (9999/((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3335 &:= 1 + (1 + ((1 + 1 + 1) \times 1111)) \\
&:= 2 + ((2/2 + 2) \times (2222/2)) \\
&:= 3 + (3333 - 3/3) \\
&:= 4 + (((44/4 + 4)^{4-4/4}) - 44) \\
&:= 5 + (5/5 + 5) \times 555 \\
&:= (6 - 6/6) \times (666 + 6/6) \\
&:= 7 + ((7 - 7/7 + 7) \times (((7 + 7)/7)^{7+7/7})) \\
&:= 8 + (8 \times (8 \times 8 \times 8 - 88 - 8) - 8/8) \\
&:= (9 + 9)/9 + (9999/((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3336 &:= (1 + 1 + 1) \times (1 + 1111) \\
&:= (2/2 + 2) \times ((2222 + 2)/2) \\
&:= 3 + 3333 \\
&:= 4 + (((4^4 \times ((4 + 4) + 4)) + 4^4) + 4) \\
&:= (5/5 + 5) \times (555 + 5/5) \\
&:= 6 + (6 - 6/6) \times 666 \\
&:= (7 - 7/7) \times (((7777 + 7)/(7 + 7))) \\
&:= 8 + 8 \times (8 \times 8 \times 8 - 88 - 8) \\
&:= (9999 + 9)/((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3337 &:= 1 + ((1 + 1 + 1) \times (1 + 1111)) \\
&:= 2 + (((2/2 + 2) \times (2222/2)) + 2) \\
&:= 3 + (3333 + 3/3) \\
&:= 4 + ((4 - 4/4) \times 4444/4) \\
&:= 5^5 + ((55 + 5^5)/(5 + 5 + 5)) \\
&:= 6 + ((6 - 6/6) \times 666 + 6/6) \\
&:= (7 \times 7 - (7 + 7)/7) \times (77 - (7 + 7)/7) \\
&:= 8 + (8 \times (8 \times 8 \times 8 - 88 - 8) + 8/8) \\
&:= 9/9 + ((9999 + 9)/((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3338 &:= 1 + (1 + ((1 + 1 + 1) \times (1 + 1111))) \\
&:= 2 + ((2/2 + 2) \times ((2222 + 2)/2)) \\
&:= 3 + ((3333 - 3/3) + 3) \\
&:= 4 + (((4 - 4/4) \times (4444 - 4)/4) + 4) \\
&:= 5 + (((5^5 - 5)/(5 + 5 + 5)) + 5^5) \\
&:= 6 + ((6 - 6/6) \times 666 + ((6 + 6)/6)) \\
&:= 7 + ((7 \times (7 \times (77 - 7) - (7 + 7))) - 7/7) \\
&:= 8 + (8 \times (8 \times 8 \times 8 - 88 - 8) + ((8 + 8)/8)) \\
&:= 99 + (((9 + 9) \times (99 + 9 \times 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3339 &:= (1 + 1 + 1) \times (1 + (1 + 1111)) \\
&:= (2/2 + 2) \times ((2222/2) + 2) \\
&:= 3 + (3333 + 3) \\
&:= ((4^4 - 4)/4) \times (4^4 - 44)/4 \\
&:= 5 + (((5/5 + 5) \times 555 - 5/5) + 5) \\
&:= 6 + 6666 \times 6/(6 + 6) \\
&:= 7 + (7 \times (7 \times (77 - 7) - (7 + 7))) \\
&:= (8/8 - 8 \times 8) \times (88/8 - 8 \times 8) \\
&:= 99 + ((9 + 9) \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3340 &:= 1 + ((1 + 1 + 1) \times (1 + (1 + 1111))) \\
&:= (2 - 22) \times (2 - ((22/2 + 2)^2)) \\
&:= 3 + ((3333 + 3/3) + 3) \\
&:= (44 \times (4 \times (4 + 4) + 44)) - 4 \\
&:= 5 + ((5/5 + 5) \times 555 + 5) \\
&:= (6 - 6/6) \times (666 + (6 + 6)/6) \\
&:= 7 + ((7 \times (7 \times (77 - 7) - (7 + 7))) + 7/7) \\
&:= 8 + ((8 - 8/8) \times (88 \times 88/(8 + 8) - 8)) \\
&:= 9/9 + (((9 + 9) \times (99 + 9 \times 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3341 &:= 11 + ((1 + 1 + 1) \times (1111 - 1)) \\
&:= 2 + ((2/2 + 2) \times ((2222/2) + 2)) \\
&:= 3 \times 3 + (3333 - 3/3) \\
&:= (4/4 + 4^4) \times ((4/4 + 4 + 4) + 4) \\
&:= 5 + ((5/5 + 5) \times (555 + 5/5)) \\
&:= 6 + ((6 - 6/6) \times (666 + 6/6)) \\
&:= 7 + ((7 \times (7 \times (77 - 7) - (7 + 7))) + ((7 + 7)/7)) \\
&:= 8 + ((88/8 - 8) \times 8888/8) \\
&:= 9 + ((9999/((9 + 9 + 9)/9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3342 &:= (1 + 1 + 1) \times (1 + (1 + (1 + 1111))) \\
&:= (((2 + 2 + 2)^2 + 22)^2) - 22 \\
&:= 3 \times 3 + 3333 \\
&:= (4 - 4/4) \times ((4444 - 4)/4 + 4) \\
&:= (5/5 + 5) \times (555 + (5 + 5)/5) \\
&:= 6 + ((6 - 6/6) \times 666 + 6) \\
&:= (7 - 7/7) \times ((7 \times 77 + (77/7)) + 7) \\
&:= ((8 + 8)/8) \times (88 \times (88/8 + 8) - 8/8) \\
&:= 9 + (9999/((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3343 &:= 11 + (((1 + 1 + 1) \times 1111) - 1) \\
&:= (2 \times (2 \times 22)^2) - ((22 + 2/2)^2) \\
&:= 3 \times 3 + (3333 + 3/3) \\
&:= (44 \times (4 \times (4 + 4) + 44)) - 4/4 \\
&:= 5^5 + (((5 - (5 + 5)/5)^5) - 5 \times 5) \\
&:= 6 + (((6 - 6/6) \times 666 + 6/6) + 6) \\
&:= 77/7 + (7 \times (7 \times (77 - 7) - (7 + 7))) \\
&:= ((88/8 + 8) \times (88 + 88)) - 8/8 \\
&:= 9 + ((9999/(9 + 9 + 9)/9)) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3344 &:= 11 + ((1 + 1 + 1) \times 1111) \\
&:= 2 \times (2 \times (22 \times ((2 + 2 + 2)^2 + 2))) \\
&:= 33/3 + 3333 \\
&:= 44 \times (4 \times (4 + 4) + 44) \\
&:= 5^5 + (5 \times 55 - (55 + 5/5)) \\
&:= 66/6 + 6666 \times 6/(6 + 6) \\
&:= (7/7 - 77) \times (7 - ((7 + 7)/7 + 7 \times 7)) \\
&:= (88/8 + 8) \times (88 + 88) \\
&:= 99/9 + (9999/((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3345 &:= 1 + (11 + ((1 + 1 + 1) \times 1111)) \\
&:= (2/2 + 2) \times (((2222/2) + 2) + 2) \\
&:= 3 + (3333 + 3 \times 3) \\
&:= 4/4 + (44 \times (4 \times (4 + 4) + 44)) \\
&:= 5^5 + (55 \times (5 - 5/5)) \\
&:= 6 + (6666 \times 6/(6 + 6) + 6) \\
&:= 777/7 + 77 \times (7 \times 7 - 7) \\
&:= 8/8 + ((88/8 + 8) \times (88 + 88)) \\
&:= 9 + ((9999 + 9)/((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3346 &:= 1 + (1 + (11 + ((1 + 1 + 1) \times 1111))) \\
&:= 2 + ((2 + 2 + 2)^{2+2} + 2^{22/2}) \\
&:= 3 + ((3333 + 3 \times 3) + 3/3) \\
&:= (4 + 4)/4 + (44 \times (4 \times (4 + 4) + 44)) \\
&:= 5^5 + ((55 \times (5 - 5/5)) + 5/5) \\
&:= 6 + ((6 - 6/6) \times (666 + (6 + 6)/6)) \\
&:= 7 \times 7 \times (77 - 7) - 77 - 7 \\
&:= (8 + 8)/8 + ((88/8 + 8) \times (88 + 88)) \\
&:= 9 + (((9999 + 9)/((9 + 9 + 9)/9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3347 &:= 11 + ((1 + 1 + 1) \times (1 + 1111)) \\
&:= 2 + ((2/2 + 2) \times (((2222/2) + 2) + 2)) \\
&:= 3 + (3333 + 33/3) \\
&:= 4 + ((44 \times (4 \times (4 + 4) + 44)) - 4/4) \\
&:= 5^5 + ((5 + 5)/5 \times 555/5) \\
&:= 6 + (((6 - 6/6) \times (666 + 6/6)) + 6) \\
&:= 7/7 + (7 \times 7 \times (77 - 7) - (77 + 7)) \\
&:= 8 + ((8/8 - 8 \times 8) \times (88/8 - 8 \times 8)) \\
&:= (((9 + 9)/9)^9) + (9 \times ((9 + 9) \times (9 + 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3348 &:= 1 + (11 + ((1 + 1 + 1) \times (1 + 1111))) \\
&:= 2 \times (2 \times (22 \times ((2 + 2 + 2)^2 + 2))) + 2) \\
&:= 3 \times (33 \times 33 + 3^3) \\
&:= 4 + (44 \times (4 \times (4 + 4) + 44)) \\
&:= 5 + (((5 - (5 + 5)/5)^5) - 5 \times 5) + 5^5 \\
&:= 6 \times (666 - 6 \times (6 + 6 + 6)) \\
&:= (7 + 7)/7 + (7 \times 7 \times (77 - 7) - (77 + 7)) \\
&:= (8 \times 8 - ((8 + 8)/8)) \times ((8 - 88)/8 + 8 \times 8) \\
&:= 9 + (((9 + 9) \times (99 + 9 \times 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3349 &:= 1 + (1 + (11 + ((1 + 1 + 1) \times (1 + 1111)))) \\
&:= 22 + ((2/2 + 2) \times ((2222/2) - 2)) \\
&:= 3^3 + (3333 - 33/3) \\
&:= 4 + ((44 \times (4 \times (4 + 4) + 44)) + 4/4) \\
&:= 5^5 + ((5 - 5/5) \times (55 + 5/5)) \\
&:= 6/6 + (6 \times (666 - 6 \times (6 + 6 + 6))) \\
&:= ((77 - 7) \times (7 \times 7 - 7/7)) - 77/7 \\
&:= 8 + (((88/8 - 8) \times 8888/8) + 8) \\
&:= ((9 - 9/9) + 9) \times ((99 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3350 &:= 11 + ((1 + 1 + 1) \times (1 + (1 + 1111))) \\
&:= 22 + ((2/2 + 2) \times 2^{2 \times (2+2)}) \\
&:= 3 + ((3333 + 33/3) + 3) \\
&:= 4 + ((44 \times (4 \times (4 + 4) + 44)) + (4 + 4)/4) \\
&:= 5^5 + 5 \times (55 - 5 - 5) \\
&:= (6 - 6/6) \times ((666 - ((6 + 6)/6)) + 6) \\
&:= ((77 - 7)/7) \times (7 \times 7 \times 7 - (7/7 + 7)) \\
&:= 8 + (((8 + 8)/8) \times (88 \times (88/8 + 8) - 8/8)) \\
&:= (9/9 + 9) \times ((9 + 9) \times (9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3351 &:= 1 + (11 + ((1 + 1 + 1) \times (1 + (1 + 1111)))) \\
&:= (((2 \times 2 \times (22 - 2)) + 2)^2) - 22/2 \\
&:= (3 \times (3 + 3)) + 3333 \\
&:= 4 + (((44 \times (4 \times (4 + 4) + 44)) - 4/4) + 4) \\
&:= 5^5 + (5 \times (55 - 5 - 5) + 5/5) \\
&:= (6666 + 6 \times 6)/((6 + 6)/6) \\
&:= 7 \times 7 \times (77 - 7) - ((7 + 7)/7 + 77) \\
&:= 8 + (((88/8 + 8) \times (88 + 88)) - 8/8) \\
&:= 9 + ((9999/(9 + 9 + 9)/9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3352 &:= 11 + (11 + ((1 + 1 + 1) \times (1111 - 1))) \\
&:= 2 \times (2 \times (22 \times ((2 + 2 + 2)^2 + 2)) + 2) \\
&:= 3/3 + (3333 + (3 \times (3 + 3))) \\
&:= 4 + ((44 \times (4 \times (4 + 4) + 44)) + 4) \\
&:= 5 + (((5 + 5)/5 \times 555/5) + 5^5) \\
&:= (((6 + 6)/6)^6 - 6)^{(6+6)/6} - 6 - 6 \\
&:= 7 \times 7 \times (77 - 7) - 7/7 - 77 \\
&:= 8 + ((88/8 + 8) \times (88 + 88)) \\
&:= ((999 + 9)/9) + ((9 + 9) \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3353 &:= 11 + ((1 + 1 + 1) \times (1 + (1 + (1 + 1111)))) \\
&:= (((2 + 2 + 2)^2 + 22)^2) - 22/2 \\
&:= 3 \times 3 + (3333 + 33/3) \\
&:= 4 + (((44 \times (4 \times (4 + 4) + 44)) + 4/4) + 4) \\
&:= 55 + (55 \times (55 + 5) - ((5 + 5)/5)) \\
&:= (6 - 6/6) \times (666 + 6) - 6/6 - 6 \\
&:= 7 \times 7 \times (77 - 7) - 77 \\
&:= 8 + (((88/8 + 8) \times (88 + 88)) + 8/8) \\
&:= ((9/9 + 9 \times 9) \times ((9 \times 9 \times 9 + 9)/(9 + 9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3354 &:= 11 + (11 + (((1 + 1 + 1) \times 1111) - 1)) \\
&:= (22/2 + 2) \times (2^{2 \times (2+2)} + 2) \\
&:= 3 + (3333 + (3 \times (3 + 3))) \\
&:= ((4/4 + 4 + 4) + 4) \times ((4 + 4)/4 + 4^4) \\
&:= 55 + (55 \times (55 + 5) - 5/5) \\
&:= (6 - 6/6) \times (666 + 6) - 6 \\
&:= 7/7 + (7 \times 7 \times (77 - 7) - 77) \\
&:= (88/8 - 8) \times ((8888 - 8)/8 + 8) \\
&:= 9 + (((9999 + 9)/((9 + 9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3355 &:= 11 + (11 + ((1 + 1 + 1) \times 1111)) \\
&:= 22 + ((2/2 + 2) \times (2222/2)) \\
&:= 33 + (3333 - 33/3) \\
&:= 44/4 + (44 \times (4 \times (4 + 4) + 44)) \\
&:= 55 + 55 \times (55 + 5) \\
&:= (6 - 6/6) \times ((666 - 6/6) + 6) \\
&:= (7 + 7)/7 + (7 \times 7 \times (77 - 7) - 77) \\
&:= 8 + (((8/8 - 8 \times 8) \times (88/8 - 8 \times 8)) + 8) \\
&:= 99/9 \times (((99 \times (9 + 9 + 9) - 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3356 &:= 1 + (11 + (11 + ((1 + 1 + 1) \times 1111))) \\
&:= 2 + ((22/2 + 2) \times (2^{2 \times (2+2)} + 2)) \\
&:= 3^3 + (3333 - (3/3 + 3)) \\
&:= 4444 - (4 \times (4 \times 4 + 4^4)) \\
&:= 55 + (55 \times (55 + 5) + 5/5) \\
&:= 6 + ((6 - 6/6) \times ((666 - ((6 + 6)/6)) + 6)) \\
&:= 7 + (((77 - 7) \times (7 \times 7 - 7/7)) - (77/7)) \\
&:= (((((8 + 8)/8) - 8) + 8 \times 8)^{(8+8)/8}) - 8 \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9) - 9)) + ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3357 &:= (1 + 1 + 1) \times (((11 - 1) \times (1 + 1111)) - 1) \\
&:= 2 + (((2/2 + 2) \times (2222/2)) + 22) \\
&:= 3^3 + (3333 - 3) \\
&:= (4 - 4/4) \times (4444/4 + 4 + 4) \\
&:= 55 + (55 \times (55 + 5) + ((5 + 5)/5)) \\
&:= 6 + ((6666 + 6 \times 6)/((6 + 6)/6)) \\
&:= (((7 + 7)/7 + 7 \times 7) + 7)^{(7+7)/7} - 7 \\
&:= (88/8 - 8) \times (8888/8 + 8) \\
&:= 9 \times (((9 \times 9 \times 9 \times 9 - 9)/(9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3358 &:= 1 + ((1 + 1 + 1) \times (((11 - 1) \times (1 + 111)) - 1)) \\
&:= 2 \times (((2 \times (22 - 2) + 2/2)^2) - 2) \\
&:= 3^3 + ((3333 - 3) + 3/3) \\
&:= 4 + (((4/4 + 4 + 4) + 4) \times ((4 + 4)/4 + 4^4)) \\
&:= 5^5 + (((5 - (5 + 5)/5)^5) - (5 + 5)) \\
&:= (((6 + 6)/6)^6 - 6)^{(6+6)/6} - 6 \\
&:= ((77 - 7) \times (7 \times 7 - 7/7)) - (7 + 7)/7 \\
&:= 8/8 + ((88/8 - 8) \times (8888/8 + 8)) \\
&:= 9 + (((9 - 9/9) + 9) \times ((99 - 9/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3359 &:= ((11 - 1) \times ((1 + 1 + 1) \times (1 + 111))) - 1 \\
&:= (((((2 \times 2 \times (22 - 2)) + 2)^2) - 2)/2) - 2 \\
&:= 3^3 + (3333 - 3/3) \\
&:= ((44/4 + 4)^{4-4/4}) - 4 \times 4 \\
&:= ((5/5 + 5) \times (555 + 5)) - 5/5 \\
&:= (6 - 6/6) \times (666 + 6) - 6/6 \\
&:= ((77 - 7) \times (7 \times 7 - 7/7)) - 7/7 \\
&:= ((8 - 8/8 + 8)^{88/8-8}) - 8 - 8 \\
&:= 9 + ((9/9 + 9) \times ((9 + 9) \times (9 + 9) + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3360 &:= (11 - 1) \times ((1 + 1 + 1) \times (1 + 111)) \\
&:= 2 \times (2 \times ((2 - 22) \times (2 - (2 \times 22)))) \\
&:= 3^3 + 3333 \\
&:= 4 \times (4 \times (4^4 - 44) - (4 + 4)) \\
&:= (5/5 + 5) \times (555 + 5) \\
&:= (6 - 6/6) \times (666 + 6) \\
&:= (77 - 7) \times (7 \times 7 - 7/7) \\
&:= 8 \times (88 \times 88 / (8 + 8) - 8 \times 8) \\
&:= ((9 + 9 + 9)/9) \times (9999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3361 &:= 1 + ((11 - 1) \times ((1 + 1 + 1) \times (1 + 111))) \\
&:= (((((2 \times 2 \times (22 - 2)) + 2)^2) - 2)/2) \\
&:= 3^3 + (3333 + 3/3) \\
&:= 4/4 + (4 \times (4 \times (4^4 - 44) - (4 + 4))) \\
&:= 5^5 + (555/5 + 5 \times 5 \times 5) \\
&:= 6/6 + (6 - 6/6) \times (666 + 6) \\
&:= 7/7 + ((77 - 7) \times (7 \times 7 - 7/7)) \\
&:= 8/8 + (8 \times (88 \times 88 / (8 + 8) - 8 \times 8)) \\
&:= 9 \times 9 + ((9 \times 9 \times 9 - 9/9) / ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3362 &:= ((1 + (11 - 1 - 1)^{1+1})^{1+1}) / (1 + 1) \\
&:= 2 \times ((2 \times (22 - 2) + 2/2)^2) \\
&:= 3 + ((3333 - 3/3) + 3^3) \\
&:= (4 + 4)/4 + (4 \times (4 \times (4^4 - 44) - (4 + 4))) \\
&:= 5^5 + ((555 + 5)/5 + 5 \times 5 \times 5) \\
&:= (6 + 6)/6 + (6 - 6/6) \times (666 + 6) \\
&:= ((7 + 7)/7)^7 + 77 \times (7 \times 7 - 7) \\
&:= 8 + ((88/8 - 8) \times ((8888 - 8)/8 + 8)) \\
&:= (9/9 + 9 \times 9) \times ((9 \times 9 \times 9 + 9) / (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3363 &:= (1 + 1 + 1) \times (11 + (1111 - 1)) \\
&:= (((2 + 2 + 2)^2 + 22)^2) - 2/2 \\
&:= 3 + (3333 + 3^3) \\
&:= 4 + (((44/4 + 4)^{4-4/4}) - 4 \times 4) \\
&:= 5^5 + (((5 - (5 + 5)/5)^5) - 5) \\
&:= 6 \times 6 + (6666 \times 6 / (6 + 6) - 6) \\
&:= (7 + 7) \times (77 + 7) + ((7 + 7 + 7)/7)^7 \\
&:= (88/8 + 8) \times ((88 + 88) + 8/8) \\
&:= 99 + ((99 \times 99 - 9) / ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3364 &:= (1 + 1 + (1 + 111) / (1 + 1))^{1+1} \\
&:= ((2 + 2 + 2)^2 + 22)^2 \\
&:= (3 \times 3 + 3 + 3)^3 - 33/3 \\
&:= 4 + (4 \times (4 \times (4^4 - 44) - (4 + 4))) \\
&:= 5^5 + (5 \times 5 \times (5 + 5) - (55/5)) \\
&:= (((6 + 6)/6)^6 - 6)^{(6+6)/6} \\
&:= (((7 + 7)/7 + 7 \times 7) + 7)^{(7+7)/7} \\
&:= (((8 + 8)/8) - 8) + 8 \times 8^{(8+8)/8} \\
&:= (((9 \times 99 - 9) / (9 + 9)) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3365 &:= ((1 + 1 + 1) \times (11 + 1111)) - 1 \\
&:= 2/2 + (((2 + 2 + 2)^2 + 22)^2) \\
&:= 33 + (3333 - 3/3) \\
&:= 4^4 + (((4/4 + 4)^{4+4/4}) - 4 \times 4) \\
&:= 5 + ((5/5 + 5) \times (555 + 5)) \\
&:= (6 - 6/6) \times (666 + 6/6 + 6) \\
&:= 7 + (((77 - 7) \times (7 \times 7 - 7/7)) - ((7 + 7)/7)) \\
&:= 8 + ((88/8 - 8) \times (8888/8 + 8)) \\
&:= (((9 - 9/9) + 9) \times (99 + 99)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3366 &:= (1 + 1 + 1) \times (11 + 1111) \\
&:= 2 + (((2 + 2 + 2)^2 + 22)^2) \\
&:= 33 + 3333 \\
&:= (4 - 4/4) \times (4444 + 44)/4 \\
&:= (5/5 + 5) \times ((555 + 5/5) + 5) \\
&:= 6 + (6 - 6/6) \times (666 + 6) \\
&:= 7 + (((77 - 7) \times (7 \times 7 - 7/7)) - 7/7) \\
&:= (88/8 - 8) \times ((8888 + 88)/8) \\
&:= ((9 - 9/9) + 9) \times (99 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3367 &:= 1 + ((1 + 1 + 1) \times (11 + 1111)) \\
&:= 2 + (((2 + 2 + 2)^2 + 22)^2) + 2/2 \\
&:= 3/3 + (3333 + 33) \\
&:= ((44/4 + 4)^{4-4/4}) - 4 - 4 \\
&:= 5^5 + (((5 - (5 + 5)/5)^5) - 5/5) \\
&:= 6 + ((6 - 6/6) \times (666 + 6) + 6/6) \\
&:= 7 + ((77 - 7) \times (7 \times 7 - 7/7)) \\
&:= ((8 - 8/8 + 8)^{88/8-8}) - 8 \\
&:= 9/9 + (((9 - 9/9) + 9) \times (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3368 &:= 1 + (1 + ((1 + 1 + 1) \times (11 + 1111))) \\
&:= 2 + (((2 + 2 + 2)^2 + 22)^2) + 2 \\
&:= 3 + ((3333 - 3/3) + 33) \\
&:= (4 \times (4 \times (4^4 - 44) - 4)) - 4 - 4 \\
&:= 5^5 + ((5 - (5 + 5)/5)^5) \\
&:= 6 + ((6 - 6/6) \times (666 + 6) + ((6 + 6)/6)) \\
&:= ((7/7 + 7 + 7)^{(7+7+7)/7}) - 7 \\
&:= (8 \times (8 \times 8 \times 8 - 88)) - 8 - 8 - 8 \\
&:= (9 + 9)/9 + (((9 - 9/9) + 9) \times (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3369 &:= (1 + 1 + 1) \times (1 + (11 + 1111)) \\
&:= 2 + (((((2 + 2 + 2)^2 + 22)^2) + 2/2) + 2) \\
&:= 3 + (3333 + 33) \\
&:= 4 + (((4/4 + 4)^{4+4/4}) - 4 \times 4) + 4^4 \\
&:= 5^5 + (((5 - (5 + 5)/5)^5) + 5/5) \\
&:= 6 \times 6 + 6666 \times 6 / (6 + 6) \\
&:= 7 + (77 \times (7 \times 7 - 7) + ((7 + 7)/7)^7) \\
&:= 8/8 + ((8 \times (8 \times 8 \times 8 - 88)) - (8 + 8 + 8)) \\
&:= 9 + (((9 + 9 + 9)/9) \times (9999/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3370 &:= 1 + ((1 + 1 + 1) \times (1 + (11 + 1111))) \\
&:= 2 + (((((2 + 2 + 2)^2 + 22)^2) + 2) + 2) \\
&:= 3 + ((3333 + 33) + 3/3) \\
&:= (44 - 4)/4 \times ((4 - 4/4)^4 + 4^4) \\
&:= 5^5 + (5 \times 5 \times (5 + 5) - 5) \\
&:= 6 + (((6 + 6)/6)^6 - 6)^{(6+6)/6} \\
&:= (7 \times (7 \times (77 - 7) - 7)) - 77/7 \\
&:= (8 \times (8 \times 8 \times 8 - 88)) - (88 + 88)/8 \\
&:= (9/9 + 9) \times (((9 + 9)/9)^{9-9/9} + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3371 &:= 1 + (1 + ((1 + 1 + 1) \times (1 + (11 + 1111)))) \\
&:= (((22/2 + 2) + 2)^{2/2+2}) - 2 - 2 \\
&:= (3 \times 3 + 3 + 3)^3 - (3/3 + 3) \\
&:= ((44/4 + 4)^{4-4/4}) - 4 \\
&:= 5^5 + ((5 \times 5 \times (5 + 5) - 5) + 5/5) \\
&:= 6 + ((6 - 6/6) \times (666 + 6/6 + 6)) \\
&:= 7 + (((7 + 7)/7 + 7 \times 7) + 7)^{(7+7)/7} \\
&:= 8 + ((88/8 + 8) \times ((88 + 88) + 8/8)) \\
&:= 9 + ((9/9 + 9 \times 9) \times ((9 \times 9 \times 9 + 9) / (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3372 &:= (1 + 1 + 1) \times (1 + (1 + (11 + 1111))) \\
&:= 2 \times ((2 \times (2 \times ((22 - 2)^2 + 22))) - 2) \\
&:= (3 \times 3 + 3 + 3)^3 - 3 \\
&:= (4 \times (4 \times (4^4 - 44) - 4)) - 4 \\
&:= 5 + (((5 - (5 + 5)/5)^5) - 5/5) + 5^5 \\
&:= 6 + ((6 - 6/6) \times (666 + 6) + 6) \\
&:= (7 \times (7 \times (77 - 7) - 7)) - ((7 + 7)/7 + 7) \\
&:= 8 + (((8 + 8)/8) - 8) + 8 \times 8^{(8+8)/8} \\
&:= (((99 + 9)/9 + 9) \times (9 \times (9 + 9) - 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3373 &:= ((1+1+1+1+11)^{1+1+1}) - 1 - 1 \\
&:= (((22/2+2)+2)^{2/2+2}) - 2 \\
&:= 3/3 + ((3 \times 3 + 3 + 3)^3 - 3) \\
&:= 4/4 + ((4 \times (4 \times (4^4 - 44) - 4)) - 4) \\
&:= 5 + (((5 - (5+5)/5)^5) + 5^5) \\
&:= ((6+6) \times (6 \times 6 \times 6 + 66)) - 66/6 \\
&:= (7 \times (7 \times (77 - 7) - 7)) - (7/7 + 7) \\
&:= (8 \times (8 \times 8 \times 8 - 88)) - (88/8 + 8) \\
&:= 9 + (((9 \times 99 - 9)/(9+9)) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3374 &:= ((1+1+1+1+11)^{1+1+1}) - 1 \\
&:= 2222 + (2 \times ((22+2)^2)) \\
&:= (3 \times 3 + 3 + 3)^3 - 3/3 \\
&:= ((44/4+4)^{4-4/4}) - 4/4 \\
&:= 5^5 + (5 \times 5 \times (5+5) - 5/5) \\
&:= (6 - 66)/6 + ((6+6) \times (6 \times 6 \times 6 + 66)) \\
&:= (7 \times (7 \times (77 - 7) - 7)) - 7 \\
&:= ((8 - 8/8 + 8)^{88/8-8}) - 8/8 \\
&:= 9 + (((9 - 9/9) + 9) \times (99 + 99)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3375 &:= (1+1+1+1+11)^{1+1+1} \\
&:= ((22/2+2)+2)^{2/2+2} \\
&:= (3 \times 3 + 3 + 3)^3 \\
&:= (44/4+4)^{4-4/4} \\
&:= 5^5 + 5 \times 5 \times (5+5) \\
&:= 6 + (6666 \times 6/(6+6) + 6 \times 6) \\
&:= (7/7 + 7 + 7)^{(7+7+7)/7} \\
&:= (8 - 8/8 + 8)^{88/8-8} \\
&:= 9 + (((9 - 9/9) + 9) \times (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3376 &:= 1 + ((1+1+1+1+11)^{1+1+1}) \\
&:= 2 \times (2 \times (2 \times ((22-2)^2 + 22))) \\
&:= 3/3 + (3 \times 3 + 3 + 3)^3 \\
&:= 4 \times (4 \times (4^4 - 44) - 4) \\
&:= 5^5 + (5 \times 5 \times (5+5) + 5/5) \\
&:= 6 + (((6+6)/6)^6 - 6)^{(6+6)/6} + 6 \\
&:= 7/7 + ((7/7 + 7 + 7)^{(7+7+7)/7}) \\
&:= (8 \times (8 \times 8 \times 8 - 88)) - 8 - 8 \\
&:= (9 - 9/9) \times (((9+9)/9)^9) - 99 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3377 &:= 1 + (1 + ((1+1+1+1+11)^{1+1+1})) \\
&:= 2 + (((22/2+2)+2)^{2/2+2}) \\
&:= 3 + ((3 \times 3 + 3 + 3)^3 - 3/3) \\
&:= 4/4 + (4 \times (4 \times (4^4 - 44) - 4)) \\
&:= 5^5 + (5 \times 5 \times (5+5) + ((5+5)/5)) \\
&:= 6 \times (6 \times 6 + 6) + ((6 - 6/6)^{6-6/6}) \\
&:= 7 + ((7 \times (7 \times (77 - 7) - 7)) - (77/7)) \\
&:= 8/8 + ((8 \times (8 \times 8 \times 8 - 88)) - (8 + 8)) \\
&:= 99/9 + (((9 - 9/9) + 9) \times (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3378 &:= (1+1)^{11} + (11^{1+1+1} - 1) \\
&:= ((22 - 2) \times ((22/2 + 2)^2)) - 2 \\
&:= 3 + (3 \times 3 + 3 + 3)^3 \\
&:= 4 + (((44/4 + 4)^{4-4/4}) - 4/4) \\
&:= 5 + (((5 - (5+5)/5)^5) + 5^5) + 5 \\
&:= ((6+6) \times (6 \times 6 \times 6 + 66)) - 6 \\
&:= (7 \times (7 \times (77 - 7) - 7)) - (7 + 7 + 7)/7 \\
&:= (8 + 8)/8 + ((8 \times (8 \times 8 \times 8 - 88)) - (8 + 8)) \\
&:= 9 + (((9 + 9 + 9)/9) \times (9999/9 + 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3379 &:= (1+1)^{11} + 11^{1+1+1} \\
&:= 2 + (((22/2+2)+2)^{2/2+2}) + 2 \\
&:= 3 + ((3 \times 3 + 3 + 3)^3 + 3/3) \\
&:= 4 + ((44/4+4)^{4-4/4}) \\
&:= 5 + ((5 \times 5 \times (5+5) - 5/5) + 5^5) \\
&:= 6/6 + (((6+6) \times (6 \times 6 \times 6 + 66)) - 6) \\
&:= (7 \times (7 \times (77 - 7) - 7)) - (7 + 7)/7 \\
&:= (8 \times (8 \times 8 \times 8 - 88)) - (88 + 8 + 8)/8 \\
&:= 99 + ((9 \times 9 \times 9 - 9/9)/(9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3380 &:= 1 + ((1+1)^{11} + 11^{1+1+1}) \\
&:= (22 - 2) \times ((22/2 + 2)^2) \\
&:= 3 + (((3 \times 3 + 3 + 3)^3 - 3/3) + 3) \\
&:= 4 + (4 \times (4 \times (4^4 - 44) - 4)) \\
&:= 5 + (5 \times 5 \times (5+5) + 5^5) \\
&:= (6 - 6/6) \times ((66 - 6)/6 + 666) \\
&:= (7 \times (7 \times (77 - 7) - 7)) - 7/7 \\
&:= (8/8 + 8 \times 8) \times ((88/((8+8)/8)) + 8) \\
&:= 99 + ((9 \times 9 \times 9 + 9/9)/(9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3381 &:= 1 + (1 + ((1+1)^{11} + 11^{1+1+1})) \\
&:= 2/2 + ((22 - 2) \times ((22/2 + 2)^2)) \\
&:= 3 + ((3 \times 3 + 3 + 3)^3 + 3) \\
&:= 4^4 + ((4/4 + 4)^{4+4/4}) \\
&:= 5^5 + ((5 - 5/5)^{5-5/5}) \\
&:= 6 + ((6666 \times 6/(6+6) + 6 \times 6) + 6) \\
&:= 7 \times (7 \times (77 - 7) - 7) \\
&:= (8 \times (8 \times 8 \times 8 - 88)) - 88/8 \\
&:= ((99 + 9)/9 + 9) \times (9 \times (9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3382 &:= 1 + (1 + (1 + ((1+1)^{11} + 11^{1+1+1}))) \\
&:= 2 + ((22 - 2) \times ((22/2 + 2)^2)) \\
&:= 3 + (((3 \times 3 + 3 + 3)^3 + 3/3) + 3) \\
&:= 4/4 + (((44/4 + 4)^{4+4/4}) + 4^4) \\
&:= 5^5 + ((5^5 - 5)/(5+5) - 55) \\
&:= ((6+6) \times (6 \times 6 \times 6 + 66)) - (6+6)/6 \\
&:= 7/7 + (7 \times (7 \times (77 - 7) - 7)) \\
&:= (8 - 88)/8 + (8 \times (8 \times 8 \times 8 - 88)) \\
&:= (9/9 + 9 + 9) \times ((99 - ((9+9)/9)) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3383 &:= 1 + (1 + (1 + (1 + ((1+1)^{11} + 11^{1+1+1})))) \\
&:= 2 + (((22 - 2) \times ((22/2 + 2)^2)) + 2/2) \\
&:= 3 \times 3 + ((3 \times 3 + 3 + 3)^3 - 3/3) \\
&:= 4 + (((44/4 + 4)^{4-4/4}) + 4) \\
&:= 5^5 + ((5^5 + 5)/(5+5) - 55) \\
&:= ((6+6) \times (6 \times 6 \times 6 + 66)) - 6/6 \\
&:= (7 + 7)/7 + (7 \times (7 \times (77 - 7) - 7)) \\
&:= 8 + ((8 - 8/8 + 8)^{88/8-8}) \\
&:= ((9 - 9/9) + 9) \times ((9/9 + 99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3384 &:= 11 + (((1+1+1+1+11)^{1+1+1}) - (1+1)) \\
&:= (2 \times ((2 \times 22)^2 - 2)) - 22^2 \\
&:= 3 \times 3 + (3 \times 3 + 3 + 3)^3 \\
&:= (4 \times 4 \times (4^4 - 44)) - 4 - 4 \\
&:= 5^5 + (5 \times 55 - (55/5 + 5)) \\
&:= (6+6) \times (6 \times 6 \times 6 + 66) \\
&:= (7/7 + 7) \times ((77 \times 77 - 7)/(7+7)) \\
&:= (8 \times (8 \times 8 \times 8 - 88)) - 8 \\
&:= (9 + 9) \times (((9 \times 9 - 9/9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3385 &:= 11 + (((1+1+1+1+11)^{1+1+1}) - 1) \\
&:= (((22^2 \times (2^{2+2} - 2)) - 2)/2) - 2 \\
&:= 3 \times 3 + ((3 \times 3 + 3 + 3)^3 + 3/3) \\
&:= 4 + (((4/4 + 4)^{4+4/4}) + 4^4) \\
&:= 5 + ((5 \times 5 \times (5+5) + 5^5) + 5) \\
&:= 6/6 + ((6+6) \times (6 \times 6 \times 6 + 66)) \\
&:= 77/7 + ((7 \times (7 \times (77 - 7) - 7)) - 7) \\
&:= 8/8 + ((8 \times (8 \times 8 \times 8 - 88)) - 8) \\
&:= 9 + ((9 - 9/9) \times (((9+9)/9)^9) - 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3386 &:= 11 + ((1+1+1+1+11)^{1+1+1}) \\
&:= 22 + (((2+2+2)^2 + 22)^2) \\
&:= 33/3 + (3 \times 3 + 3 + 3)^3 \\
&:= 44/4 + ((44/4 + 4)^{4-4/4}) \\
&:= 5 + (((5 - 5/5)^{5-5/5}) + 5^5) \\
&:= (6+6)/6 + ((6+6) \times (6 \times 6 \times 6 + 66)) \\
&:= 7 + ((7 \times (7 \times (77 - 7) - 7)) - ((7+7)/7)) \\
&:= (8+8)/8 + ((8 \times (8 \times 8 \times 8 - 88)) - 8) \\
&:= 9 + (((9 - 9/9) + 9) \times (99 + 99)) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3387 &:= 1 + (11 + ((1+1+1+1+11)^{1+1+1})) \\
&:= ((22^2 \times (2^{2+2} - 2)) - 2)/2 \\
&:= 3 + ((3 \times 3 + 3 + 3)^3 + 3 \times 3) \\
&:= (4 \times 4 \times (4^4 - 44)) - (4/4 + 4) \\
&:= 5 + (((5^5 - 5)/(5+5) - 55) + 5^5) \\
&:= 6 \times 6 + ((6666 + 6 \times 6)/(6+6)/6) \\
&:= 7 + ((7 \times (7 \times (77 - 7) - 7)) - 7/7) \\
&:= 88/8 + ((8 \times (8 \times 8 \times 8 - 88)) - (8 + 8)) \\
&:= ((9 + 9 + 9)/9) \times ((9999/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3388 &:= (1+1) \times (11 \times (11 \times (1+(1+1+11)))) \\
&:= 22^2 \times ((2/2+2+2)+2) \\
&:= (33/3+3) \times ((3^{3+3}-3)/3) \\
&:= 44 \times ((4-4/4)^4-4) \\
&:= 5^5 + (5 \times 55 - ((55+5)/5)) \\
&:= 6 + (((6+6) \times (6 \times 6 \times 6+66)) - ((6+6)/6)) \\
&:= 7 + (7 \times (7 \times (77-7) - 7)) \\
&:= (8-8/8) \times 88 \times 88 / (8+8) \\
&:= 99/9 \times ((99/9) \times ((9/9+9+9)+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3389 &:= 1 + ((1+1) \times (11 \times (11 \times (1+(1+1+11)))))) \\
&:= ((22^2 \times (2^{2+2}-2)) + 2)/2 \\
&:= 3 + ((3 \times 3 + 3 + 3)^3 + 33/3) \\
&:= 4/4 + (44 \times ((4-4/4)^4-4)) \\
&:= 5^5 + (5 \times 55 - (55/5)) \\
&:= 6 + (((6+6) \times (6 \times 6 \times 6+66)) - 6/6) \\
&:= 7 + ((7 \times (7 \times (77-7) - 7)) + 7/7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 88)) - (88/8)) \\
&:= 9 + (((9 \times 9 \times 9 + 9/9)/(9+9)/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3390 &:= 11 + ((1+1)^{11} + 11^{1+1+1}) \\
&:= 2 + (22^2 \times ((2/2+2+2)+2)) \\
&:= 3 + (((3 \times 3 + 3 + 3)^3 + 3 \times 3) + 3) \\
&:= (4 \times 4 \times (4^4-44)) - (4+4)/4 \\
&:= 5^5 + (5 \times 55 - (5+5)) \\
&:= 6 + ((6+6) \times (6 \times 6 \times 6+66)) \\
&:= 7 + ((7 \times (7 \times (77-7) - 7)) + ((7+7)/7)) \\
&:= (8 \times (8 \times 8 \times 8 - 88)) - (8+8)/8 \\
&:= 9 + (((99+9)/9+9) \times (9 \times (9+9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3391 &:= 1 + (11 + ((1+1)^{11} + 11^{1+1+1})) \\
&:= 2 + (((22^2 \times (2^{2+2}-2)) + 2)/2) \\
&:= 3 + ((33/3+3) \times ((3^{3+3}-3)/3)) \\
&:= (4 \times 4 \times (4^4-44)) - 4/4 \\
&:= 5^5 + ((5 \times 55 - (5+5)) + 5/5) \\
&:= 6 + (((6+6) \times (6 \times 6 \times 6+66)) + 6/6) \\
&:= ((77-7)/7) + (7 \times (7 \times (77-7) - 7)) \\
&:= (8 \times (8 \times 8 \times 8 - 88)) - 8/8 \\
&:= (9+9) \times ((99+9 \times 9) + 9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3392 &:= (1+1)^{11} + ((1+11) \times (1+111)) \\
&:= (2 \times ((2 \times 22)^2 + 2)) - 22^2 \\
&:= 3 \times (3+3)^3 + ((33/3+3)^3) \\
&:= 4 \times 4 \times (4^4-44) \\
&:= ((5+5)/5)^5 \times (555/5-5) \\
&:= ((6+6)/6)^6 \times ((66/6+6 \times 6) + 6) \\
&:= 77/7 + (7 \times (7 \times (77-7) - 7)) \\
&:= 8 \times (8 \times 8 \times 8 - 88) \\
&:= (9+9) \times ((99+9 \times 9) + 9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3393 &:= 1 + ((1+1)^{11} + ((1+11) \times (1+111))) \\
&:= 2 + (((22^2 \times (2^{2+2}-2)) + 2)/2) + 2 \\
&:= 3 \times ((3^3 \times (3 \times 3 + 33)) - 3) \\
&:= 4/4 + (4 \times 4 \times (4^4-44)) \\
&:= 5 \times 5 + (((5-5+5)/5)^5) + 5^5 \\
&:= 66 + (6666 \times 6 / (6+6) - 6) \\
&:= (77+7)/7 + (7 \times (7 \times (77-7) - 7)) \\
&:= 8/8 + (8 \times (8 \times 8 \times 8 - 88)) \\
&:= ((9+9) \times ((99+9 \times 9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3394 &:= 1 + (1 + ((1+1)^{11} + ((1+11) \times (1+111)))) \\
&:= 2 + ((2 \times ((2 \times 22)^2 + 2)) - 22^2) \\
&:= ((3/3+3)^3) + (3333-3) \\
&:= (4+4)/4 + (4 \times 4 \times (4^4-44)) \\
&:= 5^5 + (5 \times 55 - (5/5+5)) \\
&:= ((6+6)/6)^6 + (6-6/6) \times 666 \\
&:= 7 + (((7 \times (7 \times (77-7) - 7)) - 7/7) + 7) \\
&:= (8+8)/8 + (8 \times (8 \times 8 \times 8 - 88)) \\
&:= 9/9 + (((9+9) \times ((99+9 \times 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3395 &:= (1 + ((1+1) \times (1+1+1))) \times (1 + ((11+11)^{1+1})) \\
&:= ((2/2+2+2)+2) \times (22^2+2/2) \\
&:= 3 + (((33/3+3)^3) + 3 \times (3+3)^3) \\
&:= 4 + ((4 \times 4 \times (4^4-44)) - 4/4) \\
&:= 5^5 + (5 \times 55 - 5) \\
&:= 66 + ((6-6/6) \times 666 - 6/6) \\
&:= 7 + ((7 \times (7 \times (77-7) - 7)) + 7) \\
&:= 88/8 + ((8 \times (8 \times 8 \times 8 - 88)) - 8) \\
&:= (9+9)/9 + (((9+9) \times ((99+9 \times 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3396 &:= (1+1+1) \times (11 + (11 + (1111-1))) \\
&:= (2 \times (((2 \times 22)^2 + 2) + 2)) - 22^2 \\
&:= 3 + ((3333+33) + 3^3) \\
&:= 4 + (4 \times 4 \times (4^4-44)) \\
&:= 5^5 + ((5 \times 55 - 5) + 5/5) \\
&:= 66 + (6-6/6) \times 666 \\
&:= 7 + (((7 \times (7 \times (77-7) - 7)) + 7/7) + 7) \\
&:= 8 + ((8-8/8) \times 88 \times 88 / (8+8)) \\
&:= 9 + (((9+9+9)/9) \times ((9999/9+9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3397 &:= 1 + ((1+1+1) \times (11 + (11 + (1111-1)))) \\
&:= 22 + (((22/2+2)+2)^{2/2+2}) \\
&:= ((3/3+3)^3) + 3333 \\
&:= 4 + ((4 \times 4 \times (4^4-44)) + 4/4) \\
&:= 5^5 + (((5+5)/5-5) + 5 \times 55) \\
&:= 66 + ((6-6/6) \times 666 + 6/6) \\
&:= ((7/7-7) + 7 \times 7) \times ((7+7)/7+77) \\
&:= 8 + (((8 \times (8 \times 8 \times 8 - 88)) - (88/8)) + 8) \\
&:= 9 + ((99/9) \times ((99/9) \times ((9/9+9+9) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3398 &:= ((1+1+1) \times (11 + (11 + 1111))) - 1 \\
&:= 2 + ((2 \times (((2 \times 22)^2 + 2) + 2)) - 22^2) \\
&:= 3^3 + ((3 \times 3 + 3 + 3)^3 - (3/3+3)) \\
&:= 4 + ((4 \times 4 \times (4^4-44)) + (4+4)/4) \\
&:= 5^5 + (5 \times 55 - ((5+5)/5)) \\
&:= 6 + (((6+6)/6)^6 \times ((66/6+6 \times 6) + 6)) \\
&:= 7 + ((7 \times (7 \times (77-7) - 7)) + ((77-7)/7)) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 88)) - ((8+8)/8)) \\
&:= ((9+9)/9) \times ((9+9) \times 99 - (((9+9)/9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3399 &:= (1+1+1) \times (11 + (11 + 1111)) \\
&:= (2/2+2) \times ((2222/2) + 22) \\
&:= 3^3 + ((3 \times 3 + 3 + 3)^3 - 3) \\
&:= 4 + (((4 \times 4 \times (4^4-44)) - 4/4) + 4) \\
&:= 5^5 + (5 \times 55 - 5/5) \\
&:= 66 + 6666 \times 6 / (6+6) \\
&:= 7 + ((7 \times (7 \times (77-7) - 7)) + (77/7)) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 88)) - 8/8) \\
&:= 99/9 \times ((999/9+99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3400 &:= (11-1)^{1+1} \times (1+11 \times (1+1+1)) \\
&:= 2 \times ((2 \times 22 - 2)^2 - 2^{2+2+2}) \\
&:= 3 + (((3/3+3)^3) + 3333) \\
&:= 4 + ((4 \times 4 \times (4^4-44)) + 4) \\
&:= 5^5 + 5 \times 55 \\
&:= 6 \times 6 + (((6+6)/6)^6 - 6)^{(6+6)/6} \\
&:= (7/7 + 7 \times 7) \times (77 - ((7+7)/7+7)) \\
&:= 8 + (8 \times (8 \times 8 \times 8 - 88)) \\
&:= (99/9+9) \times ((9 \times (9+9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3401 &:= 1 + ((11-1)^{1+1} \times (1+11 \times (1+1+1))) \\
&:= (((2^{2+2}-2) \times (22^2+2)) - 2)/2 \\
&:= 3^3 + ((3 \times 3 + 3 + 3)^3 - 3/3) \\
&:= 4 + (((4 \times 4 \times (4^4-44)) + 4/4) + 4) \\
&:= 5^5 + (5 \times 55 + 5/5) \\
&:= 66 + ((6-6/6) \times (666+6/6)) \\
&:= (7 \times (7 \times (77-7) + 7)) - 7/7 - 77 \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 88)) + 8/8) \\
&:= ((9+9) \times ((99+9 \times 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3402 &:= (1+1+1) \times (1 + (11 + (11 + 1111))) \\
&:= ((2 \times 22) - 2) \times (2/2+2)^{2+2} \\
&:= 3 \times (3^3 \times (3 \times 3 + 33)) \\
&:= (4-4/4)^4 \times (44 - (4+4)/4) \\
&:= 5^5 + (5 \times 55 + ((5+5)/5)) \\
&:= 6 + ((6-6/6) \times 666 + 66) \\
&:= (7 \times (7 \times (77-7) + 7)) - 77 \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 88)) + ((8+8)/8)) \\
&:= (9+9) \times ((99+9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3403 &:= 1 + ((1 + 1 + 1) \times (1 + (11 + (11 + 1111)))) \\
&:= (((2^{2+2} - 2) \times (22^2 + 2)) + 2)/2 \\
&:= 3^3 + ((3 \times 3 + 3 + 3)^3 + 3/3) \\
&:= 44/4 + (4 \times 4 \times (4^4 - 44)) \\
&:= 5 + ((5 \times 55 - ((5 + 5)/5)) + 5^5) \\
&:= 6 + (((6 - 6/6) \times 666 + 66) + 6/6) \\
&:= 7/7 + ((7 \times (7 \times (77 - 7) + 7)) - 77) \\
&:= 88/8 + (8 \times (8 \times 8 \times 8 - 88)) \\
&:= 9/9 + ((9 + 9) \times ((99 + 9 \times 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3404 &:= (1 + 1)^{11} + ((1 + 11) \times (1 + 1 + 111)) \\
&:= 2 + (((2 \times 22) - 2) \times (2/2 + 2)^{2+2}) \\
&:= 3333 + (((3 + 3)^3 - 3)/3) \\
&:= 4444 - 4 \times (4^4 + 4) \\
&:= 5 + ((5 \times 55 - 5/5) + 5^5) \\
&:= (((6 \times 6 - 6) + 6/6) \times ((666 - 6)/6)) - 6 \\
&:= 7 + (((7/7 - 7) + 7 \times 7) \times ((7 + 7)/7 + 77)) \\
&:= ((88 + 8)/8) + (8 \times (8 \times 8 \times 8 - 88)) \\
&:= (9 + 9)/9 + ((9 + 9) \times ((99 + 9 \times 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3405 &:= (1 + 1 + 1) \times (111 + (1 + 1)^{11-1}) \\
&:= 2 + (((2^{2+2} - 2) \times (22^2 + 2)) + 2)/2 \\
&:= 3 + ((3 \times 3 + 3 + 3)^3 + 3^3) \\
&:= 4/4 + (4444 - 4 \times (4^4 + 4)) \\
&:= 5 + (5 \times 55 + 5^5) \\
&:= 6 + (6666 \times 6/(6 + 6) + 66) \\
&:= 7 \times 7 \times (77 - 7) - (77/7 + 7 + 7) \\
&:= (88 + 8 + 8)/8 + (8 \times (8 \times 8 \times 8 - 88)) \\
&:= 9 \times 9 + ((9999)/(9 + 9 + 9)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3406 &:= 1 + ((1 + 1 + 1) \times (111 + (1 + 1)^{11-1})) \\
&:= 2 \times (((2 \times (22 - 2) + 2/2)^2) + 22) \\
&:= 3333 + (((3 + 3)^3 + 3)/3) \\
&:= 4 + ((4 - 4/4)^4 \times (44 - (4 + 4)/4)) \\
&:= 5 + (5 \times 55 + 5^5 + 5/5) \\
&:= 6 + (((((6 + 6)/6)^6 - 6)^{(6+6)/6}) + 6 \times 6) \\
&:= 7 + (((7 \times (7 \times (77 - 7) - 7)) + (77/7)) + 7) \\
&:= 8 + (((8 \times (8 \times 8 \times 8 - 88)) - ((8 + 8)/8)) + 8) \\
&:= ((9 + 9)/9) \times ((9 \times ((99 + 9 \times 9) + 9)) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3407 &:= 1 + (1 + ((1 + 1 + 1) \times (111 + (1 + 1)^{11-1}))) \\
&:= (2 \times (2 \times 22 - 2)^2) - (22/2)^2 \\
&:= 33 + ((3 \times 3 + 3 + 3)^3 - 3/3) \\
&:= (4 \times 4 \times (4^4 - 4)) - (4/4 + 4)^4 \\
&:= 5 + ((5 \times 55 + ((5 + 5)/5)) + 5^5) \\
&:= 6 + (((6 - 6/6) \times (666 + 6/6)) + 66) \\
&:= 7 + ((7/7 + 7 \times 7) \times (77 - ((7 + 7)/7 + 7))) \\
&:= 8 + (((8 \times (8 \times 8 \times 8 - 88)) - 8/8) + 8) \\
&:= 9 \times 9 \times (9 + 9) + (((9 + 9)/9)^{99/9} - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3408 &:= (1 + 1) \times ((1 + 11) \times ((1 + 11)^{1+1} - (1 + 1))) \\
&:= (22 + 2) \times (((2 \times (2 + 2 + 2))^2) - 2) \\
&:= 33 + (3 \times 3 + 3 + 3)^3 \\
&:= 4 \times (4 \times (4^4 - 44) + 4) \\
&:= 5 + (((5 \times 55 - ((5 + 5)/5)) + 5^5) + 5) \\
&:= ((6 + 6)/6 + 6) \times (((6 \times (66 + 6)) - 6) - 6) \\
&:= (7 \times 7 - 7/7) \times ((7/7 - 7) + 77) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 88)) + 8) \\
&:= 9 + ((99/9) \times ((999/9 + 99) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3409 &:= ((1 + 1) \times (11 \times (11 + (1 + 11)^{1+1}))) - 1 \\
&:= 2 + ((2 \times (2 \times 22 - 2)^2) - (22/2)^2) \\
&:= 3/3 + ((3 \times 3 + 3 + 3)^3 + 33) \\
&:= 4/4 + (4 \times (4 \times (4^4 - 44) + 4)) \\
&:= 5 + (((5 \times 55 - 5/5) + 5^5) + 5) \\
&:= 6/6 + (((6 + 6)/6 + 6) \times ((6 \times (66 + 6)) - 6)) \\
&:= 7 \times 7 \times (77 - 7) - (7 + 7 + 7) \\
&:= 8 + (((8 \times (8 \times 8 \times 8 - 88)) + 8/8) + 8) \\
&:= 9 + ((99/9 + 9) \times ((9 \times (9 + 9) - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3410 &:= (1 + 1) \times (11 \times (11 + (1 + 11)^{1+1})) \\
&:= 22 \times (222/2 + 2 \times 22) \\
&:= 3 + (((3 \times 3 + 3 + 3)^3 - 3/3) + 33) \\
&:= (4 + 4)/4 + (4 \times (4 \times (4^4 - 44) + 4)) \\
&:= 5 + ((5 \times 55 + 5^5) + 5) \\
&:= ((6 \times 6 - 6) + 6/6) \times ((666 - 6)/6) \\
&:= 7/7 + (7 \times 7 \times (77 - 7) - (7 + 7 + 7)) \\
&:= (8 \times 8 - (8/8 + 8)) \times (8 \times 8 - ((8 + 8)/8)) \\
&:= 9 + (((9 + 9) \times ((99 + 9 \times 9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3411 &:= 1 + ((1 + 1) \times (11 \times (11 + (1 + 11)^{1+1}))) \\
&:= 22 + (((22^2 \times (2^{2+2} - 2)) + 2)/2) \\
&:= 3 + ((3 \times 3 + 3 + 3)^3 + 33) \\
&:= 4 + ((4 \times 4 \times (4^4 - 4)) - (4/4 + 4)^4) \\
&:= 5^5 + (5 \times 55 + (55/5)) \\
&:= 6 + ((6666 \times 6/(6 + 6) + 66) + 6) \\
&:= 7 \times 7 \times (77 - 7) - ((77 + 7)/7 + 7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 88)) + (88/8)) \\
&:= 9 + ((9 + 9) \times ((99 + 9 \times 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3412 &:= (1 + 1) \times (1 + (11 \times (11 + (1 + 11)^{1+1}))) \\
&:= 2 + (22 \times (222/2 + 2 \times 22)) \\
&:= 3 + (((3 \times 3 + 3 + 3)^3 + 33) + 3/3) \\
&:= 4 + (4 \times (4 \times (4^4 - 44) + 4)) \\
&:= 5^5 + (((55 + 5)/5) + 5 \times 55) \\
&:= (((6 + 6)/6)^{6+6}) - (((666 + 6) + 6) + 6) \\
&:= 7 \times 7 \times (77 - 7) - (77/7 + 7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 88)) + ((88 + 8)/8)) \\
&:= 9 + (((9 + 9) \times ((99 + 9 \times 9) + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3413 &:= (((11 - 1) \times (1 + 1)^{11-1}) - 1)/(1 + 1 + 1) \\
&:= (2222/2) + (((2 \times (22 + 2))^2) - 2) \\
&:= 3 \times 3^3 + (3333 - 3/3) \\
&:= 4 + ((4 \times (4 \times (4^4 - 44) + 4)) + 4/4) \\
&:= 5^5 + (((5^5 + 5)/(5 + 5)) - 5 \times 5) \\
&:= (6^{6-6/6}) - ((66 \times 66 + 6/6) + 6) \\
&:= ((7 - 77)/7) + (7 \times 7 \times (77 - 7) - 7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 88)) + (88 + 8 + 8)/8) \\
&:= 99/9 + ((9 + 9) \times ((99 + 9 \times 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3414 &:= 1 + (((11 - 1) \times (1 + 1)^{11-1}) - 1)/(1 + 1 + 1) \\
&:= ((2^{2+2} - 2) \times (22^2/2 + 2)) - 2 \\
&:= 3 \times 3^3 + 3333 \\
&:= 4 + ((4 \times (4 \times (4^4 - 44) + 4)) + (4 + 4)/4) \\
&:= 5^5 + (5 \times (55 + 5) - (55/5)) \\
&:= (6^{6-6/6}) - (66 \times 66 + 6) \\
&:= 7 \times 7 \times (77 - 7) - (((7 + 7)/7 + 7) + 7) \\
&:= (8 - (8 + 8)/8) \times ((8 \times (8 \times 8 + 8) - 8) + 8/8) \\
&:= 9 \times 9 + (9999/((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3415 &:= 1111 + (((1 + 1) \times ((1 + 1) \times (1 + 11)))^{1+1}) \\
&:= (2222/2) + ((2 \times (22 + 2))^2) \\
&:= 3/3 + (3333 + 3 \times 3^3) \\
&:= 44 + (((44/4 + 4)^4 - 4/4) - 4) \\
&:= 5 + (((5 \times 55 + 5^5) + 5) + 5) \\
&:= (6 - 6/6) \times ((666 + (66/6)) + 6) \\
&:= 7 \times 7 \times (77 - 7) - (7/7 + 7 + 7) \\
&:= 8 + (((8 \times (8 \times 8 \times 8 - 88)) - 8/8) + 8) + 8 \\
&:= 9/9 + ((9999/((9 + 9 + 9)/9)) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3416 &:= (1 + 1) \times (1 + 1 + 1 + 11) \times (1 + 11^{1+1}) \\
&:= (2^{2+2} - 2) \times (22^2/2 + 2) \\
&:= (33/3 + 3) \times ((3^{3+3} + 3)/3) \\
&:= 4444 - (4 \times 4^4 + 4) \\
&:= 5 + ((5 \times 55 + (55/5)) + 5^5) \\
&:= 6 + (((6 \times 6 - 6) + 6/6) \times ((666 - 6)/6)) \\
&:= 7 \times 7 \times (77 - 7) - (7 + 7) \\
&:= 8 + (((8 \times (8 \times 8 \times 8 - 88)) + 8) + 8) \\
&:= ((9/9 + 9 + 9) + 9) \times (999 + 99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3417 &:= (1 + 1)^{11} + (((111/(1 + 1 + 1)))^{1+1}) \\
&:= (2 \times (2 \times 22 - 2)^2) - 222/2 \\
&:= 3 + (3333 + 3 \times 3^3) \\
&:= 4/4 + (4444 - (4 \times 4^4 + 4)) \\
&:= 5 + (((55 + 5)/5) + 5 \times 55) + 5^5 \\
&:= 66 + ((6666 + 6 \times 6)/(6 + 6)/6) \\
&:= 7/7 + (7 \times 7 \times (77 - 7) - (7 + 7)) \\
&:= 8 + (((8 \times (8 \times 8 \times 8 - 88)) + 8/8) + 8) + 8 \\
&:= 9 \times 9 + ((9999 + 9)/(9 + 9 + 9)/9)
\end{aligned}$$

- 3418 := $11 \times 111 + ((1+1+11)^{1+1+1})$
:= $2 + ((2^{2+2} - 2) \times (22^2/2 + 2))$
:= $3 + ((3333 + 3 \times 3^3) + 3/3)$
:= $4444 - ((4+4)/4 + 4 \times 4^4)$
:= $5 + (((5^5 + 5)/(5+5) - 5 \times 5) + 5^5)$
:= $((6+6)/6)^{6+6} - ((666+6) + 6)$
:= $7 \times 7 \times (77-7) - (77+7)/7$
:= $8 + ((8 \times 8 - (8/8+8)) \times (8 \times 8 - ((8+8)/8)))$
:= $((9/9+9+9) \times (99+9 \times 9)) - (9+9)/9$
- 3419 := $(1+1+11) \times (((1+1) \times (11 \times (1+11))) - 1)$
:= $2 + ((2 \times (2 \times 22 - 2)^2) - 222/2)$
:= $3 + ((33/3+3) \times ((3^{3+3} + 3)/3))$
:= $44 + ((44/4+4)^{4-4/4})$
:= $5^5 + (5 \times (55+5) - (5/5+5))$
:= $(6^{6-6/6}) - (66 \times 66 + 6/6)$
:= $7 \times 7 \times (77-7) - 77/7$
:= $8 + (((8 \times (8 \times 8 \times 8 - 88)) + (88/8)) + 8)$
:= $((9+9)/9)^9 + (9 \times (9+9) \times (9+9) - 9)$
- 3420 := $(11-1) \times ((1+1+1) \times (1+1+1+111))$
:= $(22-2) \times (((22/2+2)^2) + 2)$
:= $(3^3+3) \times (333/3+3)$
:= $4444 - 4 \times 4^4$
:= $5^5 + (5 \times (55+5) - 5)$
:= $6 \times ((6+6) \times (6 \times 6 + 6) + 66)$
:= $((7-77)/7) + 7 \times 7 \times (77-7)$
:= $(8/8+8) \times ((8 \times (88+8) - 8)/(8+8)/8)$
:= $(9/9+9+9) \times (99+9 \times 9)$
- 3421 := $11 \times (1 + ((1+1) \times (11 + (1+11)^{1+1})))$
:= $2/2 + ((22-2) \times (((22/2+2)^2) + 2))$
:= $3/3 + ((3^3+3) \times (333/3+3))$
:= $4/4 + (4444 - 4 \times 4^4)$
:= $5^5 + ((5 \times (55+5) - 5) + 5/5)$
:= $6/6 + (6 \times ((6+6) \times (6 \times 6 + 6) + 66))$
:= $7 \times 7 \times (77-7) - ((7+7)/7+7)$
:= $88 + ((88/8-8) \times 8888/8)$
:= $9/9 + ((9/9+9+9) \times (99+9 \times 9))$
- 3422 := $1 + (11 \times (1 + ((1+1) \times (11 + (1+11)^{1+1}))))$
:= $222 + (2 \times (2 \times (22-2)^2)$
:= $(3 \times (3^3+3)) + (3333 - 3/3)$
:= $(4+4)/4 + (4444 - 4 \times 4^4)$
:= $5^5 + ((5 \times (55+5) - 5) + ((5+5)/5))$
:= $((6+6)/6)^6 - 6 \times (66 - 6/6 - 6)$
:= $7 \times 7 \times (77-7) - (7/7+7)$
:= $8 + ((8 \times (8 \times 8 \times 8 - 88)) + (88+88)/8)$
:= $9 + (((9+9) \times ((99+9 \times 9) + 9)) + (99/9))$
- 3423 := $((1+1) \times (((1+11)^{1+1+1}) - 11)) - 11$
:= $2/2 + ((2 \times (2 \times (22-2)^2) + 222)$
:= $(3 \times (3^3+3)) + 3333$
:= $((4+4) \times (444 - 4 \times 4)) - 4/4$
:= $55 + (((5 - (5+5)/5)^5) + 5^5)$
:= $((6+6)/6)^{6+6} - (666+6/6+6)$
:= $7 \times 7 \times (77-7) - 7$
:= $(8-8/8) \times ((8 \times 8 \times 8 - (8+8+8)) + 8/8)$
:= $((99+9)/9+9) \times (9 \times (9+9) + 9/9)$
- 3424 := $1 + (((1+1) \times (((1+11)^{1+1+1}) - 11)) - 11)$
:= $2 \times ((2 \times 22)^2 - (222+2))$
:= $3^3 + (((3/3+3)^3) + 3333)$
:= $(4+4) \times (444 - 4 \times 4)$
:= $5^5 + (5 \times (55+5) - 5/5)$
:= $((6+6)/6)^{6+6} - (666+6)$
:= $7/7 + (7 \times 7 \times (77-7) - 7)$
:= $8 \times (888/(8+8)/8 - (8+8))$
:= $9/9 + (((99+9)/9+9) \times (9 \times (9+9) + 9/9))$
- 3425 := $((1+1) \times (1 + (((1+11)^{1+1+1}) - 11))) - 11$
:= $2/2 + (2 \times ((2 \times 22)^2 - (222+2)))$
:= $3 \times 3^3 + (3333 + 33/3)$
:= $4 \times 4^4 + (((4-4/4) + 4)^4)$
:= $5^5 + 5 \times (55+5)$
:= $6 + ((6^{6-6/6}) - (66 \times 66 + 6/6))$
:= $(7+7)/7 + (7 \times 7 \times (77-7) - 7)$
:= $8/8 + (8 \times (888/(8+8)/8 - (8+8)))$
:= $9 \times (9 \times (9+9) - 9) + (((9+9)/9)^{99/9})$
- 3426 := $1 + (((1+1) \times (1 + (((1+11)^{1+1+1}) - 11))) - 11)$
:= $(2 \times ((2 \times 22)^2 - 222)) - 2$
:= $3 + ((3 \times (3^3+3)) + 3333)$
:= $4/4 + (((4-4/4) + 4)^4) + 4 \times 4^4$
:= $5^5 + (5 \times (55+5) + 5/5)$
:= $6 + (6 \times ((6+6) \times (6 \times 6 + 6) + 66))$
:= $7 + (7 \times 7 \times (77-7) - (77/7))$
:= $8 + (((8 \times 8 - (8/8+8)) \times (8 \times 8 - ((8+8)/8))) + 8)$
:= $9 + (((9999+9)/(9+9+9)/9) + 9 \times 9)$
- 3427 := $11 + ((1+1) \times (1+1+1+11) \times (1+11^{1+1}))$
:= $(2 \times ((2 \times 22)^2 - 222)) - 2/2$
:= $((3 \times 3 + 3/3) \times ((3/3+3+3)^3)) - 3$
:= $((4+4)^4) - ((4/4+4)^4 + 44)$
:= $5^5 + (5 \times (55+5) + ((5+5)/5))$
:= $6 + ((6 \times ((6+6) \times (6 \times 6 + 6) + 66)) + 6/6)$
:= $7 \times 7 \times (77-7) - (7+7+7)/7$
:= $88 + ((8/8 - 8 \times 8) \times (88/8 - 8 \times 8))$
:= $((9+9)/9)^9 + (9 \times (9+9) \times (9+9) - 9/9)$
- 3428 := $(1+1) \times ((1+1)^{11} - (1 + (1+1+1) \times 111))$
:= $2 \times ((2 \times 22)^2 - 222)$
:= $3 \times 33 + (3333 - (3/3+3))$
:= $4 + ((4+4) \times (444 - 4 \times 4))$
:= $5^5 + (((5^5 + 5)/(5+5) - (5+5))$
:= $6 + (((6+6)/6)^6 - 6) \times (66 - 6/6 - 6)$
:= $7 \times 7 \times (77-7) - (7+7)/7$
:= $(88 \times 88 - 888)/(8+8)/8$
:= $((9+9)/9)^9 + 9 \times (9+9) \times (9+9)$
- 3429 := $(((((1+1) \times (11-1)) - 1)^{1+1+1}) - 1)/(1+1)$
:= $2/2 + (2 \times ((2 \times 22)^2 - 222))$
:= $3 \times 33 + (3333 - 3)$
:= $4 + (((4-4/4) + 4)^4) + 4 \times 4^4$
:= $5 + ((5 \times (55+5) - 5/5) + 5^5)$
:= $((6+6)/6)^{6+6} - (666+6/6)$
:= $7 \times 7 \times (77-7) - 7/7$
:= $(88/8+8+8) \times (8 \times (8+8) - 8/8)$
:= $9 + ((9/9+9+9) \times (99+9 \times 9))$
- 3430 := $(1+1) \times ((1+1)^{11} - (1+1+1) \times 111)$
:= $2 + (2 \times ((2 \times 22)^2 - 222))$
:= $(3 \times 3 + 3/3) \times ((3/3+3+3)^3)$
:= $((44-4)/4+4) \times (4^4 - 44/4)$
:= $5 + (5 \times (55+5) + 5^5)$
:= $((6+6)/6)^{6+6} - 666$
:= $7 \times 7 \times (77-7)$
:= $(8-8/8) \times (8 \times 8 \times 8 - (88+88)/8)$
:= $(99-9/9) \times (((9-9/9) + 9) + 9) + 9$
- 3431 := $((1+1) \times (11 \times ((1+11) \times (1+1+11)))) - 1$
:= $(2 \times (2 \times 22)^2) - ((22-2)/2)^2$
:= $3 \times 33 + (3333 - 3/3)$
:= $4 + (((4+4)^4) - ((4/4+4)^4 + 44))$
:= $5 + ((5 \times (55+5) + 5^5) + 5/5)$
:= $6/6 + (((6+6)/6)^{6+6} - 666)$
:= $7/7 + 7 \times 7 \times (77-7)$
:= $(8 \times (8 \times (8 \times 8 - 8) - 8)) - (8/8+88)$
:= $99/9 + ((9/9+9+9) \times (99+9 \times 9))$
- 3432 := $(1+1) \times (11 \times ((1+11) \times (1+1+11)))$
:= $2 \times (((2 \times 22)^2 - 222) + 2)$
:= $3 \times 33 + 3333$
:= $4 + (((4+4) \times (444 - 4 \times 4)) + 4)$
:= $5^5 + (5^5 - 55)/(5+5)$
:= $66 \times (((6+6)/6)^6 - (6+6))$
:= $(7+7)/7 + 7 \times 7 \times (77-7)$
:= $(8 \times (8 \times (8 \times 8 - 8) - 8)) - 88$
:= $99 + (9999/(9+9+9)/9)$

$$\begin{aligned}
\blacktriangleright 3433 &:= ((1+1) \times (((1+11)^{1+1+1}) - 11)) - 1 \\
&:= 2 + ((2 \times (2 \times 22)^2) - ((22 - 2/2)^2)) \\
&:= 3/3 + (3333 + 3 \times 33) \\
&:= 4 + (((4 - 4/4) + 4)^4) + 4 \times 4^4 + 4 \\
&:= 5^5 + ((5^5 + 5)/(5 + 5) - 5) \\
&:= 6/6 + (66 \times (((6+6)/6)^6 - (6+6))) \\
&:= (7 + 7 + 7)/7 + 7 \times 7 \times (77 - 7) \\
&:= 8/8 + ((8 \times (8 \times (8 \times 8 - 8) - 8)) - 88) \\
&:= 9/9 + ((9999/(9+9+9)/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3434 &:= (1+1) \times (((1+11)^{1+1+1}) - 11) \\
&:= ((2+2+2) \times ((22+2)^2)) - 22 \\
&:= 3 + ((3333 - 3/3) + 3 \times 33) \\
&:= 4 + (((44 - 4)/4 + 4) \times (4^4 - 44/4)) \\
&:= 5 + (((5 \times (55 + 5) - 5/5) + 5^5) + 5) \\
&:= (6+6)/6 + (66 \times (((6+6)/6)^6 - (6+6))) \\
&:= 77/7 + (7 \times 7 \times (77 - 7) - 7) \\
&:= (8+8)/8 + ((8 \times (8 \times (8 \times 8 - 8) - 8)) - 88) \\
&:= ((99/9) \times (9+9) \times (9+9) - (99/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3435 &:= 1 + ((1+1) \times (((1+11)^{1+1+1}) - 11)) \\
&:= 2/2 + (((2+2+2) \times ((22+2)^2)) - 22) \\
&:= 3 + (3333 + 3 \times 33) \\
&:= 44 + ((4 \times 4 \times (4^4 - 44)) - 4/4) \\
&:= 5 + ((5 \times (55 + 5) + 5^5) + 5) \\
&:= (666/6 \times ((6 \times 6 - 6) + 6/6)) - 6 \\
&:= 7 + (7 \times 7 \times (77 - 7) - ((7+7)/7)) \\
&:= 8 + (((8/8 - 8 \times 8) \times (88/8 - 8 \times 8)) + 88) \\
&:= 99 + ((9999 + 9)/(9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3436 &:= (1+1) \times (1 + (((1+11)^{1+1+1}) - 11)) \\
&:= 2 + (((2+2+2) \times ((22+2)^2)) - 22) \\
&:= 3 + ((3333 + 3 \times 33) + 3/3) \\
&:= 44 + (4 \times 4 \times (4^4 - 44)) \\
&:= 5^5 + (5 \times (55 + 5) + (55/5)) \\
&:= 6 + (((6+6)/6)^{6+6}) - 666 \\
&:= 7 + (7 \times 7 \times (77 - 7) - 7/7) \\
&:= 8 + ((88 \times 88 - 888)/(8+8)/8) \\
&:= 9999 - (9 \times 9 \times 9 \times 9 + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3437 &:= 1 + ((1+1) \times (1 + (((1+11)^{1+1+1}) - 11))) \\
&:= (((2 \times (22 + 2)) + 22/2)^2) - (2 \times 22) \\
&:= (33/3)^3 + (3 \times (3^{3+3} - 3^3)) \\
&:= 44 + ((4 \times 4 \times (4^4 - 44)) + 4/4) \\
&:= 5^5 + (5^5 - 5)/(5 + 5) \\
&:= 666 + ((66 \times (6 \times 6 + 6)) - 6/6) \\
&:= 7 + 7 \times 7 \times (77 - 7) \\
&:= ((8/8 + 8 \times 8) \times (8 \times 8 - 88/8)) - 8 \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) + ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3438 &:= (1+1) \times (1 + (1 + (((1+11)^{1+1+1}) - 11))) \\
&:= (2/2 + 2) \times ((2 \times ((22 + 2)^2) - 2) - 2) \\
&:= (3 + 3) \times (((3 \times 3 + 3)^3/3) - 3) \\
&:= ((4 \times 4 + 4) \times (4 \times 44 - 4)) - (4 + 4)/4 \\
&:= 5^5 + (5^5 + 5)/(5 + 5) \\
&:= 666 + (66 \times (6 \times 6 + 6)) \\
&:= 7 + (7 \times 7 \times (77 - 7) + 7/7) \\
&:= (8/8 + 8) \times ((8 \times (8 \times 8 - 8 - 8)) - ((8+8)/8)) \\
&:= 9999 - 9 \times 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3439 &:= (111 \times (1 + ((11 - 1) \times (1 + 1 + 1)))) - 1 - 1 \\
&:= 22/2 + (2 \times ((2 \times 22)^2 - 222)) \\
&:= ((3/3 + 3)^3) + (3 \times 3 + 3 + 3)^3 \\
&:= ((4 \times 4 + 4) \times (4 \times 44 - 4)) - 4/4 \\
&:= 5^5 + ((5^5 + 5)/(5 + 5) + 5/5) \\
&:= 6/6 + ((66 \times (6 \times 6 + 6)) + 666) \\
&:= 7 + (7 \times 7 \times (77 - 7) + ((7+7)/7)) \\
&:= 8 \times 8 + ((8 - 8/8 + 8)^{88/8-8}) \\
&:= 9/9 + (9999 - 9 \times 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3440 &:= (11 - 1) \times (11 + (1 + 1 + 1) \times 111) \\
&:= 2 \times ((2 - 22) \times (2 - 2 \times 2 \times 22)) \\
&:= 3^{3+3} + (((33/3 + 3)^3) - 33) \\
&:= (4 \times 4 + 4) \times (4 \times 44 - 4) \\
&:= 5^5 + ((5 \times 5 + 5^5)/(5 + 5)) \\
&:= (((66 - 6)/6) + 6) \times (6 \times 6 \times 6 - 6/6) \\
&:= ((77 - 7)/7) + 7 \times 7 \times (77 - 7) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8) - 8)) - 88) \\
&:= (99/9 + 9) \times ((9 \times (9 + 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3441 &:= 111 \times (1 + ((11 - 1) \times (1 + 1 + 1))) \\
&:= 222/2 \times ((2/2 + 2)^2 + 22) \\
&:= (3 \times (33 + 3)) + 3333 \\
&:= 4/4 + ((4 \times 4 + 4) \times (4 \times 44 - 4)) \\
&:= 555/5 \times ((5 \times 5 + 5/5) + 5) \\
&:= 666/6 \times ((6 \times 6 - 6) + 6/6) \\
&:= 77/7 + 7 \times 7 \times (77 - 7) \\
&:= 888/8 \times (((8 - 8/8 + 8) + 8) + 8) \\
&:= 999/9 \times (((99 + 99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3442 &:= 1 + (111 \times (1 + ((11 - 1) \times (1 + 1 + 1)))) \\
&:= ((2+2+2) \times (((22+2)^2) - 2)) - 2 \\
&:= 3 + ((3 \times 3 + 3 + 3)^3 + ((3/3 + 3)^3)) \\
&:= (4+4)/4 + ((4 \times 4 + 4) \times (4 \times 44 - 4)) \\
&:= 5 + ((5^5 - 5)/(5 + 5) + 5^5) \\
&:= 6 + (((6+6)/6)^{6+6}) - 666 + 6 \\
&:= (77 + 7)/7 + 7 \times 7 \times (77 - 7) \\
&:= ((8 - (8+8)/8) \times (8 \times (8 \times 8 + 8) - 8/8)) - 8 \\
&:= 9/9 + (999/9 \times (((99+99)/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3443 &:= 111 + (((1+1+1) \times 1111) - 1) \\
&:= ((2+2+2) \times (((22+2)^2) - 2)) - 2/2 \\
&:= 3333 + ((333 - 3)/3) \\
&:= 4 + (((4 \times 4 + 4) \times (4 \times 44 - 4)) - 4/4) \\
&:= 5 + ((5^5 + 5)/(5 + 5) + 5^5) \\
&:= 6 + (((66 \times (6 \times 6 + 6)) - 6/6) + 666) \\
&:= 7 + ((7 \times 7 \times (77 - 7) - 7/7) + 7) \\
&:= 88/8 + ((8 \times (8 \times (8 \times 8 - 8) - 8)) - 88) \\
&:= 99/9 \times ((9+9) \times (9+9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3444 &:= 111 + ((1+1+1) \times 1111) \\
&:= (2+2+2) \times (((22+2)^2) - 2) \\
&:= 333/3 + 3333 \\
&:= 4 + ((4 \times 4 + 4) \times (4 \times 44 - 4)) \\
&:= 5 + (((5^5 + 5)/(5 + 5) + 5^5) + 5/5) \\
&:= 6 + ((66 \times (6 \times 6 + 6)) + 666) \\
&:= 7 + (7 \times 7 \times (77 - 7) + 7) \\
&:= (8 - 8/8) \times (88 \times 88/(8+8) + 8) \\
&:= (9/9 + 9 \times 9) \times ((99/(9+9+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3445 &:= ((1+1) \times ((1+11)^{1+1+1})) - 11 \\
&:= 2/2 + ((2+2+2) \times (((22+2)^2) - 2)) \\
&:= 3333 + ((333 + 3)/3) \\
&:= (4^4 + 4)/4 \times (4^4 - 44)/4 \\
&:= 5^5 + ((5+5) \times ((5+5)/5)^5) \\
&:= (6/6 - 66) \times (((6/6 - 66) + 6) + 6) \\
&:= 7 + ((7 \times 7 \times (77 - 7) + 7/7) + 7) \\
&:= (8/8 + 8 \times 8) \times (8 \times 8 - 88/8) \\
&:= ((9+9) \times (999/9 + 9 \times 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3446 &:= 1 + (((1+1) \times ((1+11)^{1+1+1})) - 11) \\
&:= 2 + ((2+2+2) \times (((22+2)^2) - 2)) \\
&:= 3 + (((333 - 3)/3) + 3333) \\
&:= 4 + (((4 \times 4 + 4) \times (4 \times 44 - 4)) + (4+4)/4) \\
&:= 5 + (555/5 \times ((5 \times 5 + 5/5) + 5)) \\
&:= 6 + (((66 - 6)/6) + 6) \times (6 \times 6 \times 6 - 6/6) \\
&:= 7 + ((7 \times 7 \times (77 - 7) + ((7+7)/7)) + 7) \\
&:= 8/8 + ((8/8 + 8 \times 8) \times (8 \times 8 - 88/8)) \\
&:= 9 + ((9 \times (9 + 9) \times (9 + 9) + ((9+9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3447 &:= 111 + ((1+1+1) \times (1 + 1111)) \\
&:= 2 + (((2+2+2) \times (((22+2)^2) - 2)) + 2/2) \\
&:= 3 + (333/3 + 3333) \\
&:= 4 + (((4 \times 4 + 4) \times (4 \times 44 - 4)) - 4/4) + 4 \\
&:= 5 + (((5^5 - 5)/(5 + 5) + 5^5) + 5) \\
&:= 6 + (666/6 \times ((6 \times 6 - 6) + 6/6)) \\
&:= 7 + (7 \times 7 \times (77 - 7) + ((77 - 7)/7)) \\
&:= (8/8 + 8) \times ((8 \times (8 \times 8 - 8) - 8/8)) - 8/8 \\
&:= 9 + (9999 - 9 \times 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3448 &:= 1 + (111 + ((1 + 1 + 1) \times (1 + 1111))) \\
&:= 2 + (((2 + 2 + 2) \times ((22 + 2)^2) - 2) + 2) \\
&:= ((3/3 + 3)^{3+3}) - 3 \times (3 + 3)^3 \\
&:= 4 + (((4 \times 4 + 4) \times (4 \times 44 - 4)) + 4) \\
&:= 5 + (((5^5 + 5)/(5 + 5) + 5^5) + 5) \\
&:= ((6 + 6)/6 + 6) \times ((6 \times (66 + 6)) - 6/6) \\
&:= 7 + (7 \times 7 \times (77 - 7) + (77/7)) \\
&:= (8 \times ((8 \times 8 \times 8 - 88) + 8)) - 8 \\
&:= (9 - 9/9) \times (((9 + 9)/9)^9) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3449 &:= ((1 + 1) \times (1 + (1 + ((1 + 11)^{1+1+1})))) - 11 \\
&:= (2 \times (22 - 2))^2 + (((2 \times 22) - 2/2)^2) \\
&:= (((3 + 3) \times ((3 \times 3 + 3)^3 - 3)) - 3)/3 \\
&:= 4 + ((4^4 + 4)/4 \times (4^4 - 44)/4) \\
&:= 5^5 + ((5/5 + 5) \times (55 - 5/5)) \\
&:= (6 \times (6 \times (6 \times 6 - 6 + 66))) - 6/6 - 6 \\
&:= 7 + (7 \times 7 \times (77 - 7) + (77 + 7)/7) \\
&:= 8/8 + ((8 \times ((8 \times 8 \times 8 - 88) + 8)) - 8) \\
&:= 9 + ((99/9 + 9) \times ((9 \times (9 + 9) + 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3450 &:= (1 + 1) \times (((1 + 11)^{1+1+1}) - (1 + 1 + 1)) \\
&:= (2/2 + 2) \times ((2 \times ((22 + 2)^2)) - 2) \\
&:= (3 + 3) \times (((3 \times 3 + 3)^3 - 3)/3) \\
&:= ((44 + 4^4)/4) \times ((4 + 4)/4 + 44) \\
&:= 5^5 + (5 \times (55 + 5 + 5)) \\
&:= (6 \times (6 \times (6 \times 6 - 6 + 66))) - 6 \\
&:= (7/7 + 7 \times 7) \times (77 - (7/7 + 7)) \\
&:= (8 - (8 + 8)/8) \times (8 \times (8 \times 8 + 8) - 8/8) \\
&:= 9 + (999/9 \times (((99 + 99)/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3451 &:= ((1 + 1) \times (((1 + 11)^{1+1+1}) - (1 + 1))) - 1 \\
&:= 2/2 + ((2/2 + 2) \times ((2 \times ((22 + 2)^2)) - 2)) \\
&:= (((3 + 3) \times ((3 \times 3 + 3)^3 - 3)) + 3)/3 \\
&:= 44/4 + ((4 \times 4 + 4) \times (4 \times 44 - 4)) \\
&:= 5^5 + ((5 \times (55 + 5 + 5)) + 5/5) \\
&:= 6/6 + ((6 \times (6 \times (6 \times 6 - 6 + 66))) - 6) \\
&:= 7 + ((7 \times 7 \times (77 - 7) + 7) + 7) \\
&:= (8 - 8/8) \times (8 \times 8 \times 8 - (88/8 + 8)) \\
&:= (99/9 + 9 + 9) \times ((99/9 + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3452 &:= (1 + 1) \times (((1 + 11)^{1+1+1}) - (1 + 1)) \\
&:= 2 \times (((2/2 + 2) \times ((22 + 2)^2)) - 2) \\
&:= (((3 + 3) \times (3 \times 3 + 3)^3) - 3)/3 - 3 \\
&:= (4 \times (4 \times (4^4 - 44 + 4))) - 4 \\
&:= 5 + (((5^5 - 5)/(5 + 5) + 5^5) + 5) + 5 \\
&:= (6 + 6)/6 + ((6 \times (6 \times (6 \times 6 - 6 + 66))) - 6) \\
&:= 7 + (((7 \times 7 \times (77 - 7) + 7/7) + 7) + 7) \\
&:= (((88 + 8) \times (8 \times 8 + 8)) - 8)/(8 + 8)/8 \\
&:= 9 + ((99/9) \times ((9 + 9) \times (9 + 9) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3453 &:= ((1 + 1) \times (((1 + 11)^{1+1+1}) - 1)) - 1 \\
&:= (2/2 + 2) \times ((2 \times ((22 + 2)^2)) - 2/2) \\
&:= ((3 + 3) \times ((3 \times 3 + 3)^3/3)) - 3 \\
&:= 4/4 + ((4 \times (4 \times (4^4 - 44 + 4))) - 4) \\
&:= 5 + (((5^5 + 5)/(5 + 5) + 5^5) + 5) + 5 \\
&:= (66 \times (66 - 6 - 6)) - 666/6 \\
&:= 7 + (((7 \times 7 \times (77 - 7) + ((7 + 7)/7)) + 7) + 7) \\
&:= 8 + ((8/8 + 8 \times 8) \times (8 \times 8 - 88/8)) \\
&:= ((9 + 9) \times (99 + 99)) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3454 &:= (1 + 1) \times (((1 + 11)^{1+1+1}) - 1) \\
&:= ((2 + 2 + 2) \times ((22 + 2)^2)) - 2 \\
&:= (3 - 3/3) \times ((3 \times 3 + 3)^3 - 3/3) \\
&:= (4 \times (4 \times (4^4 - 44 + 4))) - (4 + 4)/4 \\
&:= 55 + ((5 \times 55 - 5/5) + 5^5) \\
&:= (6 \times (6 \times (6 \times 6 - 6 + 66))) - (6 + 6)/6 \\
&:= 7 + ((7 \times 7 \times (77 - 7) + ((77 - 7)/7)) + 7) \\
&:= (8 \times ((8 \times 8 \times 8 - 88) + 8)) - (8 + 8)/8 \\
&:= 99/9 \times ((9 + 9) \times (9 + 9) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3455 &:= ((1 + 1) \times ((1 + 11)^{1+1+1})) - 1 \\
&:= ((2 + 2 + 2) \times ((22 + 2)^2)) - 2/2 \\
&:= (((3 + 3) \times (3 \times 3 + 3)^3) - 3)/3 \\
&:= ((4 + 4)^4) - ((4/4 + 4)^4 + 4 \times 4) \\
&:= 55 + (5 \times 55 + 5^5) \\
&:= (6 \times (6 \times (6 \times 6 - 6 + 66))) - 6/6 \\
&:= 7 + ((7 \times 7 \times (77 - 7) + (77/7)) + 7) \\
&:= (8 \times ((8 \times 8 \times 8 - 88) + 8)) - 8/8 \\
&:= ((9 + 9) \times (999/9 + 9 \times 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3456 &:= (1 + 1) \times ((1 + 11)^{1+1+1}) \\
&:= (2 + 2 + 2) \times ((22 + 2)^2) \\
&:= (3 + 3) \times ((3 \times 3 + 3)^3/3) \\
&:= 4 \times (4 \times (4^4 - 44 + 4)) \\
&:= 55 + (5 \times 55 + 5^5 + 5/5) \\
&:= 6 \times (6 \times (6 \times 6 - 6 + 66)) \\
&:= ((7 + 7)/7)^7 \times (((7 - 7/7 + 7) + 7) + 7) \\
&:= 8 \times ((8 \times 8 \times 8 - 88) + 8) \\
&:= (9 + 9) \times (999/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3457 &:= 1 + ((1 + 1) \times ((1 + 11)^{1+1+1})) \\
&:= 2/2 + ((2 + 2 + 2) \times ((22 + 2)^2)) \\
&:= (((3 + 3) \times (3 \times 3 + 3)^3) + 3)/3 \\
&:= 4/4 + (4 \times (4 \times (4^4 - 44 + 4))) \\
&:= 5 \times 5 + ((5^5 - 55)/(5 + 5) + 5^5) \\
&:= 6/6 + (6 \times (6 \times (6 \times 6 - 6 + 66))) \\
&:= 7 + ((7/7 + 7 \times 7) \times (77 - (7/7 + 7))) \\
&:= 8/8 + (8 \times ((8 \times 8 \times 8 - 88) + 8)) \\
&:= 9 + ((9 - 9/9) \times (((9 + 9)/9)^9) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3458 &:= (1 + 1) \times (1 + ((1 + 11)^{1+1+1})) \\
&:= 2 + ((2 + 2 + 2) \times ((22 + 2)^2)) \\
&:= 3 + (((3 + 3) \times (3 \times 3 + 3)^3) - 3)/3 \\
&:= (4 + 4)/4 + (4 \times (4 \times (4^4 - 44 + 4))) \\
&:= 5 \times 5 + (((5^5 + 5)/(5 + 5) - 5) + 5^5) \\
&:= (6 + 6)/6 + (6 \times (6 \times (6 \times 6 - 6 + 66))) \\
&:= 77 + (7 \times (7 \times (77 - 7) - 7)) \\
&:= (8 + 8)/8 + (8 \times ((8 \times 8 \times 8 - 88) + 8)) \\
&:= (9 - (9 + 9)/9) \times (((9 + 9)/9)^9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3459 &:= 1 + ((1 + 1) \times (1 + ((1 + 11)^{1+1+1}))) \\
&:= 2 + (((2 + 2 + 2) \times ((22 + 2)^2)) + 2/2) \\
&:= 3 + ((3 + 3) \times ((3 \times 3 + 3)^3/3)) \\
&:= 4 + (((4 + 4)^4) - ((4/4 + 4)^4 + 4 \times 4)) \\
&:= 5 + (((5 \times 55 - 5/5) + 5^5) + 55) \\
&:= 6 + ((66 \times (66 - 6 - 6)) - 666/6) \\
&:= 7/7 + ((7 \times (7 \times (77 - 7) - 7)) + 77) \\
&:= 8 + ((8 - 8/8) \times (8 \times 8 \times 8 - (88/8 + 8))) \\
&:= 9 + ((999/9 \times ((99 + 99)/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3460 &:= (1 + 1) \times (1 + (1 + ((1 + 11)^{1+1+1}))) \\
&:= 2 + (((2 + 2 + 2) \times ((22 + 2)^2)) + 2) \\
&:= 3 + (((3 + 3) \times (3 \times 3 + 3)^3) + 3)/3 \\
&:= 4 + (4 \times (4 \times (4^4 - 44 + 4))) \\
&:= 5 + ((5 \times 55 + 55) + 5^5) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 - 6 + 66))) - ((6 + 6)/6)) \\
&:= 77 + ((7 \times (7 \times (77 - 7) - 7)) + ((7 + 7)/7)) \\
&:= (((88 + 8) \times (8 \times 8 + 8)) + 8)/(8 + 8)/8 \\
&:= (99/9 + 9) \times (99/9 + 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3461 &:= 1 + ((1 + 1) \times (1 + (1 + ((1 + 11)^{1+1+1})))) \\
&:= 2 + (((2 + 2 + 2) \times ((22 + 2)^2)) + 2/2) + 2 \\
&:= (((3 + 3) \times ((3 \times 3 + 3)^3 + 3)) - 3)/3 \\
&:= 4 + ((4 \times (4 \times (4^4 - 44 + 4))) + 4/4) \\
&:= 5^5 + (5/5 + 5) \times (55 + 5/5) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 - 6 + 66))) - 6/6) \\
&:= (7 \times (7 \times (77 - 7) + 7)) - (77/7 + 7) \\
&:= 8 + (((8/8 + 8 \times 8) \times (8 \times 8 - 88/8)) + 8) \\
&:= 9 + (((99/9) \times ((9 + 9) \times (9 + 9) - (99/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3462 &:= (1 + 1) \times (1 + (1 + (1 + ((1 + 11)^{1+1+1})))) \\
&:= (2/2 + 2) \times ((2 \times ((22 + 2)^2)) + 2) \\
&:= (3 + 3) \times (((3 \times 3 + 3)^3 + 3)/3) \\
&:= 4 + ((4 \times (4 \times (4^4 - 44 + 4))) + (4 + 4)/4) \\
&:= 5 \times 5 + ((5^5 - 5)/(5 + 5) + 5^5) \\
&:= 6 + (6 \times (6 \times (6 \times 6 - 6 + 66))) \\
&:= (7 - 7/7) \times (7 \times (77 + 7) - (77/7)) \\
&:= (8 - (8 + 8)/8) \times (8 \times (8 \times 8 + 8) + 8/8) \\
&:= 9 + (((9 + 9) \times (99 + 99)) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3463 &:= 1 + ((1+1) \times (1 + (1 + (1 + ((1+11)^{1+1+1})))))) \\
&:= 2/2 + ((2/2 + 2) \times ((2 \times ((22+2)^2) + 2)) \\
&:= (((3+3) \times ((3 \times 3 + 3)^3 + 3)) + 3)/3 \\
&:= ((4+4)^4) - (((4/4+4)^4 + 4) + 4) \\
&:= 5 \times 5 + ((5^5 + 5)/(5+5) + 5^5) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 - 6 + 66))) + 6/6) \\
&:= 7777/7 + 7 \times (7 \times 7 - 7) \\
&:= 8 + ((8 \times ((8 \times 8 - 88) + 8)) - 8/8) \\
&:= 9 + ((99/9) \times ((9+9) \times (9+9) - (9/9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3464 &:= 11 + (((1+1) \times (((1+11)^{1+1+1}) - 1)) - 1) \\
&:= 2 \times (2 \times (2 \times 2 \times 222 - 22)) \\
&:= (33 \times ((3 \times 33 + 3) + 3)) - 3/3 \\
&:= (4+4) \times (444 - 44/4) \\
&:= 5^5 + (((5^5 - 55)/5) - 5 \times 55) \\
&:= ((6+6)/6 + 6) \times ((6 \times (66+6)) + 6/6) \\
&:= (7 \times (7 \times (77 - 7) + 7)) - (7/7 + 7 + 7) \\
&:= 8 + (8 \times ((8 \times 8 - 88) + 8)) \\
&:= ((9+9) \times (99+99)) - (9/9+99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3465 &:= 11 + ((1+1) \times (((1+11)^{1+1+1}) - 1)) \\
&:= 2/2 + (2 \times (2 \times (2 \times 2 \times 222 - 22))) \\
&:= 33 \times ((3 \times 33 + 3) + 3) \\
&:= (44 + 4/4) \times ((4 - 4/4)^4 - 4) \\
&:= 55 \times (5^5/5 + 5)/(5+5) \\
&:= (6 - 6/6) \times (((6 \times 6/(6+6))^6) - 6 \times 6) \\
&:= 77 \times ((7 \times 7 - 77/7) + 7) \\
&:= (8/8 - 8 \times 8) \times ((8/8 - 8 \times 8) + 8) \\
&:= 99 \times (((9 - 9/9) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3466 &:= 11 + (((1+1) \times ((1+11)^{1+1+1}) - 1) \\
&:= ((2+2+2) \times (((22+2)^2) + 2)) - 2 \\
&:= 3/3 + (33 \times ((3 \times 33 + 3) + 3)) \\
&:= ((4+4)^4) - (((4/4+4)^4 + 4/4) + 4) \\
&:= 5 + ((5/5+5) \times (55+5/5) + 5^5) \\
&:= 6 \times 6 + (((6+6)/6)^{6+6}) - 666 \\
&:= 7/7 + (77 \times ((7 \times 7 - 77/7) + 7)) \\
&:= 8 + ((8 \times ((8 \times 8 - 88) + 8)) + ((8+8)/8)) \\
&:= 9/9 + (99 \times (((9 - 9/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3467 &:= 11 + ((1+1) \times ((1+11)^{1+1+1})) \\
&:= 22/2 + ((2+2+2) \times ((22+2)^2)) \\
&:= (((3+3) \times (3 \times 3 + 3)^3) + 33)/3 \\
&:= ((4+4)^4) - ((4/4+4)^4 + 4) \\
&:= 5 + (((5^5 - 5)/(5+5) + 5^5) + 5 \times 5) \\
&:= 66/6 + (6 \times (6 \times (6 \times 6 - 6 + 66))) \\
&:= (7 \times (7 \times (77 - 7) + 7)) - (77 + 7)/7 \\
&:= 88/8 + (8 \times ((8 \times 8 - 88) + 8)) \\
&:= 9 + ((9 - (9+9)/9) \times (((9+9)/9)^9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3468 &:= 1 + (11 + ((1+1) \times ((1+11)^{1+1+1})) \\
&:= (2+2+2) \times (((22+2)^2) + 2) \\
&:= 3 + (33 \times ((3 \times 33 + 3) + 3)) \\
&:= 4 + ((4+4) \times (444 - 44/4)) \\
&:= 5 + (((5^5 + 5)/(5+5) + 5^5) + 5 \times 5) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 - 6 + 66))) + 6) \\
&:= (7 \times (7 \times (77 - 7) + 7)) - 77/7 \\
&:= ((8 \times 888 + 8)/(8+8)/8) - 88 \\
&:= (99+9)/9 \times (((9 - 9/9) + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3469 &:= 11 + ((1+1) \times (1 + ((1+11)^{1+1+1})) \\
&:= 2/2 + ((2+2+2) \times (((22+2)^2) + 2)) \\
&:= (((3 \times 33 + 3)^{3-3/3} + 3)/3) \\
&:= 4 + ((44 + 4/4) \times ((4 - 4/4)^4 - 4)) \\
&:= 5^5 + ((5^5 - 5)/5 - (5 \times 55 + 5)) \\
&:= ((66 - 6/6 - 6)^{(6+6)/6}) - 6 - 6 \\
&:= ((7 - 77)/7) + (7 \times (7 \times (77 - 7) + 7)) \\
&:= 88 + ((8 \times (8 \times 8 - 88)) - (88/8)) \\
&:= 9 + ((99/9 + 9) \times (99/9 + 9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3470 &:= 1 + (11 + ((1+1) \times (1 + ((1+11)^{1+1+1}))) \\
&:= 2 + ((2+2+2) \times (((22+2)^2) + 2)) \\
&:= 3^{3+3} + (((33/3+3)^3) - 3) \\
&:= ((4+4)^4) - ((4/4+4)^4 + 4/4) \\
&:= 5 + (55 \times (5^5/5 + 5)/(5+5)) \\
&:= 6 + (((6+6)/6 + 6) \times ((6 \times (66+6)) + 6/6)) \\
&:= (7 \times (7 \times (77 - 7) + 7)) - ((7+7)/7 + 7) \\
&:= 8 + ((8 - (8+8)/8) \times (8 \times (8 \times 8 + 8) + 8/8)) \\
&:= (9/9 + 9) \times (9 \times 9 \times (9+9) - 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3471 &:= 11 + ((1+1) \times (1 + (1 + ((1+11)^{1+1+1})))) \\
&:= 2 + (((2+2+2) \times (((22+2)^2) + 2)) + 2/2) \\
&:= 3 + ((33 \times ((3 \times 33 + 3) + 3)) + 3) \\
&:= ((4+4)^4) - (4/4 + 4)^4 \\
&:= (5 - 5/5)^{5/5+5} - 5^5/5 \\
&:= 6 + ((6 - 6/6) \times (((6 \times 6/(6+6))^6) - 6 \times 6)) \\
&:= (7 \times (7 \times (77 - 7) + 7)) - (7/7 + 7) \\
&:= ((8 \times 8 - 8) \times (8 \times 8 - ((8+8)/8))) - 8/8 \\
&:= ((99/9 + 9 + 9) \times (999/9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3472 &:= (1+111) \times (1 + ((11-1) \times (1+1+1))) \\
&:= 2 \times (2222 - (22^2 + 2)) \\
&:= 3 + (((3 \times 33 + 3)^{3-3/3} + 3)/3) \\
&:= 4 \times ((4 \times (4^4 - 44 + 4)) + 4) \\
&:= 5^5 + ((55/5 \times ((5+5)/5)^5) - 5) \\
&:= ((6 \times 6 - 6) + 6/6) \times (666 + 6)/6 \\
&:= (7 \times (7 \times (77 - 7) + 7)) - 7 \\
&:= (8 \times 8 - 8) \times (8 \times 8 - ((8+8)/8)) \\
&:= ((999+9)/9) \times (((99+99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3473 &:= 1 + ((1+111) \times (1 + ((11-1) \times (1+1+1)))) \\
&:= 2/2 + (2 \times (2222 - (22^2 + 2))) \\
&:= 3^{3+3} + ((33/3+3)^3) \\
&:= 4/4 + (4 \times ((4 \times (4^4 - 44 + 4)) + 4)) \\
&:= 5^5 + ((5^5 - 5 - 5)/5 - 5 \times 55) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 - 6 + 66))) + (66/6)) \\
&:= 7/7 + ((7 \times (7 \times (77 - 7) + 7)) - 7) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - 888/8 \\
&:= 9 + (((9+9) \times (99+99)) - (9/9+99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3474 &:= (1+1) \times (11 + (((1+11)^{1+1+1}) - (1+1))) \\
&:= (2 \times (2222 - 22^2)) - 2 \\
&:= (3+3) \times (((3 \times 3 + 3)^3/3) + 3) \\
&:= 4 + (((4+4)^4) - ((4/4+4)^4 + 4/4)) \\
&:= 5^5 + ((5^5 - 5)/5 - 5 \times 55) \\
&:= 666 + (6 \times (6 \times (66+6+6))) \\
&:= (7+7)/7 + ((7 \times (7 \times (77 - 7) + 7)) - 7) \\
&:= ((8 - 888)/8) + 8 \times 8 \times (8 \times 8 - 8) \\
&:= 9 + (99 \times (((9 - 9/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3475 &:= ((1+1) \times (11 + (((1+11)^{1+1+1}) - 1))) - 1 \\
&:= (2 \times (2222 - 22^2)) - 2/2 \\
&:= 3/3 + ((3 \times 3 + 3 + 3)^3 + 3 \times 33) \\
&:= 4 + (((4+4)^4) - (4/4 + 4)^4) \\
&:= 5 \times (5 \times 5 \times (5 \times 5 + 5) - 55) \\
&:= ((66 - 6/6 - 6)^{(6+6)/6}) - 6 \\
&:= 7 + ((7 \times (7 \times (77 - 7) + 7)) - (77/7)) \\
&:= 8 + ((8 \times ((8 \times 8 - 88) + 8)) + (88/8)) \\
&:= 9 + ((99 \times (((9 - 9/9) + 9) + 9) + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3476 &:= (1+1) \times (11 + (((1+11)^{1+1+1}) - 1)) \\
&:= 2 \times (2222 - 22^2) \\
&:= 3 + (((33/3+3)^3) + 3^{3+3}) \\
&:= 44 \times (((44+4^4)/4) + 4) \\
&:= 5^5 + ((5^5 + 5)/5 - 5 \times 55) \\
&:= 6/6 + (((66 - 6/6 - 6)^{(6+6)/6}) - 6) \\
&:= (7 \times (7 \times (77 - 7) + 7)) - (7+7+7)/7 \\
&:= (88/((8+8)/8)) \times (88 - (8/8+8)) \\
&:= 99/9 \times (((9+9) \times (9+9) - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3477 &:= ((1+1) \times (11 + ((1+11)^{1+1+1}))) - 1 \\
&:= 2/2 + (2 \times (2222 - 22^2)) \\
&:= 3 + ((3 \times 3 + 3 + 3)^3 + 3 \times 33) \\
&:= (((4^4 - 4)/4) - 4)^{(4+4)/4} - 4 \\
&:= 5^5 + (55/5 \times ((5+5)/5)^5) \\
&:= 6 \times 6 + (666/6 \times ((6 \times 6 - 6) + 6/6)) \\
&:= (7 \times (7 \times (77 - 7) + 7)) - (7+7)/7 \\
&:= (88/8 + 8) \times ((888/8 + 8 \times 8) + 8) \\
&:= (9/9 + 9 + 9) \times ((999/9 - 9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3478 &:= (1+1) \times (11 + ((1+11)^{1+1+1})) \\
&:= 2 + (2 \times (2222 - 22^2)) \\
&:= (3 - 3/3) \times ((3 \times 3 + 3)^3 + 33/3) \\
&:= 4 + (((4+4)^4) - ((4/4+4)^4 + 4/4) + 4) \\
&:= 5^5 + (((55 \times ((5+5)/5)^5) + 5)/5) \\
&:= 6 + (((6 \times 6 - 6) + 6/6) \times (666 + 6)/6) \\
&:= (7 \times (7 \times (77 - 7) + 7)) - 7/7 \\
&:= 88 + ((8 \times (8 \times 8 \times 8 - 88)) - ((8+8)/8)) \\
&:= 9 + (((99/9+9) \times (99/9+9 \times (9+9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3479 &:= 1 + ((1+1) \times (11 + ((1+11)^{1+1+1}))) \\
&:= (((2 \times (22+2)) + 22/2^2) - 2) \\
&:= 3 + (((33/3+3)^3) + 3^{3+3} + 3) \\
&:= 4 + (((4+4)^4) - (4/4+4)^4 + 4) \\
&:= 5 + (((5^5 - 5)/5 - 5 \times 55) + 5^5) \\
&:= ((6 - 66) \times (6 - ((6+6)/6)^6)) - 6/6 \\
&:= 7 \times (7 \times (77 - 7) + 7) \\
&:= 88 + ((8 \times (8 \times 8 \times 8 - 88)) - 8/8) \\
&:= (9 \times 9 - (9/9+9)) \times ((9 \times 99 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3480 &:= (1+1) \times (1 + (11 + ((1+11)^{1+1+1}))) \\
&:= 2 \times (2222 - 22^2) + 2) \\
&:= (3+3) \times (((3 \times 3 + 3)^3 + 3)/3 + 3) \\
&:= 4 + (44 \times (((44+4^4)/4) + 4)) \\
&:= 55 + (5 \times (55+5) + 5^5) \\
&:= (6 - 66) \times (6 - ((6+6)/6)^6) \\
&:= 7/7 + (7 \times (7 \times (77 - 7) + 7)) \\
&:= 88 + (8 \times (8 \times 8 \times 8 - 88)) \\
&:= (99/9+9+9) \times (999/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3481 &:= ((11^{1+1} - 1)/(1+1) - 1)^{1+1} \\
&:= ((2 \times (22+2)) + 22/2^2) \\
&:= ((33 - 3/3) + 3^3)^{3-3/3} \\
&:= (((4^4 - 4)/4) - 4)^{(4+4)/4} \\
&:= (55 - 5/5 + 5)^{(5+5)/5} \\
&:= (66 - 6/6 - 6)^{(6+6)/6} \\
&:= (7+7)/7 + (7 \times (7 \times (77 - 7) + 7)) \\
&:= 8 + (8 \times 8 \times (8 \times 8 - 8) - 888/8) \\
&:= (((9 \times 99 + 9)/(9+9)) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3482 &:= 1 + (((11^{1+1} - 1)/(1+1) - 1)^{1+1}) \\
&:= (2 \times ((2 \times 22 - 2)^2 - 22)) - 2 \\
&:= 3^3 + (((3+3) \times (3 \times 3 + 3)^3) - 3)/3) \\
&:= 4/4 + (((4^4 - 4)/4) - 4)^{(4+4)/4} \\
&:= 5 + ((55/5 \times ((5+5)/5)^5) + 5^5) \\
&:= 6/6 + ((66 - 6/6 - 6)^{(6+6)/6}) \\
&:= (7+7+7)/7 + (7 \times (7 \times (77 - 7) + 7)) \\
&:= 8 + (((8 - 888)/8) + 8 \times 8 \times (8 \times 8 - 8)) \\
&:= (9+9) \times (99+99) - (9/9+9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3483 &:= 1 + (1 + (((11^{1+1} - 1)/(1+1) - 1)^{1+1})) \\
&:= 2 + (((2 \times (22+2)) + 22/2^2) \\
&:= 3 \times ((33 \times (33+3)) - 3^3) \\
&:= (4 - 4/4)^4 \times (44 - 4/4) \\
&:= 5 + (55 \times ((5+5)/5)^5 + 5)/5 + 5^5 \\
&:= (6+6)/6 + ((66 - 6/6 - 6)^{(6+6)/6}) \\
&:= 77/7 + ((7 \times (7 \times (77 - 7) + 7)) - 7) \\
&:= (88/8+8+8) \times (8 \times (8+8) + 8/8) \\
&:= 9 \times (9+9) \times (9+9+9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3484 &:= 1 + (1 + (1 + ((11^{1+1} - 1)/(1+1) - 1)^{1+1}))) \\
&:= 2 \times ((2 \times 22 - 2)^2 - 22) \\
&:= 3 + (((33 - 3/3) + 3^3)^{3-3/3}) \\
&:= ((4+4) \times (444 - (4+4))) - 4 \\
&:= 5^5 + ((5/5+5) \times (55+5) - 5/5) \\
&:= (66+6/6) \times (((6+6)/6)^6 - (6+6)) \\
&:= 7 + ((7 \times (7 \times (77 - 7) + 7)) - ((7+7)/7)) \\
&:= ((8 \times (888 - (8+8))) - 8)/((8+8)/8) \\
&:= 9/9 + (9 \times ((9+9) \times (9+9+9) - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3485 &:= 111 + (((1+1+1+1+11)^{1+1+1}) - 1) \\
&:= 2 + (((2 \times (22+2)) + 22/2^2) + 2) \\
&:= (33/3)^3 + (3 \times 3^{3+3} - 33) \\
&:= 4 + (((4^4 - 4)/4) - 4)^{(4+4)/4} \\
&:= 5^5 + (5/5+5) \times (55+5) \\
&:= 6 \times (66 - 6) + ((6 - 6/6)^{6-6/6}) \\
&:= 7 + ((7 \times (7 \times (77 - 7) + 7)) - 7/7) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - (88/8+88) \\
&:= ((9 - (9+9)/9) \times ((9+9)/9)^9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3486 &:= 111 + ((1+1+1+1+11)^{1+1+1}) \\
&:= 2 + (2 \times ((2 \times 22 - 2)^2 - 22)) \\
&:= 3 + ((3 \times 33 \times 33) + (3+3)^3) \\
&:= ((4+4)/4+4) \times ((4/4+4)^4 - 44) \\
&:= 5 + ((55 - 5/5+5)^(5+5)/5) \\
&:= 6 + ((6 - 66) \times (6 - ((6+6)/6)^6)) \\
&:= 7 + (7 \times (7 \times (77 - 7) + 7)) \\
&:= (8 - 8/8) \times (((8+8)/8) - (8+8)) + 8 \times 8 \times 8) \\
&:= 9 + ((9/9+9+9) \times ((999/9 - 9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3487 &:= ((111 - 1 - 1) \times ((11 \times (1+1+1)) - 1)) - 1 \\
&:= (2^{2+2} \times (222 - (2+2))) - 2/2 \\
&:= (3 \times 3 + 3 + 3)^3 + ((333+3)/3) \\
&:= 4 + ((4 - 4/4)^4 \times (44 - 4/4)) \\
&:= 55/5 \times ((5^5 - 5)/(5+5) + 5) \\
&:= 6 + ((66 - 6/6 - 6)^{(6+6)/6}) \\
&:= 7 + ((7 \times (7 \times (77 - 7) + 7)) + 7/7) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - ((8/8+88) + 8) \\
&:= 99/9 \times (((9+9) \times (9+9) - 9) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3488 &:= (111 - 1 - 1) \times ((11 \times (1+1+1)) - 1) \\
&:= 2^{2+2} \times (222 - (2+2)) \\
&:= 33 + (((3+3) \times (3 \times 3 + 3)^3) - 3)/3) \\
&:= (4+4) \times (444 - (4+4)) \\
&:= 55 + (((5^5+5)/(5+5) - 5) + 5^5) \\
&:= 6 \times 6 \times 66 + (6666+6)/6 \\
&:= 7 + ((7 \times (7 \times (77 - 7) + 7)) + ((7+7)/7)) \\
&:= 8 \times (888/(8+8)/8) - 8) \\
&:= (9 - 9/9) \times (((9 \times 9 \times 99 - 9)/(9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3489 &:= 1 + ((111 - 1 - 1) \times ((11 \times (1+1+1)) - 1)) \\
&:= 2/2 + (2^{2+2} \times (222 - (2+2))) \\
&:= 33 + ((3+3) \times ((3 \times 3 + 3)^3/3)) \\
&:= 4/4 + ((4+4) \times (444 - (4+4))) \\
&:= 5^5 + ((5 \times (5 \times (5+5+5))) - (55/5)) \\
&:= (6 \times (666 - 66)) - 666/6 \\
&:= ((77 - 7)/7) + (7 \times (7 \times (77 - 7) + 7)) \\
&:= 8/8 + (8 \times (888/(8+8)/8) - 8) \\
&:= 9 + ((99/9+9+9) \times (999/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3490 &:= 111 + ((1+1)^{11} + 11^{1+1+1}) \\
&:= 2 + (2^{2+2} \times (222 - (2+2))) \\
&:= 33 + (((3+3) \times (3 \times 3 + 3)^3) + 3)/3) \\
&:= (4+4)/4 + ((4+4) \times (444 - (4+4))) \\
&:= 5 + ((5/5+5) \times (55+5) + 5^5) \\
&:= 6 + ((66+6/6) \times (((6+6)/6)^6 - (6+6))) \\
&:= 77/7 + (7 \times (7 \times (77 - 7) + 7)) \\
&:= (8+8)/8 + (8 \times (888/(8+8)/8) - 8) \\
&:= 9 + (((9 \times 99 + 9)/(9+9) + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3491 &:= (1+1)^{11} + (111 \times (1+1+11)) \\
&:= 2 + ((2^{2+2} \times (222 - (2+2))) + 2/2) \\
&:= (33/3)^3 + (3 \times (3^{3+3} - 3 \times 3)) \\
&:= 4 + (((4 - 4/4)^4 \times (44 - 4/4)) + 4) \\
&:= 5 + (((55 - 5/5+5)^(5+5)/5) + 5) \\
&:= (6 \times ((6 \times (6 \times 6 - 6 + 66)) + 6)) - 6/6 \\
&:= (77+7)/7 + (7 \times (7 \times (77 - 7) + 7)) \\
&:= 8 + ((88/8+8+8) \times (8 \times (8+8) + 8/8)) \\
&:= 9 + (((9+9) \times (99+99)) - (9/9+9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3492 &:= 1 + ((1+1)^{11} + (111 \times (1+1+11))) \\
&:= 2 + ((2^{2+2} \times (222 - (2+2))) + 2) \\
&:= 3 \times (((33 \times (33+3)) - 3^3) + 3) \\
&:= 4 + ((4+4) \times (444 - (4+4))) \\
&:= 55 + (((5^5 - 5)/(5+5) + 5^5) \\
&:= 6 \times ((6 \times (6 \times 6 - 6 + 66)) + 6) \\
&:= 7 + (((7 \times (7 \times (77 - 7) + 7)) - 7/7) + 7) \\
&:= ((8 \times (888 - (8+8))) + 8)/((8+8)/8) \\
&:= 9 + (9 \times ((9+9) \times (9+9+9) - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3493 &:= 1 + (1 + ((1 + 1)^{11} + (111 \times (1 + 1 + 11)))) \\
&:= 2 + (((2^{2+2} \times (222 - (2 + 2))) + 2/2) + 2) \\
&:= 3 + (((((3 + 3) \times (3 \times 3 + 3)^3) + 3)/3) + 33) \\
&:= 4 + (((4 + 4) \times (444 - (4 + 4))) + 4/4) \\
&:= 55 + ((5^5 + 5)/(5 + 5) + 5^5) \\
&:= 6 + (((66 - 6/6 - 6)^{(6+6)/6}) + 6) \\
&:= 7 + ((7 \times (7 \times (77 - 7) + 7)) + 7) \\
&:= 8 + (8 \times 8 \times (8 \times 8 - 8) - (88/8 + 88)) \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9 + 9) - 99)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3494 &:= 1 + (1 + (1 + ((1 + 1)^{11} + (111 \times (1 + 1 + 11)))))) \\
&:= (2 \times ((2 \times 22 - 2)^2 - 2^{2+2})) - 2 \\
&:= (3 + 3) \times 3^3 + (3333 - 3/3) \\
&:= (((4 + 4)/4 + 4) \times (4/4 + 4^4)) - 4^4 \\
&:= 5^5 + ((5 \times (5 \times (5 + 5 + 5))) - (5/5 + 5)) \\
&:= 6 + ((6666 + 6)/6 + 6 \times 6 \times 66) \\
&:= 7 + (((7 \times (7 \times (77 - 7) + 7)) + 7/7) + 7) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - ((8 + 8)/8 + 88) \\
&:= 9 + (((9 - (9 + 9)/9) \times ((9 + 9)/9)^9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3495 &:= (1 + 1 + 1 + 1 + 11) \times (11 + (1 + 1) \times 111) \\
&:= 22/2 + (2 \times ((2 \times 22 - 2)^2 - 22)) \\
&:= (3 + 3) \times 3^3 + 3333 \\
&:= (4/4 + 4) \times ((444 - 4/4) + 4^4) \\
&:= 5^5 + ((5 \times (5 \times (5 + 5 + 5))) - 5) \\
&:= 6 + ((6 \times (666 - 66)) - 666/6) \\
&:= 7 + (((7 \times (7 \times (77 - 7) + 7)) + ((7 + 7)/7)) + 7) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - (8/8 + 88) \\
&:= 9 \times (9 + 9) + (9999/((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3496 &:= (1 + 1) \times (((1 + 1) \times (11 - 1)) + ((1 + 11)^{1+1+1})) \\
&:= 2 \times ((2 \times 22 - 2)^2 - 2^{2+2}) \\
&:= 3/3 + ((3 + 3) \times 3^3 + 3333) \\
&:= 4 + (((4 + 4) \times (444 - (4 + 4))) + 4) \\
&:= 5^5 + (((5 \times (5 \times (5 + 5 + 5))) - 5) + 5/5) \\
&:= 66 + (((6 + 6)/6)^{6+6}) - 666 \\
&:= 77 + (7 \times 7 \times (77 - 7) - (77/7)) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - 88 \\
&:= (9 - 9/9) \times (((9 \times 9 \times 99 + 9)/9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3497 &:= (11 \times (((1 + 1 + 1) \times (111 - 1)) - (1 + 11))) - 1 \\
&:= 2/2 + (2 \times ((2 \times 22 - 2)^2 - 2^{2+2})) \\
&:= ((3^3 + 3/3) \times ((3 - 3/3 + 3)^3)) - 3 \\
&:= 4 \times 4 + (((4^4 - 4)/4) - 4)^{(4+4)/4} \\
&:= 5 + (((5^5 - 5)/(5 + 5) + 5^5) + 55) \\
&:= (66 \times (66 - 6 - 6)) - (66 + 6/6) \\
&:= 7 + ((7 \times (7 \times (77 - 7) + 7)) + (77/7)) \\
&:= 8/8 + (8 \times 8 \times (8 \times 8 - 8) - 88) \\
&:= 9 \times ((9 + 9)/9)^9 - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3498 &:= 11 \times (((1 + 1 + 1) \times (111 - 1)) - (1 + 11)) \\
&:= (2^{2+2} \times (222 - 2)) - 22 \\
&:= 3 + ((3 + 3) \times 3^3 + 3333) \\
&:= 44/4 \times ((4^4 - 4 - 4)/4 + 4^4) \\
&:= 55/5 \times ((5^5 + 5)/(5 + 5) + 5) \\
&:= 66 \times ((66/6 + 6 \times 6) + 6) \\
&:= ((77 - 7) \times (7/7 + 7 \times 7)) - (7 + 7)/7 \\
&:= (8 + 8)/8 + (8 \times 8 \times (8 \times 8 - 8) - 88) \\
&:= 9 \times ((9 + 9)/9)^9 + ((9 - 9999)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3499 &:= (1 + 1)^{11} + ((11 \times (11 \times (1 + 11))) - 1) \\
&:= 2/2 + (((2^{2+2} \times (222 - 2)) - 22) \\
&:= 3 + (((3 + 3) \times 3^3 + 3333) + 3/3) \\
&:= 4 \times 4 + (((4 - 4/4)^4 \times (44 - 4/4)) \\
&:= 5^5 + ((5 \times (5 \times (5 + 5 + 5))) - 5/5) \\
&:= 6/6 + (66 \times ((66/6 + 6 \times 6) + 6)) \\
&:= ((77 - 7) \times (7/7 + 7 \times 7)) - 7/7 \\
&:= ((8 - 8/8) \times (8 \times 8 \times 8 - 88/8)) - 8 \\
&:= 9 + (((9 \times 99 + 9)/9 + 9) + 9)^{(9+9)/9} + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3500 &:= (1 + 1)^{11} + (11 \times (11 \times (1 + 11))) \\
&:= 2 + ((2^{2+2} \times (222 - 2)) - 22) \\
&:= (3^3 + 3/3) \times ((3 - 3/3 + 3)^3) \\
&:= (4/4 + 4) \times (444 + 4^4) \\
&:= 5^5 + (5 \times (5 \times (5 + 5 + 5))) \\
&:= (6 \times 6 - 6/6) \times (((6 + 6)/6)^6 + 6 \times 6) \\
&:= (77 - 7) \times (7/7 + 7 \times 7) \\
&:= (8 - 8/8) \times (8 \times 8 \times 8 - ((88 + 8)/8)) \\
&:= (9/9 + 9) \times (((9 + 9)/9)^9 - 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3501 &:= 1 + ((1 + 1)^{11} + (11 \times (11 \times (1 + 11)))) \\
&:= 22 + (((2 \times (22 + 2)) + 22/2)^2) - 2 \\
&:= 3 \times ((3^3 \times (3 \times 3 + 33)) + 33) \\
&:= 4/4 + (((4/4 + 4) \times (444 + 4^4)) \\
&:= 5^5 + ((5 \times (5 \times (5 + 5 + 5))) + 5/5) \\
&:= ((6 \times 6/(6 + 6))^6) + (66 \times (6 \times 6 + 6)) \\
&:= 7/7 + ((77 - 7) \times (7/7 + 7 \times 7)) \\
&:= (8 \times (8 \times (8 \times 8 - 8) - 8)) - (88/8 + 8) \\
&:= 99 + ((9 + 9) \times ((99 + 9 \times 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3502 &:= 1 + (1 + ((1 + 1)^{11} + (11 \times (11 \times (1 + 11)))))) \\
&:= (2 \times ((2 \times 22 - 2)^2 - 2)) - 22 \\
&:= (3/3 + 33) \times ((3 \times 33 + 3/3) + 3) \\
&:= (4 \times (44 \times (4 \times 4 + 4) - 4)) - (4 + 4)/4 \\
&:= 5^5 + ((5 \times (5 \times (5 + 5 + 5))) + ((5 + 5)/5)) \\
&:= 6 + (((6 + 6)/6)^{6+6}) - 666 + 66 \\
&:= (7 + 7)/7 + ((77 - 7) \times (7/7 + 7 \times 7)) \\
&:= 8 + (8 \times 8 \times (8 \times 8 - 8) - ((8 + 8)/8 + 88)) \\
&:= 9/9 + (((9 + 9) \times ((99 + 9 \times 9) + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3503 &:= (1 + 1 + 111) \times (1 + ((11 - 1) \times (1 + 1 + 1))) \\
&:= 22 + (((2 \times (22 + 2)) + 22/2)^2) \\
&:= 3 + ((3^3 + 3/3) \times ((3 - 3/3 + 3)^3)) \\
&:= (4 \times (44 \times (4 \times 4 + 4) - 4)) - 4/4 \\
&:= 5 + (55/5 \times ((5^5 + 5)/(5 + 5) + 5)) \\
&:= 6 + ((66 \times (66 - 6 - 6)) - (66 + 6/6)) \\
&:= 7 + ((7 \times 7 \times (77 - 7) - (77/7)) + 77) \\
&:= 8 + (8 \times 8 \times (8 \times 8 - 8) - (8/8 + 88)) \\
&:= ((9 - (9 + 9)/9) \times ((9 + 9)/9)^9) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3504 &:= (1 + 1) \times ((1 + 11) \times (1 + (1 + (1 + 11)^{1+1}))) \\
&:= 2 \times (2 \times (2 \times ((2 \times (222 - 2)) - 2))) \\
&:= ((3 + 3)^3 + 3) \times (3^3 - 33/3) \\
&:= 4 \times (44 \times (4 \times 4 + 4) - 4) \\
&:= 5 + (((5 \times (5 \times (5 + 5 + 5))) - 5/5) + 5^5) \\
&:= 6 + (66 \times ((66/6 + 6 \times 6) + 6)) \\
&:= (7 \times 7 - 7/7) \times ((77 - 77/7) + 7) \\
&:= 8 + (8 \times 8 \times (8 \times 8 - 8) - 88) \\
&:= 9 + ((9999/((9 + 9 + 9)/9)) + 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3505 &:= 1 + ((1 + 1) \times ((1 + 11) \times (1 + (1 + (1 + 11)^{1+1})))) \\
&:= (2 \times (2 \times 22 - 2)^2) - (22 + 2/2) \\
&:= 3 + ((3/3 + 33) \times ((3 \times 33 + 3/3) + 3)) \\
&:= 4/4 + (4 \times (44 \times (4 \times 4 + 4) - 4)) \\
&:= 5 + ((5 \times (5 \times (5 + 5 + 5))) + 5^5) \\
&:= (6 - 6/6) \times ((666 - 6/6) + 6 \times 6) \\
&:= 77 + (7 \times 7 \times (77 - 7) - ((7 + 7)/7)) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 - 8) - 88) + 8/8) \\
&:= 9 + ((9 - 9/9) \times (((9 \times 9 \times 99 + 9)/9 + 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3506 &:= (1 + 1) \times (1 + ((1 + 11) \times (1 + (1 + (1 + 11)^{1+1})))) \\
&:= (2 \times (2 \times 22 - 2)^2) - 22 \\
&:= 33 + (((33/3 + 3)^3) + 3^{3+3}) \\
&:= (4 + 4)/4 + (4 \times (44 \times (4 \times 4 + 4) - 4)) \\
&:= 5 + (((5 \times (5 \times (5 + 5 + 5))) + 5^5) + 5/5) \\
&:= 6 + ((6 \times 6 - 6/6) \times (((6 + 6)/6)^6 + 6 \times 6)) \\
&:= 77 + (7 \times 7 \times (77 - 7) - 7/7) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 - 8) - 88) + ((8 + 8)/8)) \\
&:= 9 \times 9 \times (9 + 9) + (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3507 &:= ((11111 - 1)/(1 + 1)) - (1 + 1)^{11} \\
&:= 2/2 + ((2 \times (2 \times 22 - 2)^2) - 22) \\
&:= 3 \times ((33/3)^3 - (3 + 3) \times 3^3) \\
&:= (4 + 4) \times 444 - (44 + 4/4) \\
&:= 5^5 + (5^5/5 - ((5 - (5 + 5)/5)^5)) \\
&:= 6 + (((6 \times 6/(6 + 6))^6) + (66 \times (6 \times 6 + 6))) \\
&:= 77 + 7 \times 7 \times (77 - 7) \\
&:= (8 - 8/8) \times (8 \times 8 \times 8 - 88/8) \\
&:= (9 - (9 + 9)/9) \times (((9 + 9)/9)^9) - (99/9)
\end{aligned}$$

- ▶ 3508 := $((1 + 11111)/(1 + 1)) - (1 + 1)^{11}$
:= $2 + ((2 \times (2 \times 22 - 2)^2) - 22)$
:= $3^3 + (((33 - 3/3) + 3^3)^{3-3/3})$
:= $(4 + 4) \times 444 - 44$
:= $5 + ((55/5 \times ((5^5 + 5)/(5 + 5) + 5)) + 5)$
:= $((6 - 6/6) \times (666 + 6 \times 6)) - (6 + 6)/6$
:= $7/7 + (7 \times 7 \times (77 - 7) + 77)$
:= $((8 \times 888) - 88)/((8 + 8)/8)$
:= $((9 + 9)/9) \times ((9 + 9) \times 99 - ((9/9 + 9 + 9) + 9))$
- ▶ 3509 := $11 \times (11 \times ((11 - 1) \times (1 + 1 + 1) - 1))$
:= $22^2 + ((22/2 + 2 \times 22)^2)$
:= $(33/3)^3 + (3 \times (3^{3+3} - 3))$
:= $4/4 + ((4 + 4) \times 444 - 44)$
:= $5^5 + (((55 + 5)/5) \times ((5 + 5)/5)^5)$
:= $((6 - 6/6) \times (666 + 6 \times 6)) - 6/6$
:= $77 + (7 \times 7 \times (77 - 7) + ((7 + 7)/7))$
:= $(8 \times (8 \times (8 \times 8 - 8) - 8)) - 88/8$
:= $((9 + 9)/9)^9 + 9 \times ((9 + 9) \times (9 + 9) + 9)$
- ▶ 3510 := $1 + (11 \times (11 \times ((11 - 1) \times (1 + 1 + 1) - 1)))$
:= $(2 \times ((2 \times 22 - 2)^2 + 2)) - 22$
:= $3 \times (33 \times 33 + 3 \times 3^3)$
:= $(4 + 4)/4 + ((4 + 4) \times 444 - 44)$
:= $5^5 + (55 \times ((5 + 5)/5 + 5))$
:= $(6 - 6/6) \times (666 + 6 \times 6)$
:= $((77 - 7)/7) \times ((7 \times 7 \times 7 + 7/7) + 7)$
:= $(8 - 88)/8 + (8 \times (8 \times (8 \times 8 - 8) - 8))$
:= $9 + (((9 + 9) \times ((99 + 9 \times 9) + 9)) + 99)$
- ▶ 3511 := $(1 + 1)^{11} + (11 \times (1 + (11 \times (1 + 11))))$
:= $2 + (((22/2 + 2 \times 22)^2) + 22^2)$
:= $3/3 + (3 \times (33 \times 33 + 3 \times 3^3))$
:= $4 + (4 + 4) \times 444 - (44 + 4/4)$
:= $5^5 + (555/5 + 5 \times 55)$
:= $6/6 + ((6 - 6/6) \times (666 + 6 \times 6))$
:= $77/7 + ((77 - 7) \times (7/7 + 7 \times 7))$
:= $(8 \times (8 \times (8 \times 8 - 8) - 8)) - (8/8 + 8)$
:= $((9 - 9/9) \times (((9 + 9)/9)^9 - 9 \times 9 + 9)) - 9$
- ▶ 3512 := $(1 + 1)^{11} + ((1 + 11) \times (1 + 11^{1+1}))$
:= $2 \times (2 \times (2 \times ((22 - 2/2)^2) - 2))$
:= $3 + ((3 \times (3^{3+3} - 3)) + (33/3)^3)$
:= $4 + ((4 + 4) \times 444 - 44)$
:= $5^5 + ((555 + 5)/5 + 5 \times 55)$
:= $(6 + 6)/6 + ((6 - 6/6) \times (666 + 6 \times 6))$
:= $7 \times 7 \times 7 \times 7 + 7777/7$
:= $(8 \times (8 \times (8 \times 8 - 8) - 8)) - 8$
:= $((9 - (9 + 9)/9) \times (((9 + 9)/9)^9 - 9)) - 9$
- ▶ 3513 := $1 + ((1 + 1)^{11} + ((1 + 11) \times (1 + 11^{1+1})))$
:= $(2 \times ((2 \times 22 - 2)^2 - 2)) - 22/2$
:= $3 + (3 \times (33 \times 33 + 3 \times 3^3))$
:= $4 + (((4 + 4) \times 444 - 44) + 4/4)$
:= $5^5 + ((555 + 5 + 5)/5 + 5 \times 55)$
:= $6 \times (6 \times 6 - 6) + 6666 \times 6/(6 + 6)$
:= $7 + ((7 \times 7 \times (77 - 7) - 7/7) + 77)$
:= $8/8 + ((8 \times (8 \times (8 \times 8 - 8) - 8)) - 8)$
:= $999/9 + ((9 + 9) \times ((99 + 9 \times 9) + 9))$
- ▶ 3514 := $1 + (1 + ((1 + 1)^{11} + ((1 + 11) \times (1 + 11^{1+1}))))$
:= $2 + (2 \times (2 \times (2 \times ((22 - 2/2)^2) - 2)))$
:= $3 + ((3 \times (33 \times 33 + 3 \times 3^3)) + 3/3)$
:= $((44 - 4)/4 + 4) \times (4^4 - 4/4 - 4)$
:= $5^5 + (5 \times (5 \times 5 + 55) - (55/5))$
:= $((6 + 6)/6)^6 \times (66 - 66/6) - 6$
:= $7 + (7 \times 7 \times (77 - 7) + 77)$
:= $(8 + 8)/8 + ((8 \times (8 \times (8 \times 8 - 8) - 8)) - 8)$
:= $(9 - (9 + 9)/9) \times (((9 + 9)/9)^9 - (9/9 + 9))$
- ▶ 3515 := $11 + ((1 + 1) \times ((1 + 11) \times (1 + (1 + (1 + 11)^{1+1}))))$
:= $(2 \times (2 \times 22 - 2)^2) - (22/2 + 2)$
:= $(33/3)^3 + (3 \times 3^{3+3} - 3)$
:= $44 + (((4 + 4)^4) - (4/4 + 4)^4)$
:= $5 + (55 \times ((5 + 5)/5 + 5)) + 5^5$
:= $6 \times 66 + (((6 - 6/6)^{6-6/6}) - 6)$
:= $7 + ((7 \times 7 \times (77 - 7) + 77) + 7/7)$
:= $8 + ((8 - 8/8) \times (8 \times 8 \times 8 - 88/8))$
:= $9 + (((9 + 9)/9)^{99/9} + 9 \times 9 \times (9 + 9))$
- ▶ 3516 := $(1 + 11) \times (1 + ((1 + 1) \times (1 + (1 + (1 + 11)^{1+1}))))$
:= $2 \times ((2 \times 22 - 2)^2 - (2 + 2 + 2))$
:= $(3 + 3)^3 + (3333 - 33)$
:= $(4 \times 44 \times (4 \times 4 + 4)) - 4$
:= $5 + ((555/5 + 5 \times 55) + 5^5)$
:= $6 + ((6 - 6/6) \times (666 + 6 \times 6))$
:= $(7 - 7/7) \times (7 \times (77 + 7) - ((7 + 7)/7))$
:= $((8 \times (888 - 8)) - 8)/((8 + 8)/8)$
:= $9 + ((9 - (9 + 9)/9) \times (((9 + 9)/9)^9 - (99/9)))$
- ▶ 3517 := $(1 + 1)^{11} + ((1 + 1 + 11) \times (1 + 1 + 111))$
:= $(2 \times (2 \times 22 - 2)^2) - 22/2$
:= $(33/3)^3 + (3 \times 3^{3+3} - 3/3)$
:= $4/4 + ((4 \times 44 \times (4 \times 4 + 4)) - 4)$
:= $5^5 + (((5 + 5)/5 + 5) \times (55 + 5/5))$
:= $6 \times 6 + (((66 - 6/6 - 6)^{(6+6)/6}) - 6)$
:= $((7 \times 7 - 7) \times (77 + 7)) - 77/7$
:= $8 + ((8 \times (8 \times (8 \times 8 - 8) - 8)) - (88/8))$
:= $((99 - 9/9) \times ((9 + 9 + 9) + 9)) - 99/9$
- ▶ 3518 := $((111 - 1) \times ((11 \times (1 + 1 + 1)) - 1)) - 1 - 1$
:= $(2^{2+2} \times (222 - 2)) - 2$
:= $(33/3)^3 + 3 \times 3^{3+3}$
:= $(4 \times 44 \times (4 \times 4 + 4)) - (4 + 4)/4$
:= $5 \times 5 + (((5^5 + 5)/(5 + 5) + 5^5) + 55)$
:= $6 + (((6 - 6/6) \times (666 + 6 \times 6)) + ((6 + 6)/6))$
:= $77 + (7 \times 7 \times (77 - 7) + (77/7))$
:= $(8 \times (8 \times (8 \times 8 - 8) - 8)) - (8 + 8)/8$
:= $9 + (9 \times ((9 + 9) \times (9 + 9) + 9) + ((9 + 9)/9)^9)$
- ▶ 3519 := $((111 - 1) \times ((11 \times (1 + 1 + 1)) - 1)) - 1$
:= $(2^{2+2} \times (222 - 2)) - 2/2$
:= $3 \times ((33 \times 33 + 3 \times 3^3) + 3)$
:= $(4 \times 44 \times (4 \times 4 + 4)) - 4/4$
:= $5^5 + ((5 - 5/5)^5 - (5^5/5 + 5))$
:= $(6 \times 6/(6 + 6) + 6) \times ((6 \times 66 - 6) + 6/6)$
:= $7 + (7777/7 + 7 \times 7 \times 7 \times 7)$
:= $(8 \times (8 \times (8 \times 8 - 8) - 8)) - 8/8$
:= $9 \times (((99/9 + 9)^{(9+9)/9}) - 9)$
- ▶ 3520 := $(111 - 1) \times ((11 \times (1 + 1 + 1)) - 1)$
:= $2^{2+2} \times (222 - 2)$
:= $(33 - 3/3) \times ((333 - 3)/3)$
:= $4 \times 44 \times (4 \times 4 + 4)$
:= $5^5 + (5 \times (5 \times 5 + 55) - 5)$
:= $((6 + 6)/6)^6 \times (66 - 66/6)$
:= $((7 \times 7 - 7) \times (77 + 7)) - (7/7 + 7)$
:= $8 \times (8 \times (8 \times 8 - 8) - 8)$
:= $(9 - 9/9) \times (((9 + 9)/9)^9 - 9 \times 9 + 9)$
- ▶ 3521 := $1 + ((111 - 1) \times ((11 \times (1 + 1 + 1)) - 1))$
:= $2/2 + (2^{2+2} \times (222 - 2))$
:= $3 + ((33/3)^3 + 3 \times 3^{3+3})$
:= $4/4 + (4 \times 44 \times (4 \times 4 + 4))$
:= $5^5 + ((5 \times (5 \times 5 + 55) - 5) + 5/5)$
:= $6 \times 66 + ((6 - 6/6)^{6-6/6})$
:= $((7 \times 7 - 7) \times (77 + 7)) - 7$
:= $8/8 + (8 \times (8 \times (8 \times 8 - 8) - 8))$
:= $(9 - (9 + 9)/9) \times (((9 + 9)/9)^9 - 9)$
- ▶ 3522 := $1 + (1 + ((111 - 1) \times ((11 \times (1 + 1 + 1)) - 1)))$
:= $2 + (2^{2+2} \times (222 - 2))$
:= $(3 + 3) \times (((3 \times 3 + 3)^3 + 33)/3)$
:= $(4 + 4)/4 + (4 \times 44 \times (4 \times 4 + 4))$
:= $(5/5 + 5) \times (((5 + 5)/5)^5 + 555)$
:= $66 + (6 \times (6 \times (6 \times 6 - 6 + 66)))$
:= $7/7 + (((7 \times 7 - 7) \times (77 + 7)) - 7)$
:= $(8 + 8)/8 + (8 \times (8 \times (8 \times 8 - 8) - 8))$
:= $9/9 + ((9 - (9 + 9)/9) \times (((9 + 9)/9)^9 - 9))$

- ▶ 3523 := $1 + (1 + (1 + ((111 - 1) \times ((11 \times (1 + 1 + 1)) - 1))))$
:= $2 \times ((2 \times 22 - 2)^2 - 2) - 2/2$
:= $3 + ((33 - 3/3) \times ((333 - 3)/3))$
:= $4 + ((4 \times 44 \times (4 \times 4 + 4)) - 4/4)$
:= $5^5 + ((5 - 5/5)^5 - (5^5 + 5)/5)$
:= $6 \times (6 \times 66 + 6) + (6666/6)$
:= $(7 + 7)/7 + (((7 \times 7 - 7) \times (77 + 7)) - 7)$
:= $88/8 + ((8 \times (8 \times (8 \times 8 - 8) - 8)) - 8)$
:= $9 + ((9 - (9 + 9)/9) \times (((9 + 9)/9)^9) - (9/9 + 9))$
- ▶ 3528 := $(1 + 1) \times (((1 + 1) \times (11 + (11 - 1)))^{1+1})$
:= $2 \times (2 \times 22 - 2)^2$
:= $(3 \times 3 + 3) \times (3 \times 3 \times 33 - 3)$
:= $4 + ((4 \times 44 \times (4 \times 4 + 4)) + 4)$
:= $(55 + 5/5) \times (5^5/5 + 5)/(5 + 5)$
:= $6 \times (666 - (66 + 6 + 6))$
:= $(7 \times 7 - 7) \times (77 + 7)$
:= $8 + (8 \times (8 \times (8 \times 8 - 8) - 8))$
:= $(99 - 9/9) \times ((9 + 9 + 9) + 9)$
- ▶ 3533 := $1 + (1 + (11 \times ((1 + 1 + 1) \times 111 - (1 + 11))))$
:= $2/2 + (2 \times ((2 \times 22 - 2)^2 + 2))$
:= $3 + (((3 \times (3^{3+3} + 3)) + (33/3)^3) + 3)$
:= $4/4 + ((4 + 4) \times 444 - (4 \times 4 + 4))$
:= $5 + ((55 + 5/5) \times (5^5/5 + 5)/(5 + 5))$
:= $(6 \times (666 - 66)) - (66 + 6/6)$
:= $7 + (((7 \times 7 - 7) \times (77 + 7)) - ((7 + 7)/7))$
:= $8 + (((8 - 88/8) + 8) \times (8 \times 88 + 8/8))$
:= $((99/9) \times ((9 + 9) \times (9 + 9) - ((9 + 9)/9))) - 9$
- ▶ 3524 := $(1 + 1) \times (((1 + 1) \times (11 + (11 - 1)))^{1+1}) - (1 + 1)$
:= $2 \times ((2 \times 22 - 2)^2 - 2)$
:= $3 + (((33/3)^3 + 3 \times 3^{3+3}) + 3)$
:= $4 + (4 \times 44 \times (4 \times 4 + 4))$
:= $5^5 + ((5 - 5/5)^5 - 5^5/5)$
:= $6 \times (6 \times 66 + 6) + (6666 + 6)/6$
:= $7 + (((7 \times 7 - 7) \times (77 + 7)) - (77/7))$
:= $((8 \times (888 - 8)) + 8)/(8 + 8/8)$
:= $((9 + 9)/9) \times ((9 + 9) \times 99 - (99/9 + 9))$
- ▶ 3529 := $1 + ((1 + 1) \times (((1 + 1) \times (11 + (11 - 1)))^{1+1}))$
:= $2/2 + (2 \times (2 \times 22 - 2)^2)$
:= $3/3 + ((3 \times 3 + 3) \times (3 \times 3 \times 33 - 3))$
:= $4 + (((4 \times 44 \times (4 \times 4 + 4)) + 4/4) + 4)$
:= $5 + (((5 - 5/5)^5 - 5^5/5) + 5^5)$
:= $6/6 + (6 \times (666 - (66 + 6 + 6)))$
:= $7/7 + ((7 \times 7 - 7) \times (77 + 7))$
:= $8 + ((8 \times (8 \times (8 \times 8 - 8) - 8)) + 8/8)$
:= $9/9 + ((99 - 9/9) \times ((9 + 9 + 9) + 9))$
- ▶ 3534 := $(1 + 1 + 1) \times (1 + (11 \times (111 - (1 + 1 + 1 + 1))))$
:= $2 + (2 \times ((2 \times 22 - 2)^2 + 2))$
:= $3 + (33 \times (3 + 3) + 3333)$
:= $(4 + 4) \times 444 - ((4 + 4)/4 + 4 \times 4)$
:= $(5/5 + 5) \times (((5^5 - 55)/5) - 5 \times 5)$
:= $(6 \times (666 - 66)) - 66$
:= $7 + (((7 \times 7 - 7) \times (77 + 7)) - 7/7)$
:= $((8/8 - 8) + 8 \times 8) \times (8 \times 8 - ((8 + 8)/8))$
:= $(9 \times ((9 + 9) \times (9 + 9) + 9 \times 9)) - 999/9$
- ▶ 3525 := $((1 + 1) \times (((1 + 1) \times (11 + (11 - 1)))^{1+1}) - 1) - 1$
:= $2/2 + (2 \times ((2 \times 22 - 2)^2 - 2))$
:= $3333 + (3 \times ((3/3 + 3)^3))$
:= $4 + ((4 \times 44 \times (4 \times 4 + 4)) + 4/4)$
:= $5^5 + 5 \times (5 \times 5 + 55)$
:= $(6 - 6/6) \times (((66 \times ((6 + 6)/6)^6) + 6)/6)$
:= $(7 \times 7 - (7 + 7)/7) \times (77 - (7 + 7)/7)$
:= $((8 - 88/8) + 8) \times (8 \times 88 + 8/8)$
:= $(9 \times ((9 + 9) \times (9 + 9) + 9 \times 9)) - (999/9 + 9)$
- ▶ 3530 := $(11^{1+1+1+1}) - 11111$
:= $2 + (2 \times (2 \times 22 - 2)^2)$
:= $3 + ((3 \times (3^{3+3} + 3)) + (33/3)^3)$
:= $(4 + 4)/4 \times (4 \times 444 - 44/4)$
:= $5 + (5 \times (5 \times 5 + 55) + 5^5)$
:= $(6 + 6)/6 + (6 \times (666 - (66 + 6 + 6)))$
:= $(7 + 7)/7 + ((7 \times 7 - 7) \times (77 + 7))$
:= $8 + ((8 \times (8 \times (8 \times 8 - 8) - 8)) + ((8 + 8)/8))$
:= $9 + ((9 - (9 + 9)/9) \times (((9 + 9)/9)^9) - 9)$
- ▶ 3535 := $((1 + 1)^{1+1+1}) - ((11 + 1111)/(1 + 1))$
:= $2 + ((2 \times ((2 \times 22 - 2)^2 + 2)) + 2/2)$
:= $3 + ((33 \times (3 + 3) + 3333) + 3/3)$
:= $(4 \times 4 \times (4^4 + 4)) - (4/4 + 4)^4$
:= $5 + ((5 \times (5 \times 5 + 55) + 5^5) + 5)$
:= $6/6 + ((6 \times (666 - 66)) - 66)$
:= $7 + ((7 \times 7 - 7) \times (77 + 7))$
:= $(8 - 8/8) \times ((8 \times 8 \times 8 - 8) + 8/8)$
:= $((9 + 9)/9 + 99) \times (((9 - 9/9) + 9) + 9) + 9$
- ▶ 3526 := $(1 + 1) \times (((1 + 1) \times (11 + (11 - 1)))^{1+1}) - 1$
:= $(2 \times (2 \times 22 - 2)^2) - 2$
:= $((3 \times (3 + 3)) + 3/3)^3 - 3333$
:= $4 + ((4 \times 44 \times (4 \times 4 + 4)) + (4 + 4)/4)$
:= $5^5 + (5 \times (5 \times 5 + 55) + 5/5)$
:= $6 + (((6 + 6)/6)^6 \times (66 - 66/6))$
:= $((7 \times 7 - 7) \times (77 + 7)) - (7 + 7)/7$
:= $8 + ((8 \times (8 \times (8 \times 8 - 8) - 8)) - ((8 + 8)/8))$
:= $((9 + 9)/9) \times ((9 + 9) \times 99 - (9/9 + 9 + 9))$
- ▶ 3531 := $11 \times ((1 + 1 + 1) \times 111 - (1 + 11))$
:= $2 + ((2 \times (2 \times 22 - 2)^2) + 2/2)$
:= $33 \times ((3 \times (33 + 3)) - 3/3)$
:= $44/4 + (4 \times 44 \times (4 \times 4 + 4))$
:= $5 + ((5 \times (5 \times 5 + 55) + 5^5) + 5/5)$
:= $(6666 + 6 \times 66)/(6 + 6)/6$
:= $(7 + 7 + 7)/7 + ((7 \times 7 - 7) \times (77 + 7))$
:= $88/8 + (8 \times (8 \times (8 \times 8 - 8) - 8))$
:= $99/9 \times ((9 + 9) \times (9 + 9) - ((9 + 9 + 9)/9))$
- ▶ 3536 := $(1 + 1)^{1+1+1+1} \times ((1 + 1) \times 111 - 1)$
:= $2 \times (((2 \times 22 - 2)^2 + 2) + 2)$
:= $(33/3)^3 + (3 \times ((3^{3+3} + 3) + 3))$
:= $4 \times (44 \times (4 \times 4 + 4) + 4)$
:= $55 + ((55 - 5/5 + 5)^{(5+5)/5})$
:= $(6 \times (666 - 66)) - ((6 + 6)/6)^6$
:= $7 + (((7 \times 7 - 7) \times (77 + 7)) + 7/7)$
:= $8 + ((8 \times (8 \times (8 \times 8 - 8) - 8)) + 8)$
:= $9 + (((99 - 9/9) \times ((9 + 9 + 9) + 9)) - 9/9)$
- ▶ 3527 := $((1 + 1) \times (((1 + 1) \times (11 + (11 - 1)))^{1+1})) - 1$
:= $(2 \times (2 \times 22 - 2)^2) - 2/2$
:= $(33/3)^3 + (3 \times (3^{3+3} + 3))$
:= $4 + (((4 \times 44 \times (4 \times 4 + 4)) - 4/4) + 4)$
:= $5^5 + (5 \times (5 \times 5 + 55) + ((5 + 5)/5))$
:= $6 + (((6 - 6/6)^{6-6/6}) + 6 \times 66)$
:= $((7 \times 7 - 7) \times (77 + 7)) - 7/7$
:= $8 + ((8 \times (8 \times (8 \times 8 - 8) - 8)) - 8/8)$
:= $((99 - 9/9) \times ((9 + 9 + 9) + 9)) - 9/9$
- ▶ 3532 := $1 + (11 \times ((1 + 1 + 1) \times 111 - (1 + 11)))$
:= $2 \times ((2 \times 22 - 2)^2 + 2)$
:= $3/3 + (33 \times (3 + 3) + 3333)$
:= $(4 + 4) \times 444 - 4 \times 4 - 4$
:= $5^5 + (55/5 \times (((5 + 5)/5)^5 + 5))$
:= $6 + (((6 + 6)/6)^6 \times (66 - 66/6) + 6)$
:= $77/7 + (((7 \times 7 - 7) \times (77 + 7)) - 7)$
:= $8 + (((8 \times (888 - 8)) + 8)/(8 + 8)/8)$
:= $((9 \times 9 - 9)/(9 + 9)) \times ((9 \times 99 - 9) + 9/9)$
- ▶ 3537 := $((11 \times (1 + 11)) - 1) \times (1 + 1 + 1)^{1+1+1}$
:= $2/2 + (2 \times (((2 \times 22 - 2)^2 + 2) + 2))$
:= $3 \times (3 \times ((33 \times (3 \times 3 + 3)) - 3))$
:= $4/4 + (4 \times (44 \times (4 \times 4 + 4) + 4))$
:= $5 + ((55/5 \times (((5 + 5)/5)^5 + 5)) + 5^5)$
:= $6 + ((6666 + 6 \times 66)/(6 + 6)/6)$
:= $7 + (7 \times 7 - 7) \times (77 + 7) + (7 + 7)/7$
:= $8 + (((8 \times (8 \times (8 \times 8 - 8) - 8)) + 8/8) + 8)$
:= $9 + ((99 - 9/9) \times ((9 + 9 + 9) + 9))$

$$\begin{aligned}
\blacktriangleright 3538 &:= (1 + 11^{1+1}) \times ((11 - 1) \times (1 + 1 + 1)) - 1 \\
&:= 2 + (2 \times ((2 \times 22 - 2)^2 + 2) + 2) \\
&:= 3/3 + (3 \times (3 \times ((33 \times (3 \times 3 + 3)) - 3))) \\
&:= (4 + 4)/4 + (4 \times (44 \times (4 \times 4 + 4) + 4)) \\
&:= 5^5 + ((5^5 + 5)/(5 + 5) + 5 \times (5 \times 5 - 5)) \\
&:= (((6 + 6)/6)^6 - 6) \times (66 - 6 + 6/6) \\
&:= ((77 - 7)/7) + ((7 \times 7 - 7) \times (77 + 7)) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 - 8) - 8)) + ((8 + 8)/8)) + 8) \\
&:= 9 + (((99 - 9/9) \times ((9 + 9 + 9) + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3543 &:= 1 + (11 \times ((1 + 1 + 1) \times 111 - 11)) \\
&:= 2 + ((2^{2+2} \times 222) - 22/2) \\
&:= (3 + 3)^3 + (3333 - (3 + 3)) \\
&:= (4 + 4) \times 444 - (4/4 + 4 + 4) \\
&:= ((5 - (5 + 5)/5)^5) + 55 \times (55 + 5) \\
&:= 6 \times 6 \times 6 + (6666 \times 6/(6 + 6) - 6) \\
&:= 7 + (((7 \times 7 - 7) \times (77 + 7)) + 7/7) + 7) \\
&:= 8 + ((8 - 8/8) \times ((8 \times 8 \times 8 - 8) + 8/8)) \\
&:= ((9 + 9) \times (99 + 99)) - ((99 + 9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3548 &:= ((11 + (11 - 1)) \times (1 + 1 + 11)^{1+1}) - 1 \\
&:= 2 \times ((2 \times 2 \times 2 \times 222) - 2) \\
&:= (3 + 3)^3 + (3333 - 3/3) \\
&:= (4 + 4) \times 444 - 4 \\
&:= 5 + (((5 - (5 + 5)/5)^5) + 55 \times (55 + 5)) \\
&:= (6 - 66)/6 + ((66 \times (66 - 6 - 6)) - 6) \\
&:= 7 + (7 \times 7 \times (77 - 7) + 777/7) \\
&:= ((8 \times 888) - 8)/((8 + 8)/8) \\
&:= ((9 + 9)/9) \times (((9 + 9) \times 99 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3539 &:= 1 + ((1 + 11^{1+1}) \times ((11 - 1) \times (1 + 1 + 1)) - 1) \\
&:= 22/2 + (2 \times (2 \times 22 - 2)^2) \\
&:= (33/3 \times (333 - 33/3)) - 3 \\
&:= 4 + ((4 \times 4 \times (4^4 + 4)) - (4/4 + 4)^4) \\
&:= 55 \times 55 + (5^5 - 555)/5 \\
&:= ((6 - 66) \times ((6/6 - 66) + 6)) - 6/6 \\
&:= 77/7 + ((7 \times 7 - 7) \times (77 + 7)) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8) - 8)) + (88/8)) \\
&:= 9 + (((9 - (9 + 9)/9) \times (((9 + 9)/9)^9) - 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3544 &:= 1 + (1 + (11 \times ((1 + 1 + 1) \times 111 - 11))) \\
&:= 2 \times (2 \times (2 \times 2 \times 222 - 2)) \\
&:= (3 \times ((33 \times (33 + 3)) - 3)) - 33/3 \\
&:= (4 + 4) \times (444 - 4/4) \\
&:= ((55 + 5)^{(5+5)/5}) - (55 + 5/5) \\
&:= 6 + (((6 + 6)/6)^6 - 6) \times (66 - 6 + 6/6) \\
&:= 7 + (((7 \times 7 - 7) \times (77 + 7)) + ((7 + 7)/7)) + 7) \\
&:= (8 \times 888/((8 + 8)/8)) - 8 \\
&:= ((9 + 9)/9) \times ((9 + 9) \times 99 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3549 &:= (11 + (11 - 1)) \times (1 + 1 + 11)^{1+1} \\
&:= (22 - 2/2) \times ((22/2 + 2)^2) \\
&:= (3 + 3)^3 + 3333 \\
&:= 4/4 + ((4 + 4) \times 444 - 4) \\
&:= 5^5 + ((5 - 5/5) \times (555/5 - 5)) \\
&:= 6 \times 6 \times 6 + 6666 \times 6/(6 + 6) \\
&:= 7 + (((7 \times 7 - 7) \times (77 + 7)) + 7) + 7) \\
&:= 8/8 + ((8 \times 888) - 8)/((8 + 8)/8) \\
&:= 9 + ((9/9 + 9) \times (9 \times (9 + 9 + 9) + 999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3540 &:= ((1 + 1)^{1+1+1}) - ((1 + 1111)/(1 + 1)) \\
&:= 2 \times (((2 \times 22 - 2)^2 + 2) + 2) \\
&:= 3 + (3 \times (3 \times ((33 \times (3 \times 3 + 3)) - 3))) \\
&:= 4 + (4 \times (44 \times (4 \times 4 + 4) + 4)) \\
&:= (55 + 5) \times (55 - 5/5 + 5) \\
&:= (6 - 66) \times ((6/6 - 66) + 6) \\
&:= (7 - 7/7) \times (7 \times (77 + 7) + ((7 + 7)/7)) \\
&:= (((8 \times 888) - 8)/((8 + 8)/8)) - 8 \\
&:= (9/9 + 9) \times (9 \times (9 + 9 + 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3545 &:= 1 + (1 + (1 + (11 \times ((1 + 1 + 1) \times 111 - 11)))) \\
&:= 2/2 + (2 \times (2 \times (2 \times 2 \times 222 - 2))) \\
&:= 3 + (33/3 \times (333 - 33/3)) \\
&:= 4 + ((4 + 4) \times 444 - 44/4) \\
&:= ((55 + 5)^{(5+5)/5}) - 55 \\
&:= 6 + (((6 - 66) \times ((6/6 - 66) + 6)) - 6/6) \\
&:= 7 + (((7 \times 7 - 7) \times (77 + 7)) + ((77 - 7)/7)) \\
&:= 8/8 + ((8 \times 888/((8 + 8)/8)) - 8) \\
&:= ((9 + 9) \times (99 + 99)) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3550 &:= (111 \times ((11 \times (1 + 1 + 1)) - 1)) - 1 - 1 \\
&:= (2^{2+2} \times 222) - 2 \\
&:= 3/3 + (3333 + (3 + 3)^3) \\
&:= (4 + 4) \times 444 - (4 + 4)/4 \\
&:= 5^5 + (5 \times (5 \times 5 + 55 + 5)) \\
&:= (6 - 6/6) \times (((66/6) \times ((6 + 6)/6)^6) + 6) \\
&:= (7/7 + 7 \times 7) \times ((7/7 - 7) + 77) \\
&:= (8 \times 888/((8 + 8)/8)) - (8 + 8)/8 \\
&:= (9/9 + 9) \times (((9 + 9)/9)^{9-9/9} + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3541 &:= (111 \times ((11 \times (1 + 1 + 1)) - 1)) - 11 \\
&:= (2^{2+2} \times 222) - 22/2 \\
&:= ((333 \times (33 - 3/3)) - 33)/3 \\
&:= (4 + 4) \times 444 - 44/4 \\
&:= (5 - 5/5)^{5/5+5} - 555 \\
&:= 6/6 + ((6 - 66) \times ((6/6 - 66) + 6)) \\
&:= 777/7 + 7 \times 7 \times (77 - 7) \\
&:= (8 \times 888/((8 + 8)/8)) - 88/8 \\
&:= 9999/9 + (9 \times 9 + 9) \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3546 &:= ((1 + 1)^{1+1+1}) - ((1111 - 11)/(1 + 1)) \\
&:= 2 + (2 \times (2 \times (2 \times 2 \times 222 - 2))) \\
&:= 3 \times ((33 \times (33 + 3)) - (3 + 3)) \\
&:= (4 + 4) \times 444 - ((4 + 4)/4 + 4) \\
&:= 5 + ((5 - 5/5)^{5/5+5} - 555) \\
&:= 6 + ((6 - 66) \times ((6/6 - 66) + 6)) \\
&:= 7 + (((7 \times 7 - 7) \times (77 + 7)) + (77/7)) \\
&:= (8 + 8)/8 + ((8 \times 888/((8 + 8)/8)) - 8) \\
&:= (9 + 9) \times ((99 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3551 &:= (111 \times ((11 \times (1 + 1 + 1)) - 1)) - 1 \\
&:= (2^{2+2} \times 222) - 2/2 \\
&:= ((333 \times (33 - 3/3)) - 3)/3 \\
&:= (4 + 4) \times 444 - 4/4 \\
&:= 5^5 + ((5 \times (5 \times 5 + 55 + 5)) + 5/5) \\
&:= (66 + 6/6) \times ((66/6 + 6 \times 6) + 6) \\
&:= ((7 + 7)/7)^7 + (7 \times 7 \times (77 - 7) - 7) \\
&:= (8 \times 888/((8 + 8)/8)) - 8/8 \\
&:= 9 + ((99/9) \times ((9 + 9) \times (9 + 9) - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3542 &:= 11 \times ((1 + 1 + 1) \times 111 - 11) \\
&:= 22 + (2^{2+2} \times (222 - 2)) \\
&:= 33/3 \times (333 - 33/3) \\
&:= (4 - 44)/4 + (4 + 4) \times 444 \\
&:= 5^5 + ((5^5 + 5^5 + 5)/(5 + 5 + 5)) \\
&:= 6 + ((6 \times (666 - 66)) - ((6 + 6)/6)^6) \\
&:= 7 + (((7 \times 7 - 7) \times (77 + 7)) + 7) \\
&:= (8 - 8/8) \times (((8 + 8)/8) - 8) + 8 \times 8 \times 8) \\
&:= 99/9 \times ((9 + 9) \times (9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3547 &:= ((11 + (11 - 1)) \times (1 + 1 + 11)^{1+1}) - 1 - 1 \\
&:= (2^{2+2} \times 222) - (2/2 + 2 + 2) \\
&:= 3/3 + ((3333 - 3) + (3 + 3)^3) \\
&:= (4 + 4) \times 444 - (4/4 + 4) \\
&:= (((5 + 5)/5)^5 \times 555/5) - 5 \\
&:= 66 + ((66 - 6/6 - 6)^{(6+6)/6}) \\
&:= 7 \times (7 \times 77 - 7 - 7) - ((7 + 7)/7)^7 \\
&:= (((8 \times 888) - 8)/((8 + 8)/8)) - 8/8 \\
&:= 9/9 + ((9 + 9) \times ((99 - 9/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3552 &:= 111 \times ((11 \times (1 + 1 + 1)) - 1) \\
&:= 2^{2+2} \times 222 \\
&:= 3 + (3333 + (3 + 3)^3) \\
&:= (4 + 4) \times 444 \\
&:= ((5 + 5)/5)^5 \times 555/5 \\
&:= (66 \times (66 - 6 - 6)) - 6 - 6 \\
&:= (7 \times 7 - 7/7) \times (77 - ((7 + 7 + 7)/7)) \\
&:= 8 \times 888/((8 + 8)/8) \\
&:= ((9 + 9) \times (99 + 99)) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3553 &:= 1 + (111 \times ((11 \times (1 + 1 + 1)) - 1)) \\
&:= 2/2 + (2^{2+2} \times 222) \\
&:= (3 \times (33 \times (33 + 3))) - 33/3 \\
&:= 4/4 + (4 + 4) \times 444 \\
&:= 5/5 + (((5 + 5)/5)^5 \times 555/5) \\
&:= (66 \times (66 - 6 - 6)) - 66/6 \\
&:= 7 + (((7 \times 7 - 7) \times (77 + 7)) + (77/7)) + 7 \\
&:= 8/8 + (8 \times 888 / ((8 + 8)/8)) \\
&:= 99/9 \times ((9 + 9) \times (9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3554 &:= 1 + (1 + (111 \times ((11 \times (1 + 1 + 1)) - 1))) \\
&:= 2 + (2^{2+2} \times 222) \\
&:= (3 \times ((33 \times (33 + 3)) - 3)) - 3/3 \\
&:= (4 + 4)/4 + (4 + 4) \times 444 \\
&:= 5^5 + (555 - (5 \times 5 \times 5 + 5/5)) \\
&:= (6 - 66)/6 + (66 \times (66 - 6 - 6)) \\
&:= 7 + (7 \times (7 \times 77 - 7 - 7) - ((7 + 7)/7)^7) \\
&:= (8 + 8)/8 + (8 \times 888 / ((8 + 8)/8)) \\
&:= ((9 + 9) \times (99 + 99)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3555 &:= 1 + (1 + (1 + (111 \times ((11 \times (1 + 1 + 1)) - 1)))) \\
&:= 2 + ((2^{2+2} \times 222) + 2/2) \\
&:= 3 \times ((33 \times (33 + 3)) - 3) \\
&:= 4 + ((4 + 4) \times 444 - 4/4) \\
&:= 5^5 + (555 - 5 \times 5 \times 5) \\
&:= (6 \times 6 / (6 + 6) + 6) \times (6 \times 66 - 6/6) \\
&:= 77 + ((7 \times (7 \times (77 - 7) + 7)) - 7/7) \\
&:= ((8 \times 888 + 8) / ((8 + 8)/8)) - 8/8 \\
&:= ((9 + 9) \times (99 + 99)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3556 &:= 1 + (1 + (1 + (1 + (111 \times ((11 \times (1 + 1 + 1)) - 1)))) \\
&:= 2 + ((2^{2+2} \times 222) + 2) \\
&:= 3/3 + (3 \times ((33 \times (33 + 3)) - 3)) \\
&:= 4 + (4 + 4) \times 444 \\
&:= 5^5 + ((555 - 5 \times 5 \times 5) + 5/5) \\
&:= (66 \times (66 - 6 - 6)) - ((6 + 6)/6 + 6) \\
&:= 77 + (7 \times (7 \times (77 - 7) + 7)) \\
&:= (8 \times 888 + 8) / ((8 + 8)/8) \\
&:= 9/9 + (((9 + 9) \times (99 + 99)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3557 &:= 1111 + ((1 + 1) \times (1 + (1 + 11 \times 111))) \\
&:= 2 + (((2^{2+2} \times 222) + 2/2) + 2) \\
&:= 3 + ((3 \times ((33 \times (33 + 3)) - 3)) - 3/3) \\
&:= 4 + ((4 + 4) \times 444 + 4/4) \\
&:= 5 + (((5 + 5)/5)^5 \times 555/5) \\
&:= (66 \times (66 - 6 - 6)) - 6/6 - 6 \\
&:= 7 + ((7/7 + 7 \times 7) \times ((7/7 - 7) + 77)) \\
&:= 8/8 + ((8 \times 888 + 8) / ((8 + 8)/8)) \\
&:= (9 + 9)/9 + (((9 + 9) \times (99 + 99)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3558 &:= (1 + 1 + 1) \times ((11 \times (111 - 1 - 1 - 1)) - (1 + 1)) \\
&:= 2 + (((2^{2+2} \times 222) + 2) + 2) \\
&:= 3 + (3 \times ((33 \times (33 + 3)) - 3)) \\
&:= 4 + ((4 + 4) \times 444 + (4 + 4)/4) \\
&:= (5/5 + 5) \times (5^5/5 - ((5 + 5)/5)^5) \\
&:= (66 \times (66 - 6 - 6)) - 6 \\
&:= ((7 + 7)/7)^7 + 7 \times 7 \times (77 - 7) \\
&:= 8 + ((8 \times 888 / ((8 + 8)/8)) - ((8 + 8)/8)) \\
&:= ((9 + 9)/9) \times ((9 + 9) \times 99 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3559 &:= 1 + ((1 + 1 + 1) \times ((11 \times (111 - 1 - 1 - 1)) - (1 + 1))) \\
&:= (2 \times (2 \times (2 \times 2 \times 222 + 2))) - 2/2 \\
&:= 3 + ((3 \times ((33 \times (33 + 3)) - 3)) + 3/3) \\
&:= 4 + (((4 + 4) \times 444 - 4/4) + 4) \\
&:= 55 \times (55 + 5 + 5) - (55/5 + 5) \\
&:= 6/6 + ((66 \times (66 - 6 - 6)) - 6) \\
&:= (7 \times (7 + 7) \times (7 + 7)) + ((7 + 7 + 7)/7)^7 \\
&:= 8 + ((8 \times 888 / ((8 + 8)/8)) - 8/8) \\
&:= ((9 - 99) / (9 + 9)) + ((9 + 9) \times (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3560 &:= 11 + ((11 + (11 - 1)) \times (1 + 1 + 11)^{1+1}) \\
&:= 2 \times (2 \times (2 \times 2 \times 222 + 2)) \\
&:= (3/3 + 3) \times ((33 \times 3^3) - 3/3) \\
&:= 4 + ((4 + 4) \times 444 + 4) \\
&:= 5 + ((555 - 5 \times 5 \times 5) + 5^5) \\
&:= (6 + 6)/6 + ((66 \times (66 - 6 - 6)) - 6) \\
&:= ((77 - 7)/7) \times (((7 \times 7 \times 7 - 7/7) + 7) + 7) \\
&:= 8 + (8 \times 888 / ((8 + 8)/8)) \\
&:= (9 - 9/9) \times ((9 \times 9 \times 99 - 9) / (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3561 &:= (1 + 1 + 1) \times ((11 \times (111 - 1 - 1 - 1)) - 1) \\
&:= 2/2 + (2 \times (2 \times (2 \times 2 \times 222 + 2))) \\
&:= (3 \times (33 \times (33 + 3))) - 3 \\
&:= 4 + (((4 + 4) \times 444 + 4/4) + 4) \\
&:= 5 + (((555 - 5 \times 5 \times 5) + 5^5) + 5/5) \\
&:= (66 \times (66 - 6 - 6)) - 6 \times 6 / (6 + 6) \\
&:= 7777/7 + 7 \times (7 \times 7 \times 7 + 7) \\
&:= 8 + ((8 \times 888 / ((8 + 8)/8)) + 8/8) \\
&:= ((99 \times (99 + 9)) - 9) / ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3562 &:= 11 + ((111 \times ((11 \times (1 + 1 + 1)) - 1)) - 1) \\
&:= 2 + (2 \times (2 \times (2 \times 2 \times 222 + 2))) \\
&:= 3/3 + ((3 \times (33 \times (33 + 3))) - 3) \\
&:= (44 - 4)/4 + (4 + 4) \times 444 \\
&:= 5 + (((5 + 5)/5)^5 \times 555/5 + 5) \\
&:= (66 \times (66 - 6 - 6)) - (6 + 6)/6 \\
&:= 7 + (((7 \times (7 \times (77 - 7) + 7)) - 7/7) + 77) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - (88 + 88)/8 \\
&:= ((9 + 9)/9) \times ((9 + 9) \times 99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3563 &:= 11 + (111 \times ((11 \times (1 + 1 + 1)) - 1)) \\
&:= 22/2 + (2^{2+2} \times 222) \\
&:= (3 \times (33 \times (33 + 3))) - 3/3 \\
&:= 44/4 + (4 + 4) \times 444 \\
&:= 5^5 + (((5^5 + 5) / (5 + 5)) + 5 \times 5 \times 5) \\
&:= (66 \times (66 - 6 - 6)) - 6/6 \\
&:= 7 + ((7 \times (7 \times (77 - 7) + 7)) + 77) \\
&:= 88/8 + (8 \times 888 / ((8 + 8)/8)) \\
&:= ((9 + 9) \times (99 + 99)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3564 &:= (1 + 1 + 1) \times ((11 \times (1 + 1 + 1))^{1+1} - 1) \\
&:= 2 \times (22 \times (2/2 + 2)^{2+2}) \\
&:= 3 \times (33 \times (33 + 3)) \\
&:= 44 \times (4 - 4/4)^4 \\
&:= (55 - 5/5) \times (55/5 + 55) \\
&:= 66 \times (66 - 6 - 6) \\
&:= (7 - 7/7) \times ((7 \times (77 + 7) - 7/7) + 7) \\
&:= 8 + ((8 \times 888 + 8) / ((8 + 8)/8)) \\
&:= (9 + 9) \times (99 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3565 &:= 11 \times 11 \times (1 + 1 + 1)^{1+1+1} - 1 - 1 \\
&:= ((22 \times ((2^{2+2} + 2)^2)) + 2) / 2 \\
&:= 3/3 + (3 \times (33 \times (33 + 3))) \\
&:= 4/4 + (44 \times (4 - 4/4)^4) \\
&:= 55 \times (55 + 5 + 5) - 5 - 5 \\
&:= 6/6 + (66 \times (66 - 6 - 6)) \\
&:= 7 + (7 \times 7 \times (77 - 7) + ((7 + 7)/7)^7) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - (88/8 + 8) \\
&:= 9/9 + ((9 + 9) \times (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3566 &:= 11 \times 11 \times (1 + 1 + 1)^{1+1+1} - 1 \\
&:= 2 + (2 \times (22 \times (2/2 + 2)^{2+2})) \\
&:= 3 + ((3 \times (33 \times (33 + 3))) - 3/3) \\
&:= (4 + 4)/4 + (44 \times (4 - 4/4)^4) \\
&:= 5^5 + (((55/5 + 5) + 5)^{(5+5)/5}) \\
&:= (6 + 6)/6 + (66 \times (66 - 6 - 6)) \\
&:= (7 \times (7 \times (77 + 7) - 77)) - 77/7 \\
&:= (8 - 88)/8 + (8 \times 8 \times (8 \times 8 - 8) - 8) \\
&:= (9 + 9)/9 + ((9 + 9) \times (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3567 &:= 111 + ((1 + 1) \times ((1 + 11)^{1+1+1})) \\
&:= 2 + (((22 \times ((2^{2+2} + 2)^2)) + 2) / 2) \\
&:= 3 + (3 \times (33 \times (33 + 3))) \\
&:= 4 + ((4 + 4) \times 444 + 44/4) \\
&:= 5 + (((5 + 5)/5)^5 \times 555/5 + 5) + 5 \\
&:= (6 \times 6 / (6 + 6)) + (66 \times (66 - 6 - 6)) \\
&:= 77 + ((7 \times (7 \times (77 - 7) + 7)) + (77/7)) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - (8/8 + 8 + 8) \\
&:= ((9 + 9 + 9)/9) + ((9 + 9) \times (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3568 &:= 1 + (111 + ((1+1) \times ((1+11)^{1+1+1}))) \\
&:= 2 \times (2 \times (2 \times (2 \times 222 + 2))) \\
&:= 3 + ((3 \times (33 \times (33 + 3))) + 3/3) \\
&:= 4 + (44 \times (4 - 4/4)^4) \\
&:= 5^5 + (555 - (555 + 5)/5) \\
&:= 6 + ((66 \times (66 - 6 - 6)) - ((6 + 6)/6)) \\
&:= 7 \times 7 \times 77 - (((7 + 7)/7)^7 + 77) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - 8 - 8 \\
&:= (9 - 9/9) \times ((9 \times 9 \times 99 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3569 &:= 111 + ((1+1) \times (1 + ((1+11)^{1+1+1}))) \\
&:= 2/2 + (2 \times (2 \times (2 \times (2 \times 222 + 2)))) \\
&:= 3 + (((3 \times (33 \times (33 + 3))) - 3/3) + 3) \\
&:= 4 + ((44 \times (4 - 4/4)^4) + 4/4) \\
&:= 5^5 + ((5 - 5/5) \times 555/5) \\
&:= 6 + ((66 \times (66 - 6 - 6)) - 6/6) \\
&:= ((7/7 - 7) + 7 \times 7) \times (77 - 7/7 + 7) \\
&:= 8/8 + (8 \times 8 \times (8 \times 8 - 8) - (8 + 8)) \\
&:= 9 + ((9 - 9/9) \times ((9 \times 9 \times 99 - 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3570 &:= (11 - 1) \times ((1+1+1) \times (11^{1+1} - (1+1))) \\
&:= 2 + (2 \times (2 \times (2 \times (2 \times 222 + 2)))) \\
&:= 3 + ((3 \times (33 \times (33 + 3))) + 3) \\
&:= (4^4 - 4/4) \times ((44 - 4)/4 + 4) \\
&:= 55 \times (55 + 5 + 5) - 5 \\
&:= 6 + (66 \times (66 - 6 - 6)) \\
&:= (77 - 7) \times ((7 + 7)/7 + 7 \times 7) \\
&:= (8 - 8/8) \times (8 \times 8 \times 8 - ((8 + 8)/8)) \\
&:= ((9 - 9/9) + 9) \times (999/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3571 &:= 1 + ((11 - 1) \times ((1+1+1) \times (11^{1+1} - (1+1)))) \\
&:= (2 \times ((2 \times 22 - 2)^2 + 22)) - 2/2 \\
&:= 3 + (((3 \times (33 \times (33 + 3))) + 3/3) + 3) \\
&:= 4 + (((4 + 4) \times 444 + 44/4) + 4) \\
&:= 5/5 + (55 \times (55 + 5 + 5) - 5) \\
&:= 6 + ((66 \times (66 - 6 - 6)) + 6/6) \\
&:= 7/7 + ((77 - 7) \times ((7 + 7)/7 + 7 \times 7)) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - (88 + 8)/8 \\
&:= 9 + (((9 + 9)/9) \times ((9 + 9) \times 99 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3572 &:= ((1 + 111) \times ((11 \times (1 + 1 + 1)) - 1)) - 1 - 11 \\
&:= 2 \times ((2 \times 22 - 2)^2 + 22) \\
&:= (3 \times ((33 \times (33 + 3)) + 3)) - 3/3 \\
&:= 4 + ((44 \times (4 - 4/4)^4) + 4) \\
&:= (5 + 5)/5 + (55 \times (55 + 5 + 5) - 5) \\
&:= 6 + ((66 \times (66 - 6 - 6)) + ((6 + 6)/6)) \\
&:= (7/7 - 77) \times (((7 + 7)/7) - 7 \times 7) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - (88 + 8)/8 \\
&:= 9 + (((9 + 9) \times (99 + 99)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3573 &:= ((1 + 111) \times ((11 \times (1 + 1 + 1)) - 1)) - 11 \\
&:= 22 + ((2^{2+2} \times 222) - 2/2) \\
&:= 3 \times ((33 \times (33 + 3)) + 3) \\
&:= ((4 + 4) \times (444 + 4)) - 44/4 \\
&:= 55 \times (55 + 5 + 5) - (5 + 5)/5 \\
&:= (6 \times 6/(6 + 6) + 6) \times (6 \times 66 + 6/6) \\
&:= 7 + ((7 \times (7 \times (77 + 7) - 77)) - (77/7)) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - 88/8 \\
&:= 9 + ((9 + 9) \times (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3574 &:= 11 \times (1 + ((1+1) \times (11 - 1 - 1))^{1+1}) - 1 \\
&:= 22 + (2^{2+2} \times 222) \\
&:= 3/3 + (3 \times ((33 \times (33 + 3)) + 3)) \\
&:= 4 + ((4^4 - 4/4) \times ((44 - 4)/4 + 4)) \\
&:= 55 \times (55 + 5 + 5) - 5/5 \\
&:= ((66 - 6)/6) + (66 \times (66 - 6 - 6)) \\
&:= (7 \times (7 \times (77 + 7) - 77)) - (7 + 7 + 7)/7 \\
&:= (8 - 88)/8 + 8 \times 8 \times (8 \times 8 - 8) \\
&:= 9 + (((9 + 9) \times (99 + 99)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3575 &:= 11 \times (1 + ((1+1) \times (11 - 1 - 1))^{1+1}) \\
&:= 22 + ((2^{2+2} \times 222) + 2/2) \\
&:= 33/3 + (3 \times (33 \times (33 + 3))) \\
&:= 44/4 + (44 \times (4 - 4/4)^4) \\
&:= 55 \times (55 + 5 + 5) \\
&:= 66/6 + (66 \times (66 - 6 - 6)) \\
&:= 77/7 \times (7 \times 7 \times 7 - (77/7 + 7)) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - (8/8 + 8) \\
&:= 99/9 + ((9 + 9) \times (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3576 &:= 11 \times (1 + ((1+1) \times (11 - 1 - 1))^{1+1}) + 1 \\
&:= 2 + ((2^{2+2} \times 222) + 22) \\
&:= 3 + (3 \times ((33 \times (33 + 3)) + 3)) \\
&:= (4 + 4) \times ((444 - 4/4) + 4) \\
&:= 5/5 + 55 \times (55 + 5 + 5) \\
&:= 6 + ((66 \times (66 - 6 - 6)) + 6) \\
&:= (7 \times (7 \times (77 + 7) - 77)) - 7/7 \\
&:= 8 \times 8 \times (8 \times 8 - 8) - 8 \\
&:= (99 + 9)/9 + ((9 + 9) \times (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3577 &:= 11^{1+1} + ((1+1) \times ((1+11)^{1+1+1})) \\
&:= 2 + (((2^{2+2} \times 222) + 22) + 2/2) \\
&:= 3333 + ((3^{3+3} + 3)/3) \\
&:= 4 + (((4 + 4) \times (444 + 4)) - 44/4) \\
&:= (5 + 5)/5 + 55 \times (55 + 5 + 5) \\
&:= 6 + (((66 \times (66 - 6 - 6)) + 6/6) + 6) \\
&:= 7 \times (7 \times (77 + 7) - 77) \\
&:= 8/8 + (8 \times 8 \times (8 \times 8 - 8) - 8) \\
&:= (9 - (9 + 9)/9) \times (((9 + 9)/9)^9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3578 &:= 1 + (11^{1+1} + ((1+1) \times ((1+11)^{1+1+1}))) \\
&:= ((2^{2+2} + 2 \times 22)^2) - 22 \\
&:= 3 + ((3 \times (33 \times (33 + 3))) + 33/3) \\
&:= ((4 + 4) \times (444 + 4)) - ((4 + 4)/4 + 4) \\
&:= 5 + (55 \times (55 + 5 + 5) - ((5 + 5)/5)) \\
&:= 6 + (((66 \times (66 - 6 - 6)) + ((6 + 6)/6)) + 6) \\
&:= 7/7 + (7 \times (7 \times (77 + 7) - 77)) \\
&:= (8 + 8)/8 + (8 \times 8 \times (8 \times 8 - 8) - 8) \\
&:= ((9 + 9)/9) \times (((9 + 9) \times 99 - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3579 &:= 11^{1+1} + ((1+1) \times (1 + ((1+11)^{1+1+1}))) \\
&:= 2/2 + (((2^{2+2} + 2 \times 22)^2) - 22) \\
&:= 3 + ((3 \times ((33 \times (33 + 3)) + 3)) + 3) \\
&:= ((4 + 4) \times (444 + 4)) - (4/4 + 4) \\
&:= 5 + (55 \times (55 + 5 + 5) - 5/5) \\
&:= ((6 - 6/6) \times ((6 \times 6/(6 + 6))^6)) - 66 \\
&:= 7 + ((7/7 - 77) \times (((7 + 7)/7) - 7 \times 7)) \\
&:= 88/8 + (8 \times 8 \times (8 \times 8 - 8) - (8 + 8)) \\
&:= 9 + (((9 - 9/9) + 9) \times (999/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3580 &:= (11 - 1) \times (1 + ((1+1+1) \times (11^{1+1} - (1+1)))) \\
&:= 2 \times ((2 \times (2 \times (2 \times (222 + 2)))) - 2) \\
&:= 3 + (((3^{3+3} + 3)/3) + 3333) \\
&:= ((4 + 4) \times (444 + 4)) - 4 \\
&:= 5 + 55 \times (55 + 5 + 5) \\
&:= 6 + ((66 \times (66 - 6 - 6)) + ((66 - 6)/6)) \\
&:= (7 + 7 + 7)/7 + (7 \times (7 \times (77 + 7) - 77)) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - (8/(8 + 8)/8) \\
&:= ((9 + 9)/9) \times (((9 + 9) \times 99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3581 &:= ((1 + 111) \times ((11 \times (1 + 1 + 1)) - 1)) - 1 - 1 - 1 \\
&:= (2^{2+2} \times (222 + 2)) - 2/2 - 2 \\
&:= ((33 \times 333 - 3)/3) - 3 \times 3^3 \\
&:= 4/4 + (((4 + 4) \times (444 + 4)) - 4) \\
&:= 5 + (55 \times (55 + 5 + 5) + 5/5) \\
&:= 6 + ((66 \times (66 - 6 - 6)) + (66/6)) \\
&:= 77/7 + ((77 - 7) \times ((7 + 7)/7 + 7 \times 7)) \\
&:= 8 + (8 \times 8 \times (8 \times 8 - 8) - (88/8)) \\
&:= 9 + (((9 + 9) \times (99 + 99)) - 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3582 &:= ((1 + 111) \times ((11 \times (1 + 1 + 1)) - 1)) - 1 - 1 \\
&:= (2^{2+2} \times (222 + 2)) - 2 \\
&:= 3 \times (((33 \times (33 + 3)) + 3) + 3) \\
&:= ((4 + 4) \times (444 + 4)) - (4 + 4)/4 \\
&:= 5 + (55 \times (55 + 5 + 5) + ((5 + 5)/5)) \\
&:= 6 + (((66 \times (66 - 6 - 6)) + 6/6) + 6) \\
&:= 7 + (77/7 \times (7 \times 7 \times 7 - (77/7 + 7))) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - (8 + 8)/8 \\
&:= 9 + (((9 + 9) \times (99 + 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3583 &:= ((1 + 111) \times ((11 \times (1 + 1 + 1)) - 1)) - 1 \\
&:= (2^{2+2} \times (222 + 2)) - 2/2 \\
&:= 3/3 + (3 \times ((33 \times (33 + 3)) + 3) + 3) \\
&:= ((4 + 4) \times (444 + 4)) - 4/4 \\
&:= 5 + ((55 \times (55 + 5 + 5) - ((5 + 5)/5)) + 5) \\
&:= (6 \times (666 - 66)) - (66/6 + 6) \\
&:= 7 + ((7 \times (7 \times (77 + 7) - 77)) - 7/7) \\
&:= 8 \times 8 \times (8 \times 8 - 8) - 8/8 \\
&:= 9 + (((9 + 9) \times (99 + 99)) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3584 &:= (1 + 111) \times ((11 \times (1 + 1 + 1)) - 1) \\
&:= 2^{2+2} \times (222 + 2) \\
&:= (3/3 + 3 + 3) \times ((3 - 3/3)^{3 \times 3}) \\
&:= (4 + 4) \times (444 + 4) \\
&:= ((5 + 5)/5)^5 \times (555 + 5)/5 \\
&:= ((6 + 6)/6)^6 \times (((6 - 66)/6) + 66) \\
&:= 7 + (7 \times (7 \times (77 + 7) - 77)) \\
&:= 8 \times 8 \times (8 \times 8 - 8) \\
&:= (9 - (9 + 9)/9) \times ((9 + 9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3585 &:= 1 + ((1 + 111) \times ((11 \times (1 + 1 + 1)) - 1)) \\
&:= 2/2 + (2^{2+2} \times (222 + 2)) \\
&:= 3 + (3 \times ((33 \times (33 + 3)) + 3) + 3) \\
&:= 4/4 + ((4 + 4) \times (444 + 4)) \\
&:= 5 + (55 \times (55 + 5 + 5) + 5) \\
&:= (6 - 6/6) \times (((6 \times 6)/(6 + 6))^6 - (6 + 6)) \\
&:= 7 + ((7 \times (7 \times (77 + 7) - 77)) + 7/7) \\
&:= 8/8 + 8 \times 8 \times (8 \times 8 - 8) \\
&:= 9/9 + ((9 - (9 + 9)/9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3586 &:= 11 \times ((1 + 1 + 1) \times (111 - 1 - 1) - 1) \\
&:= 2 + (2^{2+2} \times (222 + 2)) \\
&:= 33/3 \times (333 - (3/3 + 3 + 3)) \\
&:= (4 + 4)/4 + ((4 + 4) \times (444 + 4)) \\
&:= 55/5 + 55 \times (55 + 5 + 5) \\
&:= 66 + (((6 + 6)/6)^6 \times (66 - 66/6)) \\
&:= ((77/7 + 7 \times 7)^{(7+7)/7}) - (7 + 7) \\
&:= (8 + 8)/8 + 8 \times 8 \times (8 \times 8 - 8) \\
&:= 99/9 \times ((9 + 9) \times (9 + 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3587 &:= 1 + (11 \times ((1 + 1 + 1) \times (111 - 1 - 1) - 1)) \\
&:= 2 + ((2^{2+2} \times (222 + 2)) + 2/2) \\
&:= 3 + ((3/3 + 3 + 3) \times ((3 - 3/3)^{3 \times 3})) \\
&:= 4 + (((4 + 4) \times (444 + 4)) - 4/4) \\
&:= ((55 + 5)/5) + 55 \times (55 + 5 + 5) \\
&:= (66/6 + 6) \times (6 \times 6 \times 6 - 6 + 6/6) \\
&:= ((77 - 7)/7) + (7 \times (7 \times (77 + 7) - 77)) \\
&:= 88/8 + (8 \times 8 \times (8 \times 8 - 8) - 8) \\
&:= ((9 - 9/9) + 9) \times (((999 + 9)/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3588 &:= (1 + 11) \times (11 + ((1 + 1) \times (1 + 11)^{1+1})) \\
&:= 2 + ((2^{2+2} \times (222 + 2)) + 2) \\
&:= 3^3 + ((3 \times (33 \times (33 + 3))) - 3) \\
&:= 4 + ((4 + 4) \times (444 + 4)) \\
&:= (5/5 + 5) \times ((5^5 - 5 - 5)/5 - 5 \times 5) \\
&:= (6 \times (666 - 66)) - 6 - 6 \\
&:= 77/7 + (7 \times (7 \times (77 + 7) - 77)) \\
&:= (8/((8 + 8)/8)) + 8 \times 8 \times (8 \times 8 - 8) \\
&:= ((9 + 9)/9) \times ((9 + 9) \times 99 + (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3589 &:= 11 \times (11 + (1 + 1) \times (1 + 11)^{1+1}) \\
&:= ((2^{2+2} + 2 \times 22)^2) - 22/2 \\
&:= 3333 + ((3/3 + 3)^{3/3+3}) \\
&:= 4 + (((4 + 4) \times (444 + 4)) + 4/4) \\
&:= ((55 + 5)^{(5+5)/5}) - 55/5 \\
&:= (6 \times (666 - 66)) - 66/6 \\
&:= 7 \times (7 \times 77 - 7) - (((7 + 7)/7)^7 + 7) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 - 8) - (88/8)) + 8) \\
&:= 9 + (((9 + 9)/9) \times (((9 + 9) \times 99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3590 &:= (11 - 1) \times ((1 + 1 + 1) \times (111 - 1) - 1) \\
&:= 2 + (((2^{2+2} \times (222 + 2)) + 2) + 2) \\
&:= 3^3 + ((3 \times (33 \times (33 + 3))) - 3/3) \\
&:= 4 + (((4 + 4) \times (444 + 4)) + (4 + 4)/4) \\
&:= ((55 + 5)^{(5+5)/5}) - 5 - 5 \\
&:= (6 - 66)/6 + (6 \times (666 - 66)) \\
&:= 777/7 + (7 \times (7 \times (77 - 7) + 7)) \\
&:= 8 + (8 \times 8 \times (8 \times 8 - 8) - ((8 + 8)/8)) \\
&:= (((9 + 9)/9)^9) + ((9 + 9) \times (9 \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3591 &:= (1 + 1 + 1) \times ((11 \times (111 - 1 - 1)) - (1 + 1)) \\
&:= (2/2 + 2)^2 \times ((22 - 2)^2 - 2/2) \\
&:= 3 \times ((33 \times (33 + 3)) + 3 \times 3) \\
&:= 4 + (((4 + 4) \times (444 + 4)) - 4/4) + 4 \\
&:= 5 + (55 \times (55 + 5 + 5) + (55/5)) \\
&:= 6 + ((6 - 6/6) \times (((6 \times 6)/(6 + 6))^6 - (6 + 6))) \\
&:= 7 + ((7 \times (7 \times (77 + 7) - 77)) + 7) \\
&:= 8 + (8 \times 8 \times (8 \times 8 - 8) - 8/8) \\
&:= 9 + (((9 + 9) \times (99 + 99)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3592 &:= 1 + ((1 + 1 + 1) \times ((11 \times (111 - 1 - 1)) - (1 + 1))) \\
&:= 2 \times (2 \times ((2 \times (2 \times (222 + 2))) + 2)) \\
&:= 3^3 + ((3 \times (33 \times (33 + 3))) + 3/3) \\
&:= 4 + (((4 + 4) \times (444 + 4)) + 4) \\
&:= 5 + (55 \times (55 + 5 + 5) + ((55 + 5)/5)) \\
&:= (((6 + 6)/6)^{6+6}) - (6 + 6) \times (6 \times 6 + 6) \\
&:= 7 + (((7 \times (7 \times (77 + 7) - 77)) + 7/7) + 7) \\
&:= 8 + 8 \times 8 \times (8 \times 8 - 8) \\
&:= 9 + (((9 + 9) \times (99 + 99)) + 9/9) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3593 &:= ((1 + 11111)/(1 + 1 + 1)) - 111 \\
&:= 2 + ((2/2 + 2)^2 \times ((22 - 2)^2 - 2/2)) \\
&:= (((33 \times (333 - (3 + 3))) - 3)/3) - 3 \\
&:= 4 + (((4 + 4) \times (444 + 4)) + 4/4) + 4 \\
&:= ((55 + 5)^{(5+5)/5}) - ((5 + 5)/5 + 5) \\
&:= (6 \times (666 - 66)) - 6/6 - 6 \\
&:= ((77/7 + 7 \times 7)^{(7+7)/7}) - 7 \\
&:= 8 + (8 \times 8 \times (8 \times 8 - 8) + 8/8) \\
&:= 9 + ((9 - (9 + 9)/9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3594 &:= (1 + 1 + 1) \times ((11 \times (111 - 1 - 1)) - 1) \\
&:= 2 + (2 \times (2 \times ((2 \times (2 \times (222 + 2))) + 2))) \\
&:= 3 + ((3 \times (33 \times (33 + 3))) + 3^3) \\
&:= 44 + ((4 + 4) \times 444 - (4 + 4)/4) \\
&:= 5^5 + ((5 - 5/5)^5 - 555) \\
&:= (6 \times (666 - 66)) - 6 \\
&:= (7 - 7/7) \times (7 \times (77 + 7) + (77/7)) \\
&:= 8 + (8 \times 8 \times (8 \times 8 - 8) + ((8 + 8)/8)) \\
&:= 9 + (((9 - (9 + 9)/9) \times ((9 + 9)/9)^9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3595 &:= 1 + ((1 + 1 + 1) \times ((11 \times (111 - 1 - 1)) - 1)) \\
&:= 22/2 + (2^{2+2} \times (222 + 2)) \\
&:= (((33 \times (333 - (3 + 3))) + 3)/3) - 3 \\
&:= 44 + ((4 + 4) \times 444 - 4/4) \\
&:= ((55 + 5)^{(5+5)/5}) - 5 \\
&:= 6/6 + ((6 \times (666 - 66)) - 6) \\
&:= 7 + ((7 \times (7 \times (77 + 7) - 77)) + (77/7)) \\
&:= 88/8 + 8 \times 8 \times (8 \times 8 - 8) \\
&:= 9 + ((99/9) \times ((9 + 9) \times (9 + 9) + ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3596 &:= (11 \times ((1 + 1 + 1) \times (111 - 1 - 1))) - 1 \\
&:= 2 \times ((2 \times 2 \times 2 \times 222) + 22) \\
&:= ((33 \times (333 - (3 + 3))) - 3)/3 \\
&:= 44 + (4 + 4) \times 444 \\
&:= 5/5 + (((55 + 5)^{(5+5)/5}) - 5) \\
&:= (6 + 6)/6 + ((6 \times (666 - 66)) - 6) \\
&:= 7 \times (7 \times 77 - 7) - ((7 + 7)/7)^7 \\
&:= ((88 + 8)/8) + 8 \times 8 \times (8 \times 8 - 8) \\
&:= ((9 \times 9 - 9)/(9 + 9)) \times ((9 \times 99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3597 &:= 11 \times ((1 + 1 + 1) \times (111 - 1 - 1)) \\
&:= (222/2 - 2) \times (22/2 + 22) \\
&:= 33 + (3 \times (33 \times (33 + 3))) \\
&:= 44 + ((4 + 4) \times 444 + 4/4) \\
&:= (5 + 5)/5 + (((55 + 5)^{(5+5)/5}) - 5) \\
&:= 66/6 \times (666/6 + 6 \times 6 \times 6) \\
&:= 7 \times (7 \times 77 - 7 - 7) - 7/7 - 77 \\
&:= 8 \times 8 \times (8 \times 8 - 8) + (88 + 8 + 8)/8 \\
&:= 99/9 \times ((9 + 9) \times (9 + 9) + ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3598 &:= 1 + (11 \times ((1 + 1 + 1) \times (111 - 1 - 1))) \\
&:= ((2^{2+2} + 2 \times 22)^2) - 2 \\
&:= ((33 \times (333 - (3 + 3))) + 3)/3 \\
&:= (4/4 + 4^4) \times ((44 - 4)/4 + 4) \\
&:= ((55 + 5)^{(5+5)/5}) - (5 + 5)/5 \\
&:= (6 \times (666 - 66)) - (6 + 6)/6 \\
&:= 7 \times (7 \times 77 - 7 - 7) - 77 \\
&:= (8 - 8/8) \times (8 \times 8 \times 8 + (8 + 8)/8) \\
&:= (9 + 9)/9 \times (((9 + 9) \times 99 - 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3599 &:= ((11^{1+1} - 1)/(1 + 1))^{1+1} - 1 \\
&:= ((2^{2+2} + 2 \times 22)^2) - 2/2 \\
&:= ((3^3 + 33)^{3-3/3}) - 3/3 \\
&:= (((4 + 4) + 4) \times (44 + 4^4)) - 4/4 \\
&:= ((55 + 5)^{(5+5)/5}) - 5/5 \\
&:= (6 \times (666 - 66)) - 6/6 \\
&:= 7/7 + (7 \times (7 \times 77 - 7 - 7) - 77) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 - 8) - 8/8) + 8) \\
&:= (9 \times ((99/9 + 9)^{(9+9)/9})) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3600 &:= ((11^{1+1} - 1)/(1 + 1))^{1+1} \\
&:= (2^{2+2} + 2 \times 22)^2 \\
&:= (3^3 + 33)^{3-3/3} \\
&:= ((4 + 4) + 4) \times (44 + 4^4) \\
&:= (55 + 5)^{(5+5)/5} \\
&:= 6 \times (666 - 66) \\
&:= (77/7 + 7 \times 7)^{(7+7)/7} \\
&:= 8 + (8 \times 8 \times (8 \times 8 - 8) + 8) \\
&:= 9 \times ((99/9 + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3601 &:= ((11^{1+1} - 1)/(1 + 1))^{1+1} + 1 \\
&:= 2/2 + ((2^{2+2} + 2 \times 22)^2) \\
&:= 3/3 + ((3^3 + 33)^{3-3/3}) \\
&:= 4/4 + (((4 + 4) + 4) \times (44 + 4^4)) \\
&:= 5/5 + ((55 + 5)^{(5+5)/5}) \\
&:= 6/6 + (6 \times (666 - 66)) \\
&:= 7/7 + ((77/7 + 7 \times 7)^{(7+7)/7}) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 - 8) + 8/8) + 8) \\
&:= 9/9 + (9 \times ((99/9 + 9)^{(9+9)/9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3602 &:= ((11^{1+1} - 1)/(1 + 1))^{1+1} + 1 + 1 \\
&:= 2 + ((2^{2+2} + 2 \times 22)^2) \\
&:= 3 + (((3^3 + 33)^{3-3/3}) - 3/3) \\
&:= 4 + ((4/4 + 4^4) \times ((44 - 4)/4 + 4)) \\
&:= (5 + 5)/5 + ((55 + 5)^{(5+5)/5}) \\
&:= (6 + 6)/6 + (6 \times (666 - 66)) \\
&:= (7 + 7)/7 + ((77/7 + 7 \times 7)^{(7+7)/7}) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 - 8) + (8 + 8)/8) + 8) \\
&:= 9 + (((9 - (9 + 9)/9) \times ((9 + 9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3603 &:= ((11^{1+1} - 1)/(1 + 1))^{1+1} + 1 + 1 + 1 \\
&:= 2 + (((2^{2+2} + 2 \times 22)^2) + 2/2) \\
&:= 3 + ((3^3 + 33)^{3-3/3}) \\
&:= 4 + (((4 + 4) + 4) \times (44 + 4^4)) - 4/4 \\
&:= 5 + (((55 + 5)^{(5+5)/5}) - ((5 + 5)/5)) \\
&:= (6 \times 6/(6 + 6)) + (6 \times (666 - 66)) \\
&:= 7 + (7 \times (7 \times 77 - 7) - ((7 + 7)/7)^7) \\
&:= 8 + (8 \times 8 \times (8 \times 8 - 8) + (88/8)) \\
&:= 9 + (((9 - (9 + 9)/9) \times ((9 + 9)/9)^9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3604 &:= ((11^{1+1} - 1)/(1 + 1))^{1+1} + 1 + 1 + 1 + 1 \\
&:= 2 + (((2^{2+2} + 2 \times 22)^2) + 2) \\
&:= 3 + (((3^3 + 33)^{3-3/3}) + 3/3) \\
&:= 4 + (((4 + 4) + 4) \times (44 + 4^4)) \\
&:= 5 + (((55 + 5)^{(5+5)/5}) - 5/5) \\
&:= 6 + ((6 \times (666 - 66)) - ((6 + 6)/6)) \\
&:= 77 + (((7 \times 7 - 7) \times (77 + 7)) - 7/7) \\
&:= 8 + (8 \times 8 \times (8 \times 8 - 8) + (88 + 8)/8) \\
&:= ((9 + 9)/9) \times (((9 + 9) \times 99 + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3605 &:= 11 + ((1 + 1 + 1) \times ((11 \times (111 - 1 - 1)) - 1)) \\
&:= 2 + (((2^{2+2} + 2 \times 22)^2) + 2/2) + 2) \\
&:= (3/3 + 3 + 3) \times (((3 - 3/3)^{3 \times 3}) + 3) \\
&:= 4 + (((4 + 4) + 4) \times (44 + 4^4)) + 4/4 \\
&:= 5 + ((55 + 5)^{(5+5)/5}) \\
&:= 6 + ((6 \times (666 - 66)) - 6/6) \\
&:= 77 + ((7 \times 7 - 7) \times (77 + 7)) \\
&:= (8 - 8/8) \times ((8 \times 8 \times 8 - 8) + (88/8)) \\
&:= ((9 \times 9 + 9)/(9 + 9)) \times ((9 \times 9 \times 9 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3606 &:= (1 + 1 + 1) \times (1 + (1 + (1 + (11 \times (111 - 1 - 1)))))) \\
&:= 22 + (2^{2+2} \times (222 + 2)) \\
&:= 3 + (((3^3 + 33)^{3-3/3}) + 3) \\
&:= 4 + (((4/4 + 4^4) \times ((44 - 4)/4 + 4)) + 4) \\
&:= 5 + (((55 + 5)^{(5+5)/5}) + 5/5) \\
&:= 6 + (6 \times (666 - 66)) \\
&:= 7/7 + (((7 \times 7 - 7) \times (77 + 7)) + 77) \\
&:= 8 + ((8 - 8/8) \times (8 \times 8 \times 8 + (8 + 8)/8)) \\
&:= (9 \times (((9 + 9)/9)^9) - 99) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3607 &:= (11 \times (1 + ((1 + 1 + 1) \times (111 - 1 - 1)))) - 1 \\
&:= 22 + ((2^{2+2} \times (222 + 2)) + 2/2) \\
&:= 3 + (((3^3 + 33)^{3-3/3}) + 3/3) + 3) \\
&:= 44 + ((4 + 4) \times 444 + 44/4) \\
&:= 5 + (((55 + 5)^{(5+5)/5}) + ((5 + 5)/5)) \\
&:= 6 + ((6 \times (666 - 66)) + 6/6) \\
&:= 7 + ((77/7 + 7 \times 7)^{(7+7)/7}) \\
&:= 8 + (((8 \times 8 \times (8 \times 8 - 8) - 8/8) + 8) + 8) \\
&:= 9 \times ((9 + 9)/9)^9 - ((9 + 9)/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3608 &:= 11 \times (1 + ((1 + 1 + 1) \times (111 - 1 - 1))) \\
&:= 2 \times (2 \times (((2 \times (2 + 2) + 22)^2) + 2)) \\
&:= (3/3 + 3) \times ((33 \times 3^3) + 33/3) \\
&:= 44 + (44 \times (4 - 4/4)^4) \\
&:= 5 + (((55 + 5)^{(5+5)/5}) - ((5 + 5)/5)) + 5) \\
&:= 6 + ((6 \times (666 - 66)) + ((6 + 6)/6)) \\
&:= 77/7 \times (7 \times 7 \times 7 - (7/7 + 7 + 7)) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 - 8) + 8) + 8) \\
&:= 9 \times ((9 + 9)/9)^9 - (999 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3609 &:= 1 + (11 \times (1 + ((1 + 1 + 1) \times (111 - 1 - 1)))) \\
&:= (2/2 + 2)^2 \times ((22 - 2)^2 + 2/2) \\
&:= 3 \times (((3 + 3) \times (33 \times (3 + 3) + 3)) - 3) \\
&:= 44 + ((44 \times (4 - 4/4)^4) + 4/4) \\
&:= 5 + (((55 + 5)^{(5+5)/5}) - 5/5) + 5) \\
&:= ((6 - 6/6) \times ((6 \times 6/(6 + 6))^6)) - 6 \times 6 \\
&:= 77/7 + (7 \times (7 \times 77 - 7 - 7) - 77) \\
&:= 8 + (((8 \times 8 \times (8 \times 8 - 8) + 8/8) + 8) + 8) \\
&:= 9 \times ((9 + 9)/9)^9 - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3610 &:= (11 - 1) \times (((1 + 1) \times (11 - 1)) - 1)^{1+1} \\
&:= (2^{2 \times (2+2+2)}) - (22^2 + 2) \\
&:= ((3/3 + 3 + 3)^3) + (3 \times 33 \times 33) \\
&:= ((4 + 4)^4) - (((44 \times 44 + 4) + 4)/4) \\
&:= 5 + (((55 + 5)^{(5+5)/5}) + 5) \\
&:= ((66 - 6)/6) + (6 \times (666 - 66)) \\
&:= 7 + ((7 \times (7 \times 77 - 7) - ((7 + 7)/7)^7) + 7) \\
&:= 8 + (((8 \times 8 \times (8 \times 8 - 8) + (8 + 8)/8)) + 8) + 8) \\
&:= 9/9 + (9 \times ((9 + 9)/9)^9 - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3611 &:= ((11^{1+1} - 1)/(1 + 1))^{1+1} + 11 \\
&:= 22/2 + ((2^{2+2} + 2 \times 22)^2) \\
&:= 33/3 + ((3^3 + 33)^{3-3/3}) \\
&:= ((4 + 4)^4) - ((44 \times 44 + 4)/4) \\
&:= 5^5 + (5555 - 5^5)/5 \\
&:= 66/6 + (6 \times (666 - 66)) \\
&:= 77 \times (7 \times 7 - (7 + 7)/7) - 7/7 - 7 \\
&:= 8 + ((8 \times 8 \times (8 \times 8 - 8) + (88/8)) + 8) \\
&:= 9 + (((9 - (9 + 9)/9) \times ((9 + 9)/9)^9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3612 &:= ((1 + 1)^{1+1+1}) - ((11 + 11)^{1+1}) \\
&:= (2^{2 \times (2+2+2)}) - 22^2 \\
&:= (3 + 3) \times ((33/3)^3 - 3^{3+3}) \\
&:= ((4 + 4)^4) - (44 \times 44/4) \\
&:= 5^5 + ((5555 - 5^5) + 5)/5 \\
&:= 6 + ((6 \times (666 - 66)) + 6) \\
&:= (77 + 7) \times ((7/7 - 7) + 7 \times 7) \\
&:= 8 \times 8 + (((8 \times 888) - 8)/(8 + 8)/8) \\
&:= ((99 + 9)/9 + 9) \times ((9 \times (9 + 9) + 9/9) + 9)
\end{aligned}$$

- ▶ **3613** := $1 + (((1+1)^{1+1}) - ((11+11)^{1+1}))$
:= $2/2 + ((2^{2 \times (2+2+2)}) - 22^2)$
:= $3 + (((3/3+3+3)^3) + (3 \times 33 \times 33))$
:= $((4+4)^4) + ((4-44 \times 44)/4)$
:= $55 \times (55+5) + (5^5+5)/(5+5)$
:= $6 + (((6 \times (666-66)) + 6/6) + 6)$
:= $7 \times (7 \times 77 - 7) - 777/7$
:= $8 + ((8-8/8) \times ((8 \times 8 \times 8 - 8) + (88/8)))$
:= $9 + (((9+9)/9) \times (((9+9) \times 99 + (99/9)) + 9))$
- ▶ **3614** := $1 + (1 + (((1+1)^{1+1}) - ((11+11)^{1+1})))$
:= $2 + ((2^{2 \times (2+2+2)}) - 22^2)$
:= $3 + (((3^3+33)^{3-3/3}) + 33/3)$
:= $((4+4)^4) + (((4-44 \times 44) + 4)/4)$
:= $5^5 + (555 - (55/5 + 55))$
:= $6 + (((6 \times (666-66)) + ((6+6)/6) + 6)$
:= $7 + (((77/7+7 \times 7)^{(7+7)/7}) + 7)$
:= $8 + (((8-8/8) \times (8 \times 8 \times 8 + (8+8)/8)) + 8)$
:= $9 + (((9 \times 9 + 9)/(9+9)) \times ((9 \times 9 \times 9 - 9) + 9/9))$
- ▶ **3615** := $(1+1+111) \times ((11 \times (1+1+1)) - 1) - 1$
:= $((22/2+2)+2) \times (22^2 - 2)/2$
:= $(3-3/3+3) \times (3^{3+3} - (3+3))$
:= $((4^4-4)/4) + (4+4) \times 444$
:= $5 + (((55+5)^{(5+5)/5}) + 5) + 5$
:= $(6-6/6) \times (((6 \times 6/(6+6))^6) - 6)$
:= $(7 \times (7 \times 77 - (7+7+7))) - 77/7$
:= $(8 \times (888/((8+8)/8) + 8)) - 8/8$
:= $((9+9) \times (99+99+9)) - 999/9$
- ▶ **3616** := $(1+1+111) \times ((11 \times (1+1+1)) - 1)$
:= $2^{2+2} \times ((222+2)+2)$
:= $(33-3/3) \times (((333-3)/3) + 3)$
:= $(4+4) \times (444+4+4)$
:= $5 + ((5555-5^5)/5+5^5)$
:= $6 + ((6 \times (666-66)) + ((66-6)/6))$
:= $77 + (7 \times 7 - 7) \times (77+7) + 77/7$
:= $8 \times (888/((8+8)/8) + 8)$
:= $9 + (9 \times ((9+9)/9)^9 - (((9+9)/9) + 999))$
- ▶ **3617** := $1 + ((1+1+111) \times ((11 \times (1+1+1)) - 1))$
:= $2/2 + (2^{2+2} \times ((222+2)+2))$
:= $(33/3)^3 + (3 \times (3^{3+3} + 33))$
:= $4/4 + ((4+4) \times (444+4+4))$
:= $5 + (((5555-5^5+5)/5) + 5^5)$
:= $6 + ((6 \times (666-66)) + (66/6))$
:= $77 \times (7 \times 7 - (7+7)/7) - (7+7)/7$
:= $8/8 + (8 \times (888/((8+8)/8) + 8))$
:= $9 + (9 \times ((9+9)/9)^9 - (999+9/9))$
- ▶ **3618** := $(11 \times (((1+1+1) \times (111-1)) - 1)) - 1$
:= $2 + (2^{2+2} \times ((222+2)+2))$
:= $3 \times ((3+3) \times (33 \times (3+3) + 3))$
:= $(4+4)/4 + ((4+4) \times (444+4+4))$
:= $(5/5+5) \times ((5^5 - (55+55))/5)$
:= $(66-6-6) \times (66+6/6)$
:= $77 \times (7 \times 7 - (7+7)/7) - 7/7$
:= $(8+8)/8 + (8 \times (888/((8+8)/8) + 8))$
:= $9 + (9 \times ((9+9)/9)^9 - 999)$
- ▶ **3619** := $11 \times (((1+1+1) \times (111-1)) - 1)$
:= $2 + ((2^{2+2} \times ((222+2)+2)) + 2/2)$
:= $33/3 \times (333 - (3/3+3))$
:= $4 + ((4+4) \times 444 + ((4^4-4)/4))$
:= $5^5 + (555 - ((55+5/5) + 5))$
:= $6/6 + ((66-6-6) \times (66+6/6))$
:= $77 \times (7 \times 7 - (7+7)/7)$
:= $8 + (((8 \times 8 \times (8 \times 8 - 8) + (88/8)) + 8) + 8)$
:= $9 + ((9 \times ((9+9)/9)^9 - 999) + 9/9)$
- ▶ **3620** := $1 + (11 \times (((1+1+1) \times (111-1)) - 1))$
:= $2 + ((2^{2+2} \times ((222+2)+2)) + 2)$
:= $(3 \times 3 + 3/3) \times ((33 \times 33 - 3)/3)$
:= $4 + ((4+4) \times (444+4+4))$
:= $5^5 + (55 \times (5 - 5/5 + 5))$
:= $(6-6/6) \times ((66 \times 66 - 6 - 6)/6)$
:= $7/7 + 77 \times (7 \times 7 - (7+7)/7)$
:= $8 \times 8 + ((8 \times 888 + 8)/((8+8)/8))$
:= $(99/9+9) \times ((9/9+99) + 9 \times 9)$
- ▶ **3621** := $1 + (1 + (11 \times (((1+1+1) \times (111-1)) - 1)))$
:= $22 + (((2^{2+2} + 2 \times 22)^2) - 2/2)$
:= $3 + (3 \times ((3+3) \times (33 \times (3+3) + 3)))$
:= $4 + (((4+4) \times (444+4+4)) + 4/4)$
:= $5^5 + ((55 \times (5 - 5/5 + 5)) + 5/5)$
:= $6 + ((6-6/6) \times (((6 \times 6/(6+6))^6) - 6))$
:= $(7+7)/7 + 77 \times (7 \times 7 - (7+7)/7)$
:= $8 \times 8 \times (8 \times 8 - 8) + 888/(8+8+8)$
:= $((9/9+9) \times (99 \times 99/(9+9+9))) - 9$
- ▶ **3622** := $((1+1+1) \times (1 + (11 \times (111-1)))) - 11$
:= $22 + (2^{2+2} + 2 \times 22^2)$
:= $3 + (33/3 \times (333 - (3/3+3)))$
:= $4 + (((4+4) \times (444+4+4)) + (4+4)/4)$
:= $5^5 + (((5+5)/5 - (55+5)) + 555)$
:= $((6+6)/6)^6 + ((66 \times (66-6-6)) - 6)$
:= $7 + ((7 \times (7 \times 77 - (7+7+7))) - (77/7))$
:= $((8 \times 8 - (8/8+8)) \times (((8+8)/8) + 8 \times 8)) - 8$
:= $((9 \times 9 - (99/9+9))^{(9+9)/9}) - 99$
- ▶ **3623** := $((1+1+1) \times ((11 \times (111-1)) - (1+1))) - 1$
:= $22 + (((2^{2+2} + 2 \times 22)^2) + 2/2)$
:= $((33 \times (333-3)) - 3)/3 - 3 - 3$
:= $((4+4)^4) + (44/4 \times (4/4 - 44))$
:= $5^5 + (555 - ((5+5)/5 + 55))$
:= $(66 \times (66 - 66/6)) - 6/6 - 6$
:= $77/7 + ((77+7) \times ((7/7 - 7) + 7 \times 7))$
:= $8 + ((8 \times (888/((8+8)/8) + 8)) - 8/8)$
:= $9 \times 9 + ((99/9) \times ((9+9) \times (9+9) - ((9+9)/9)))$
- ▶ **3624** := $(1+1+1) \times ((11 \times (111-1)) - (1+1))$
:= $2 + (((2^{2+2} + 2 \times 22)^2) + 22)$
:= $(33 \times ((333-3)/3)) - 3 - 3$
:= $4 + (((4+4) \times (444+4+4)) + 4)$
:= $5^5 + (555 - (55+5/5))$
:= $(66 \times (66 - 66/6)) - 6$
:= $(7 \times (7 \times 77 - (7+7+7))) - (7+7)/7$
:= $8 + (8 \times (888/((8+8)/8) + 8))$
:= $9 + (((9+9) \times (99+99+9)) - 999/9)$
- ▶ **3625** := $1 + ((1+1+1) \times ((11 \times (111-1)) - (1+1)))$
:= $(2 \times (22-2))^2 + (2 \times 22 + 2/2)^2$
:= $(3-3/3+3) \times (3^{3+3} - (3/3+3))$
:= $4 + (((4+4) \times (444+4+4)) + 4/4 + 4)$
:= $5 \times (5 \times (5 \times (5 \times 5 + 5) - 5))$
:= $(6-6/6) \times ((66 \times 66 - 6)/6)$
:= $(7 \times (7 \times 77 - (7+7+7))) - 7/7$
:= $((8-8/8) \times ((8 \times 8 \times 8 - 8/8) + 8)) - 8$
:= $(9 \times ((9+9) \times (9+9) + 9 \times 9)) - (99/9+9)$
- ▶ **3626** := $((1+1+1) \times ((11 \times (111-1)) - 1)) - 1$
:= $2 \times ((2 \times 22)^2 - ((22/2)^2 + 2))$
:= $((33 \times (333-3)) - 3)/3 - 3$
:= $((44-4)/4+4) \times ((4^4-4)/4+4)$
:= $5^5 + ((5 \times 5 \times (5 \times 5 - 5)) + 5/5)$
:= $6 + ((6-6/6) \times ((66 \times 66 - 6 - 6)/6))$
:= $7 \times (7 \times 77 - (7+7+7))$
:= $(8-8/8) \times ((8 \times 8 \times 8 - ((8+8)/8) + 8)$
:= $(99-9/9) \times (((9/9+9+9) + 9) + 9)$
- ▶ **3627** := $(1+1+1) \times ((11 \times (111-1)) - 1)$
:= $22/2 + (2^{2+2} \times ((222+2)+2))$
:= $(33 \times ((333-3)/3)) - 3$
:= $44 + (((4+4) \times (444+4)) - 4/4)$
:= $5^5 + ((5 \times 5 \times (5 \times 5 - 5)) + ((5+5)/5))$
:= $66 \times 66 - ((6 \times 6/(6+6))^6)$
:= $7/7 + (7 \times (7 \times 77 - (7+7+7)))$
:= $88/8 + (8 \times (888/((8+8)/8) + 8))$
:= $(9 \times ((9+9) \times (9+9) + 9 \times 9)) - (9+9)$

$$\begin{aligned}
\blacktriangleright 3628 &:= 1 + ((1 + 1 + 1) \times ((11 \times (111 - 1)) - 1)) \\
&:= 2 \times ((2 \times (2 \times (2 \times (222 + 2)))) + 22) \\
&:= (((33 \times (333 - 3)) + 3)/3) - 3 \\
&:= 44 + ((4 + 4) \times (444 + 4)) \\
&:= 5^5 + ((5^5 - (555 + 55))/5) \\
&:= ((6 + 6)/6)^6 + (66 \times (66 - 6 - 6)) \\
&:= (7 + 7)/7 + (7 \times (7 \times 77 - (7 + 7 + 7))) \\
&:= 8 \times 8 \times (8 \times 8 - 8) + (88/((8 + 8)/8)) \\
&:= 9/9 + ((9 \times (9 + 9) \times (9 + 9) + 9 \times 9) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3629 &:= (11 \times ((1 + 1 + 1) \times (111 - 1))) - 1 \\
&:= (2 \times (2 \times 22)^2) - (22^2 + 2)/2 \\
&:= ((33 \times (333 - 3)) - 3)/3 \\
&:= 44 + (((4 + 4) \times (444 + 4)) + 4/4) \\
&:= (55 \times (55/5 + 55)) - 5/5 \\
&:= (66 \times (66 - 66/6)) - 6/6(77 - 7)/7 + 77 \times (7 \times 7 - (7 + 7)/7) \\
&:= (88/8 + 8) \times (8 \times (8 + 8 + 8) - 8/8) \\
&:= 9 + ((99/9 + 9) \times ((9/9 + 99) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3630 &:= 11 \times ((1 + 1 + 1) \times (111 - 1)) \\
&:= 2 \times ((2 \times 22)^2 - (22/2)^2) \\
&:= 33 \times ((333 - 3)/3) \\
&:= (44/4 + 4) \times 44 \times 44/(4 + 4) \\
&:= 55 \times (55/5 + 55) \\
&:= 66 \times (66 - 66/6) \\
&:= 77/7 + 77 \times (7 \times 7 - (7 + 7)/7) \\
&:= (8 \times 8 - (8/8 + 8)) \times (((8 + 8)/8) + 8 \times 8) \\
&:= (9/9 + 9) \times (99 \times 99/(9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3631 &:= 1 + (11 \times ((1 + 1 + 1) \times (111 - 1))) \\
&:= ((2 - 22^2)/2) + (2 \times (2 \times 22)^2) \\
&:= ((33 \times (333 - 3)) + 3)/3 \\
&:= 4^4 + ((44/4 + 4)^{4-4/4}) \\
&:= 5/5 + (55 \times (55/5 + 55)) \\
&:= 6/6 + (66 \times (66 - 66/6)) \\
&:= 7 \times 7 \times 77 - (((7 + 7)/7)^7 + 7) + 7 \\
&:= 888/8 + (8 \times (8 \times (8 \times 8 - 8) - 8)) \\
&:= ((9/9 + 9) \times ((9 \times 9 \times 9 \times 9 - 9)/(9 + 9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3632 &:= 1 + (1 + (11 \times ((1 + 1 + 1) \times (111 - 1)))) \\
&:= 2 + (2 \times ((2 \times 22)^2 - (22/2)^2)) \\
&:= 3 + (((33 \times (333 - 3)) - 3)/3) \\
&:= 4 + (((4 + 4) \times (444 + 4)) + 44) \\
&:= 5^5 + (((5 + 5)/5)^{5-5/5+5}) - 5 \\
&:= (6 + 6)/6 + (66 \times (66 - 66/6)) \\
&:= 7 + ((7 \times (7 \times 77 - (7 + 7 + 7))) - 7/7) \\
&:= (8 \times (8 \times (8 \times 8 - 8) + 8)) - 8 - 8 \\
&:= (9 - 9/9) \times (((9 \times 9 \times 99 - 9)/(9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3633 &:= (1 + 1 + 1) \times (1 + (11 \times (111 - 1))) \\
&:= 2 + (((2 - 22^2)/2) + (2 \times (2 \times 22)^2)) \\
&:= 3 + (33 \times ((333 - 3)/3)) \\
&:= (4 - 4/4)^4 + (4 + 4) \times 444 \\
&:= 5^5 + (((5^5 - (555 + 5))/5) - 5) \\
&:= 6 + (66 \times 66 - ((6 \times 6)/(6 + 6))^6) \\
&:= 7 + (7 \times (7 \times 77 - (7 + 7 + 7))) \\
&:= (8 - 8/8) \times ((8 \times 8 \times 8 - 8/8) + 8) \\
&:= ((99 + 9)/9 + 9) \times (99/9 + 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3634 &:= 1 + ((1 + 1 + 1) \times (1 + (11 \times (111 - 1)))) \\
&:= 2 \times (((2 \times 22)^2 - (22/2)^2) + 2) \\
&:= 3 + (((33 \times (333 - 3)) + 3)/3) \\
&:= 4 + ((44/4 + 4) \times 44 \times 44/(4 + 4)) \\
&:= 5^5 + ((5^5 - 555)/5 - 5) \\
&:= (((6 + 6)/6)^{6+6}) - (6 \times 66 + 66) \\
&:= 7 + ((7 \times (7 \times 77 - (7 + 7 + 7))) + 7/7) \\
&:= 8 + ((8 - 8/8) \times ((8 \times 8 \times 8 - (8 + 8)/8) + 8)) \\
&:= (9 \times ((9 + 9) \times (9 + 9) + 9 \times 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3635 &:= 1 + (1 + ((1 + 1 + 1) \times (1 + (11 \times (111 - 1))))) \\
&:= 222/2 + (2 \times ((2 \times 22 - 2)^2 - 2)) \\
&:= (33 \times 3^3) + ((33/3 + 3)^3) \\
&:= 4 + (((44/4 + 4)^{4-4/4}) + 4^4) \\
&:= 5 + (55 \times (55/5 + 55)) \\
&:= (6 - 6/6) \times ((66 \times 66 + 6)/6) \\
&:= 7 + ((7 \times (7 \times 77 - (7 + 7 + 7))) + ((7 + 7)/7)) \\
&:= (8 \times (8 \times (8 \times 8 - 8) + 8)) - (88 + 8 + 8)/8 \\
&:= (9 \times ((9 + 9) \times (9 + 9) + 9 \times 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3636 &:= (1 + 1 + 1) \times (1 + (1 + (11 \times (111 - 1)))) \\
&:= 2 \times (((2 \times (22 + 2))^2) - (22^2 + 2)) \\
&:= (33 \times 333/3) - 3^3 \\
&:= ((4 + 4)^4) - (444 + 4 \times 4) \\
&:= (5/5 + 5) \times ((55 \times 55 + 5)/5) \\
&:= 6 \times ((666 - 66) + 6) \\
&:= 7 \times (7 \times 77 - 7) - (77/7 + 77) \\
&:= 88 + (((8 \times 888) - 8)/(8 + 8)/8) \\
&:= 9 \times (((9 + 9)/9)^9) - (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3637 &:= 1 + ((1 + 1 + 1) \times (1 + (1 + (11 \times (111 - 1))))) \\
&:= 222/2 + ((2 \times (2 \times 22 - 2)^2) - 2) \\
&:= ((33 \times 333 + 3)/3) - 3^3 \\
&:= 4 + ((4 + 4) \times 444 + (4 - 4/4)^4) \\
&:= 5^5 + (((5 + 5)/5)^{5-5/5+5}) \\
&:= 6/6 + (6 \times ((666 - 66) + 6)) \\
&:= 77/7 + (7 \times (7 \times 77 - (7 + 7 + 7))) \\
&:= (8 \times (8 \times (8 \times 8 - 8) + 8)) - 88/8 \\
&:= 9/9 + (9 \times (((9 + 9)/9)^9) - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3638 &:= 11 + ((1 + 1 + 1) \times ((11 \times (111 - 1)) - 1)) \\
&:= 22 + (2^{2+2} \times ((222 + 2) + 2)) \\
&:= 3 + (((33/3 + 3)^3) + (33 \times 3^3)) \\
&:= ((4 + 4)^4) + ((4 + 4)/4 - (444 + 4 \times 4)) \\
&:= 5^5 + ((5^5 - (555 + 5))/5) \\
&:= (6 + 6)/6 + (6 \times ((666 - 66) + 6)) \\
&:= 7 \times 7 \times 77 - (((7 + 7)/7)^7 + 7) \\
&:= (8 - 88)/8 + (8 \times (8 \times (8 \times 8 - 8) + 8)) \\
&:= ((9 - (9 + 9)/9) \times (((9 + 9)/9)^9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3639 &:= (1 + 1 + 1) \times (1 + (1 + (1 + (11 \times (111 - 1))))) \\
&:= 222/2 + (2 \times (2 \times 22 - 2)^2) \\
&:= 3 + ((33 \times 333/3) - 3^3) \\
&:= ((4 + 4) \times (444 + 44/4)) - 4/4 \\
&:= 5^5 + (5^5 - 555)/5 \\
&:= ((6 - 6/6) \times ((6 \times 6)/(6 + 6))^6) - 6 \\
&:= 777/7 + ((7 \times 7 - 7) \times (77 + 7)) \\
&:= (8 \times (8 \times (8 \times 8 - 8) + 8)) - (8/8 + 8) \\
&:= 9 + ((9/9 + 9) \times (99 \times 99/(9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3640 &:= (11 - 1) \times (1 + (11 \times (11 \times (1 + 1 + 1)))) \\
&:= 2 \times (2 \times (2 \times 2 \times 222 + 22)) \\
&:= (3 - 3/3 + 3) \times (3^{3+3} - 3/3) \\
&:= (4 + 4) \times (444 + 44/4) \\
&:= (55 + 5/5) \times (55 + 5 + 5) \\
&:= (6 - 6/6) \times (((6 \times 6)/(6 + 6))^6) - 6/6 \\
&:= 7 \times (7 \times 77 - 7) - 77 - 7 \\
&:= (8 \times 8 - 8) \times (8/8 + 8 \times 8) \\
&:= (9/9 + 9) \times ((9 \times 9 \times 9 \times 9 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3641 &:= 11 \times (1 + ((1 + 1 + 1) \times (111 - 1))) \\
&:= 2 + ((2 \times (2 \times 22 - 2)^2) + 222/2) \\
&:= 33/3 \times ((333 - 3) + 3/3) \\
&:= ((4 + 4)^4) - (444 + 44/4) \\
&:= 5 + ((5/5 + 5) \times ((55 \times 55 + 5)/5)) \\
&:= 6 + ((6 - 6/6) \times ((66 \times 66 + 6)/6)) \\
&:= ((7 \times 7 - 7/7) \times (77 - 7/7)) - 7 \\
&:= 8/8 + ((8 \times 8 - 8) \times (8/8 + 8 \times 8)) \\
&:= 99/9 \times (((9 + 9) \times (9 + 9) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3642 &:= 1 + (11 \times (1 + ((1 + 1 + 1) \times (111 - 1)))) \\
&:= 2 + (2 \times (2 \times (2 \times 2 \times 222 + 22))) \\
&:= (3^{3+3} \times (3 - 3/3 + 3)) - 3 \\
&:= ((4 + 4)^4) + ((4 - 44)/4 - 444) \\
&:= 5 + (((5 + 5)/5)^{5-5/5+5}) + 5^5 \\
&:= 6 + (6 \times ((666 - 66) + 6)) \\
&:= 7/7 + (((7 \times 7 - 7/7) \times (77 - 7/7)) - 7) \\
&:= (8 + 8)/8 + ((8 \times 8 - 8) \times (8/8 + 8 \times 8)) \\
&:= (9 \times ((9 + 9) \times (9 + 9) + 9 \times 9)) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3643 &:= 1 + (1 + (11 \times (1 + ((1 + 1 + 1) \times (111 - 1)))))) \\
&:= 222/2 + (2 \times ((2 \times 22 - 2)^2 + 2)) \\
&:= 3 + ((3 - 3/3 + 3) \times (3^{3+3} - 3/3)) \\
&:= ((4 + 4)^4) - (((444 + 4/4) + 4) + 4) \\
&:= 5 + (((5^5 - (555 + 5))/5) + 5^5) \\
&:= 6 + ((6 \times ((666 - 66) + 6)) + 6/6) \\
&:= 7 + (7 \times (7 \times 77 - 7) - (77/7 + 77)) \\
&:= 88/8 + ((8 \times (8 \times (8 \times 8 - 8) + 8)) - (8 + 8)) \\
&:= (9 \times ((9 + 9) \times (9 + 9) + 9 \times 9)) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3644 &:= 11 + ((1 + 1 + 1) \times (1 + (11 \times (111 - 1)))) \\
&:= 2 \times ((2 \times (22 - 2))^2 + 222) \\
&:= (3^{3+3} \times (3 - 3/3 + 3)) - 3/3 \\
&:= ((4 + 4)^4) - (444 + 4 + 4) \\
&:= 5 + ((5^5 - 555)/5 + 5^5) \\
&:= ((6 - 6/6) \times ((6 \times 6/(6 + 6))^6)) - 6/6 \\
&:= 7 \times 7 \times 77 - (((7 + 7)/7)^7 + 7/7) \\
&:= 88 + ((8 \times 888 + 8)/(8 + 8)/8) \\
&:= (9 \times ((9 + 9) \times (9 + 9) + 9 \times 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3645 &:= (1 + (1 + 1 + 1 + 1)) \times (11 - 1 - 1)^{1+1+1} \\
&:= (2/2 + 2 + 2) \times ((2/2 + 2)^{2+2+2}) \\
&:= 3^{3+3} \times (3 - 3/3 + 3) \\
&:= (44 + 4/4) \times (4 - 4/4)^4 \\
&:= 5 \times ((5 - (5 + 5)/5)^{5/5+5}) \\
&:= (6 - 6/6) \times ((6 \times 6/(6 + 6))^6) \\
&:= 7 \times 7 \times 77 - ((7 + 7)/7)^7 \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8) + 8)) - (88/8)) \\
&:= 9 \times ((9 + 9) \times (9 + 9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3646 &:= ((1 + 1 + 1) \times (11 \times 111 - (1 + 1))) - 11 \\
&:= (2 \times ((2 \times 22)^2 - 2)) - 222 \\
&:= 3/3 + (3^{3+3} \times (3 - 3/3 + 3)) \\
&:= 4/4 + ((44 + 4/4) \times (4 - 4/4)^4) \\
&:= 5^5 + ((5^5 + 5/5)/(5/5 + 5)) \\
&:= 6/6 + ((6 - 6/6) \times ((6 \times 6/(6 + 6))^6)) \\
&:= 7 \times (7 \times 77 - 7) - 7/7 - 77 \\
&:= (8 \times (8 \times (8 \times 8 - 8) + 8)) - (8 + 8)/8 \\
&:= 9/9 + (9 \times ((9 + 9) \times (9 + 9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3647 &:= 1 + (((1 + 1 + 1) \times (11 \times 111 - (1 + 1))) - 11) \\
&:= 2 + ((2/2 + 2 + 2) \times ((2/2 + 2)^{2+2+2})) \\
&:= 3 + ((3^{3+3} \times (3 - 3/3 + 3)) - 3/3) \\
&:= ((4 + 4)^4) - ((444 + 4/4) + 4) \\
&:= 55 \times 55 + ((5^5 + 5 + 5)/5 - 5) \\
&:= 66/6 + (6 \times ((666 - 66) + 6)) \\
&:= 7 \times (7 \times 77 - 7) - 77 \\
&:= (8 \times (8 \times (8 \times 8 - 8) + 8)) - 8/8 \\
&:= (9 - (9 + 9)/9) \times (((9 + 9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3648 &:= (1 + 1) \times ((1 + 1)^{11} - ((1 + 1) \times (1 + 11))) \\
&:= 2 \times (2^{22/2} - (222 + 2)) \\
&:= 3 + (3^{3+3} \times (3 - 3/3 + 3)) \\
&:= ((4 + 4)^4) - (444 + 4) \\
&:= 5^5 + (555 - ((5 + 5)/5)^5) \\
&:= 6 + ((6 \times ((666 - 66) + 6)) + 6) \\
&:= (7 \times 7 - 7/7) \times (77 - 7/7) \\
&:= 8 \times (8 \times (8 \times 8 - 8) + 8) \\
&:= (9/9 + 9 + 9) \times (999/9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3649 &:= ((1 + 1 + 1) \times (11 \times 111 - 1)) - 11 \\
&:= (22/2)^2 + (2 \times (2 \times 22 - 2)^2) \\
&:= (33/3 \times (333 - 3/3)) - 3 \\
&:= 4 + ((44 + 4/4) \times (4 - 4/4)^4) \\
&:= 55 \times 55 + (5^5 - 5)/5 \\
&:= ((66/6 + 6) \times (6 \times 6 \times 6 - 6/6)) - 6 \\
&:= 7/7 + ((7 \times 7 - 7/7) \times (77 - 7/7)) \\
&:= 8/8 + (8 \times (8 \times (8 \times 8 - 8) + 8)) \\
&:= 9 + ((9/9 + 9) \times ((9 \times 9 \times 9 - 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3650 &:= 11 \times ((1 + 1 + 1) \times 111 - 1) - 1 - 1 \\
&:= (2 \times (2 \times 22)^2) - 222 \\
&:= (3 - 3/3 + 3) \times (3^{3+3} + 3/3) \\
&:= ((4 + 4)^4) - (444 + (4 + 4)/4) \\
&:= 5^5/5 + 55 \times 55 \\
&:= (6 - 6/6) \times (((6 \times 6/(6 + 6))^6) + 6/6) \\
&:= (7/7 + 7 \times 7) \times ((77 - 77/7) + 7) \\
&:= (8 + 8)/8 + (8 \times (8 \times (8 \times 8 - 8) + 8)) \\
&:= (9/9 + 9) \times ((9 \times 9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3651 &:= (11 \times ((1 + 1 + 1) \times 111 - 1)) - 1 \\
&:= 2/2 + ((2 \times (2 \times 22)^2) - 222) \\
&:= 3 + ((3^{3+3} \times (3 - 3/3 + 3)) + 3) \\
&:= ((4 + 4)^4) - (444 + 4/4) \\
&:= 55 \times 55 + (5^5 + 5)/5 \\
&:= 6 + ((6 - 6/6) \times ((6 \times 6/(6 + 6))^6)) \\
&:= 7 \times 7 \times 77 - (777 + 77)/7 \\
&:= 88/8 + ((8 \times 8 - 8) \times (8/8 + 8 \times 8)) \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9) + 9 \times 9)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3652 &:= 11 \times ((1 + 1 + 1) \times 111 - 1) \\
&:= 2 \times (2^{22/2} - 222) \\
&:= 33/3 \times (333 - 3/3) \\
&:= ((4 + 4)^4) - 444 \\
&:= 55 \times 55 + (5^5 + 5 + 5)/5 \\
&:= 66/6 \times (6 \times 66 - ((6 + 6)/6)^6) \\
&:= 7 + (7 \times 7 \times 77 - ((7 + 7)/7)^7) \\
&:= (8/(8 + 8)/8) + (8 \times (8 \times (8 \times 8 - 8) + 8)) \\
&:= 99/9 \times (((9 + 9) \times (9 + 9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3653 &:= 1 + (11 \times ((1 + 1 + 1) \times 111 - 1)) \\
&:= 2/2 + (2 \times (2^{22/2} - 222)) \\
&:= ((33 \times 333 - 3)/3) - 3 \times 3 \\
&:= 4/4 + (((4 + 4)^4) - 444) \\
&:= 5 + ((555 - ((5 + 5)/5)^5) + 5^5) \\
&:= 6 + ((6 \times ((666 - 66) + 6)) + (66/6)) \\
&:= 7 + (7 \times (7 \times 77 - 7) - (7/7 + 77)) \\
&:= ((8 - 8/8) \times (8 \times 8 \times 8 + 88/8)) - 8 \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9) + 9 \times 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3654 &:= 1 + (1 + (11 \times ((1 + 1 + 1) \times 111 - 1))) \\
&:= 2 + (2 \times (2^{22/2} - 222)) \\
&:= (33 \times 333/3) - 3 \times 3 \\
&:= ((4 + 4)^4) + ((4 + 4)/4 - 444) \\
&:= 5 + (55 \times 55 + (5^5 - 5)/5) \\
&:= 66 \times 66 - (666 + 6 \times 6) \\
&:= 7 + (7 \times (7 \times 77 - 7) - 77) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8) + 8)) - ((8 + 8)/8)) \\
&:= 9 + (9 \times ((9 + 9) \times (9 + 9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3655 &:= ((1 + 1 + 1) \times (1 + 11 \times 111)) - 11 \\
&:= (2^{2 \times (2+2+2)}) - ((22 - 2/2)^2) \\
&:= 3 + (33/3 \times (333 - 3/3)) \\
&:= 4 + (((4 + 4)^4) - (444 + 4/4)) \\
&:= 5^5 + (555 - 5 \times 5) \\
&:= (66/6 + 6) \times (6 \times 6 \times 6 - 6/6) \\
&:= 7 + ((7 \times 7 - 7/7) \times (77 - 7/7)) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8) + 8)) - 8/8) \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9) + 9 \times 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3656 &:= ((1 + 1 + 1) \times (11 \times 111 - (1 + 1))) - 1 \\
&:= 2 \times ((2^{22/2} - 222) + 2) \\
&:= ((33 \times 333 - 3)/3) - 3 - 3 \\
&:= 4 + (((4 + 4)^4) - 444) \\
&:= 5 + (55 \times 55 + (5^5 + 5)/5) \\
&:= 6 + ((6 - 6/6) \times (((6 \times 6/(6 + 6))^6) + 6/6)) \\
&:= 7 \times 7 \times 77 + (((7 - 777)/7) - 7) \\
&:= 8 + (8 \times (8 \times (8 \times 8 - 8) + 8)) \\
&:= 9 + ((9 - (9 + 9)/9) \times (((9 + 9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3657 &:= (1 + 1 + 1) \times (11 \times 111 - (1 + 1)) \\
&:= 2 + ((2^{2 \times (2+2+2)}) - ((22 - 2/2)^2)) \\
&:= (33 \times 333/3) - 3 - 3 \\
&:= 4 + (((4 + 4)^4) - 444) + 4/4 \\
&:= 5 + ((5^5 + 5 + 5)/5 + 55 \times 55) \\
&:= 6 + (((6 - 6/6) \times ((6 \times 6/(6 + 6))^6)) + 6) \\
&:= 7 \times (7 \times 77 - 7 - 7) - (77/7 + 7) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8) + 8)) + 8/8) \\
&:= 9 + ((9/9 + 9 + 9) \times (999/9 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3658 &:= 1 + ((1 + 1 + 1) \times (11 \times 111 - (1 + 1))) \\
&:= 2 + (2 \times ((2^{22/2} - 222) + 2)) \\
&:= ((33 \times 333 + 3)/3) - 3 - 3 \\
&:= 4 + (((4 + 4)/4 - 444) + ((4 + 4)^4)) \\
&:= 5^5 + (555 - (55 + 55)/5) \\
&:= (((6 + 6)/6)^{6+6}) - ((6 \times (66 + 6)) + 6) \\
&:= 77/7 + (7 \times (7 \times 77 - 7) - 77) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8) + 8)) + ((8 + 8)/8)) \\
&:= 9 + (((9/9 + 9) \times ((9 \times 9 \times 9 - 9)/(9 + 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3663 &:= 11 \times (1 + 1 + 1) \times 111 \\
&:= 222/2 \times (22/2 + 22) \\
&:= 33 \times 333/3 \\
&:= 44/4 + (((4 + 4)^4) - 444) \\
&:= 5^5 + (555 - (((55 + 5)/5) + 5)) \\
&:= 66/6 \times 666 \times 6/(6 + 6) \\
&:= 7 \times 7 \times 77 + ((7 - 777)/7) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 - 8) + 8)) - 8/8) + 8) \\
&:= 99 + ((9 + 9) \times (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3668 &:= 1 + (1 + ((1 + 1 + 1) \times (1 + 11 \times 111))) \\
&:= (2^{2+2} - 2) \times (22^2 - 222) \\
&:= 3 + (((33 \times 333 - 3)/3) + 3) \\
&:= 4 \times 4 + (((4 + 4)^4) - 444) \\
&:= 5^5 + (555 - ((55 + 5)/5)) \\
&:= (6 + 6)/6 + ((6 \times 6 \times (6 \times 6 + 66)) - 6) \\
&:= 7 \times (7 \times 77 - 7 - 7) - 7 \\
&:= (8 - 8/8) \times (((88 + 8)/8) + 8 \times 8 \times 8) \\
&:= (9 \times (99 + 9 \times 9)) + (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3659 &:= ((1 + 1 + 1) \times (11 \times 111 - 1)) - 1 \\
&:= (2 \times (2^{22/2} + 2)) - ((22 - 2/2)^2) \\
&:= ((33 \times 333 - 3)/3) - 3 \\
&:= 4 + (((4 + 4)^4) - (444 + 4/4)) + 4 \\
&:= 5 + ((55 \times 55 + (5^5 - 5)/5) + 5) \\
&:= (6 \times 6 \times (6 \times 6 + 66)) - (6/6 + 6 + 6) \\
&:= 7 + ((7 \times 7 \times 77 - ((7 + 7)/7)^7) + 7) \\
&:= 88/8 + (8 \times (8 \times (8 \times 8 - 8) + 8)) \\
&:= 9 + ((9/9 + 9) \times ((9 \times 9 \times 9 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3664 &:= 1 + (11 \times (1 + 1 + 1) \times 111) \\
&:= 2 \times (2 \times (2 \times (22^2 - (22 + 2 + 2)))) \\
&:= (33 \times 333 + 3)/3 \\
&:= 4 \times ((4 \times (4^4 - 4 \times 4)) - 44) \\
&:= 5^5 + (555 - (55/5 + 5)) \\
&:= (((6 + 6)/6)^{6+6}) - (6 \times (66 + 6)) \\
&:= 7 \times (7 \times 77 - 7 - 7) - 77/7 \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8) + 8)) + 8) \\
&:= 9/9 + (((9 + 9) \times (99 + 99)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3669 &:= (1 + 1 + 1) \times (1 + (1 + 11 \times 111)) \\
&:= (2/2 + 2) \times ((22/2 \times 222/2) + 2) \\
&:= 3 + ((33 \times 333/3) + 3) \\
&:= 4 \times 4 + (((4 + 4)^4) - 444) + 4/4 \\
&:= 5^5 + (555 - (55/5)) \\
&:= 6 + ((66/6) \times 666 \times 6/(6 + 6)) \\
&:= 7 + (7 \times 7 \times 77 - 777/7) \\
&:= 8 + ((8 - 8/8) \times (8 \times 8 \times 8 + 88/8)) \\
&:= 9 + ((99/9 + 9) \times ((999/9 - 9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3660 &:= (1 + 1 + 1) \times (11 \times 111 - 1) \\
&:= 2 \times (((2^{22/2} - 222) + 2) + 2) \\
&:= (33 \times 333/3) - 3 \\
&:= 4 + (((4 + 4)^4) - 444) + 4 \\
&:= 5 + ((555 - 5 \times 5) + 5^5) \\
&:= (6 - 66) \times (6 - (66 + 6/6)) \\
&:= 7 \times 7 \times 77 - (777 + 7 + 7)/7 \\
&:= ((88 + 8)/8) + (8 \times (8 \times (8 \times 8 - 8) + 8)) \\
&:= (99/9 + 9) \times ((999/9 - 9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3665 &:= 1 + (1 + (11 \times (1 + 1 + 1) \times 111)) \\
&:= 2 + (222/2 \times (22/2 + 22)) \\
&:= 3 + ((33 \times 333 - 3)/3) \\
&:= 4/4 + (4 \times ((4 \times (4^4 - 4 \times 4)) - 44)) \\
&:= 5^5 + ((5 + 5) \times (55 - 5/5)) \\
&:= (6 \times 6 \times (6 \times 6 + 66)) - 6/6 - 6 \\
&:= ((7 - 77)/7) + 7 \times (7 \times 77 - 7 - 7) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 - 8) + 8)) + 8/8) + 8) \\
&:= 9 \times 9 + ((9 - (9 + 9)/9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3670 &:= 1 + ((1 + 1 + 1) \times (1 + (1 + 11 \times 111))) \\
&:= (22 \times (((22/2 + 2)^2) - 2)) - 2 - 2 \\
&:= 3 + (((33 \times 333 + 3)/3) + 3) \\
&:= (44 - 4)/4 \times (444/4 + 4^4) \\
&:= 5^5 + (555 - 5 - 5) \\
&:= (6 \times 6 \times (6 \times 6 + 66)) - (6 + 6)/6 \\
&:= 7 + (((7 - 777)/7) + 7 \times 7 \times 77) \\
&:= 88 + (8 \times 8 \times (8 \times 8 - 8) - ((8 + 8)/8)) \\
&:= 999 + (99 \times (9 + 9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3661 &:= 1 + ((1 + 1 + 1) \times (11 \times 111 - 1)) \\
&:= (222/2 \times (22/2 + 22)) - 2 \\
&:= (33 \times 333 - (3 + 3))/3 \\
&:= 4 + (((4 + 4)^4) - 444) + 4/4 + 4 \\
&:= 55 \times 55 + ((55 + 5^5)/5) \\
&:= (6 \times 6 \times (6 \times 6 + 66)) - 66/6 \\
&:= 7 \times (7 \times 77 - 7 - 7) - (7 + 7) \\
&:= (8 - 8/8) \times (8 \times 8 \times 8 + 88/8) \\
&:= 9 + ((99/9) \times (((9 + 9) \times (9 + 9) - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3666 &:= (1 + 1 + 1) \times (1 + 11 \times 111) \\
&:= 2 \times (((2 \times 22) - 2/2)^2) - 2^{2+2} \\
&:= 3 + (33 \times 333/3) \\
&:= 4 + (((44 - 4)/4 - 444) + ((4 + 4)^4)) \\
&:= 5 + (((55 + 5^5)/5) + 55 \times 55) \\
&:= (6 \times 6 \times (6 \times 6 + 66)) - 6 \\
&:= (7/7 + 77) \times (7 \times 7 - (7 + 7)/7) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 - 8) + 8)) + ((8 + 8)/8)) + 8) \\
&:= 999/9 + (((9 + 9) \times (99 + 99)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3671 &:= 11 + ((1 + 1 + 1) \times (11 \times 111 - 1)) \\
&:= (22/2)^2 + ((2^{2+2} \times 222) - 2) \\
&:= 3 \times 3 + ((33 \times 333 - 3)/3) \\
&:= ((44/4 + 4) \times (4^4 - 44/4)) - 4 \\
&:= 5^5 + ((555 - 5 - 5) + 5/5) \\
&:= (6 \times 6 \times (6 \times 6 + 66)) - 6/6 \\
&:= 7 + (7 \times (7 \times 77 - 7 - 7) - (77/7)) \\
&:= 88 + (8 \times 8 \times (8 \times 8 - 8) - 8/8) \\
&:= 999 + (99 \times (9 + 9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3662 &:= (11 \times (1 + 1 + 1) \times 111) - 1 \\
&:= ((222 \times (22/2 + 22)) - 2)/2 \\
&:= (33 \times 333 - 3)/3 \\
&:= ((4 + 4)^4) + ((44 - 4)/4 - 444) \\
&:= 55 \times 55 + ((55 + 5^5 + 5)/5) \\
&:= (6 - 66)/6 + (6 \times 6 \times (6 \times 6 + 66)) \\
&:= 7 \times 7 \times 77 - 777/7 \\
&:= 8 + (((8 \times (8 \times (8 \times 8 - 8) + 8)) - ((8 + 8)/8)) + 8) \\
&:= 99 + (((9 + 9) \times (99 + 99)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3667 &:= 1 + ((1 + 1 + 1) \times (1 + 11 \times 111)) \\
&:= 2 + ((222/2 \times (22/2 + 22)) + 2) \\
&:= 3 + ((33 \times 333 + 3)/3) \\
&:= 4 + ((44/4 - 444) + ((4 + 4)^4)) \\
&:= 5^5 + (555 - (55 + 5 + 5)/5) \\
&:= 6/6 + ((6 \times 6 \times (6 \times 6 + 66)) - 6) \\
&:= 7 \times (7 \times 77 - 7 - 7) - (7/7 + 7) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8) + 8)) + (88/8)) \\
&:= (9/9 + 9 + 9) \times (((999 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3672 &:= (1 + 1 + 1) \times (1 + (1 + (1 + 11 \times 111))) \\
&:= (22 \times (((22/2 + 2)^2) - 2)) - 2 \\
&:= (33 + 3) \times (3 \times 33 + 3) \\
&:= 4 + (((4 + 4)^4) - 444) + 4 \times 4 \\
&:= 5^5 + (((5 + 5)/5 - 5 - 5) + 555) \\
&:= 6 \times 6 \times (6 \times 6 + 66) \\
&:= 7 \times 7 \times 77 - (7777/77) \\
&:= 88 + 8 \times 8 \times (8 \times 8 - 8) \\
&:= 999 + 99 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3673 &:= (11 \times (1 + (1 + 1 + 1) \times 111)) - 1 \\
&:= (22/2)^2 + (2^{2+2} \times 222) \\
&:= 3 \times 3 + ((33 \times 333 + 3)/3) \\
&:= 4 + (((4 + 4)^4) - 444) + 4 \times 4 + 4/4 \\
&:= 5^5 + (555 - ((5 + 5)/5 + 5)) \\
&:= 6/6 + (6 \times 6 \times (6 \times 6 + 66)) \\
&:= 7 \times (7 \times 77 - 7 - 7) - (7 + 7)/7 \\
&:= 8/8 + (8 \times 8 \times (8 \times 8 - 8) + 88) \\
&:= 9/9 + (99 \times (9 + 9 + 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3674 &:= 11 \times (1 + (1 + 1 + 1) \times 111) \\
&:= 22 \times (((22/2 + 2)^2) - 2) \\
&:= 33/3 \times (333 + 3/3) \\
&:= 4 + ((44 - 4)/4 \times (444/4 + 4^4)) \\
&:= 5^5 + (555 - (5/5 + 5)) \\
&:= (6 + 6)/6 + (6 \times 6 \times (6 \times 6 + 66)) \\
&:= 7 \times (7 \times 77 - 7 - 7) - 7/7 \\
&:= 88 + (8 \times 8 \times (8 \times 8 - 8) + ((8 + 8)/8)) \\
&:= 99/9 \times (((9 + 9) \times (9 + 9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3675 &:= 1 + (11 \times (1 + (1 + 1 + 1) \times 111)) \\
&:= 2/2 + (22 \times (((22/2 + 2)^2) - 2)) \\
&:= 3 + ((33 + 3) \times (3 \times 33 + 3)) \\
&:= (44/4 + 4) \times (4^4 - 44/4) \\
&:= 5^5 + (5 + 5) \times 55 \\
&:= (6 - 6/6) \times (((6 \times 6/(6 + 6))^6) + 6) \\
&:= 7 \times (7 \times 77 - (7 + 7)) \\
&:= 8 + (((8 \times 8 \times (8 \times 8 - 8) + 8)) + (88/8) + 8) \\
&:= 999/9 + ((9 + 9) \times (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3676 &:= 1 + (1 + (11 \times (1 + (1 + 1 + 1) \times 111))) \\
&:= 2 + (22 \times (((22/2 + 2)^2) - 2)) \\
&:= 3333 + ((3/3 + 3 + 3)^3) \\
&:= ((4 + 4) \times (444 + 4 \times 4)) - 4 \\
&:= 5^5 + ((5 + 5) \times 55 + 5/5) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 + 66)) - ((6 + 6)/6)) \\
&:= 7/7 + 7 \times (7 \times 77 - 7 - 7) \\
&:= 8 + ((8 - 8/8) \times (((88 + 8)/8) + 8 \times 8 \times 8)) \\
&:= ((999 + 9)/9) + ((9 + 9) \times (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3677 &:= 11 + ((1 + 1 + 1) \times (1 + 11 \times 111)) \\
&:= (((2 \times 2 \times 22 - 2)^2) + 2)/2 - 22 \\
&:= 3 + (33/3 \times (333 + 3/3)) \\
&:= 4/4 + (((4 + 4) \times (444 + 4 \times 4)) - 4) \\
&:= 5^5 + (((5 + 5)/5 - 5) + 555) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 + 66)) - 6/6) \\
&:= (7 + 7)/7 + 7 \times (7 \times 77 - 7 - 7) \\
&:= 8 + (((8 - 8/8) \times (8 \times 8 \times 8 + 88/8)) + 8) \\
&:= 9 + (((9 + 9)/9)^{99/9} + (9 \times (99 + 9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3678 &:= (1 + 1) \times (111 + ((1 + 11)^{1+1+1})) \\
&:= 2 + ((22 \times (((22/2 + 2)^2) - 2)) + 2) \\
&:= 3 + (((33 + 3) \times (3 \times 33 + 3)) + 3) \\
&:= ((4 + 4) \times (444 + 4 \times 4)) - (4 + 4)/4 \\
&:= 5^5 + (555 - (5 + 5)/5) \\
&:= 6 + (6 \times 6 \times (6 \times 6 + 66)) \\
&:= (7 + 7 + 7)/7 + 7 \times (7 \times 77 - 7 - 7) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 - 8) - ((8 + 8)/8)) + 88) \\
&:= ((9 + 9)/9) \times (((9999 - 9)/9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3679 &:= 1 + ((1 + 1) \times (111 + ((1 + 11)^{1+1+1}))) \\
&:= 2 + (((2 \times 2 \times 22 - 2)^2) + 2)/2 - 22 \\
&:= 3 + (((3/3 + 3 + 3)^3) + 3333) \\
&:= ((4 + 4) \times (444 + 4 \times 4)) - 4/4 \\
&:= 5^5 + (555 - 5/5) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 + 66)) + 6/6) \\
&:= 77/7 + (7 \times (7 \times 77 - 7 - 7) - 7) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 - 8) - 8/8) + 88) \\
&:= 9 + ((99 \times (9 + 9 + 9) - ((9 + 9)/9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3680 &:= 11 + ((1 + 1 + 1) \times (1 + (1 + 11 \times 111))) \\
&:= 2 \times (2 \times (2 \times (22^2 - (22 + 2)))) \\
&:= 3 + ((33/3 \times (333 + 3/3)) + 3) \\
&:= (4 + 4) \times (444 + 4 \times 4) \\
&:= 5^5 + 555 \\
&:= (6^{6-6/6}) - (((6 + 6)/6)^{6+6}) \\
&:= 7 + (7 \times (7 \times 77 - 7 - 7) - ((7 + 7)/7)) \\
&:= 8 + (8 \times 8 \times (8 \times 8 - 8) + 88) \\
&:= 9 + ((99 \times (9 + 9 + 9) - 9/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3681 &:= 1 + (11 + ((1 + 1 + 1) \times (1 + (1 + 11 \times 111)))) \\
&:= 2/2 + (2 \times (2 \times (2 \times (22^2 - (22 + 2)))))) \\
&:= 3 \times (((33 \times 3^3) + 333) + 3) \\
&:= 4/4 + ((4 + 4) \times (444 + 4 \times 4)) \\
&:= 5^5 + (555 + 5/5) \\
&:= 6 + ((6 - 6/6) \times (((6 \times 6/(6 + 6))^6) + 6)) \\
&:= 7 + (7 \times (7 \times 77 - 7 - 7) - 7/7) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 - 8) + 8/8) + 88) \\
&:= 9 + (99 \times (9 + 9 + 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3682 &:= ((1 + 1 + 1) \times ((11 \times (1 + 111)) - 1)) - 11 \\
&:= 2 + (2 \times (2 \times (2 \times (22^2 - (22 + 2)))))) \\
&:= (3 \times (3 + 3)) + ((33 \times 333 + 3)/3) \\
&:= (4 + 4)/4 + ((4 + 4) \times (444 + 4 \times 4)) \\
&:= 5^5 + (555 + (5 + 5)/5) \\
&:= ((66 - 6)/6) + (6 \times 6 \times (6 \times 6 + 66)) \\
&:= 7 + 7 \times (7 \times 77 - 7 - 7) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 - 8) + ((8 + 8)/8)) + 88) \\
&:= 9 + ((99 \times (9 + 9 + 9) + 999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3683 &:= (11 \times (1 + (1 + (1 + 1 + 1) \times 111))) - 1 - 1 \\
&:= 22^2 + ((2 \times (2 \times (22 - 2))^2) - 2/2) \\
&:= 3 \times 3 + (33/3 \times (333 + 3/3)) \\
&:= 4 + (((4 + 4) \times (444 + 4 \times 4)) - 4/4) \\
&:= 5 + ((555 - (5 + 5)/5) + 5^5) \\
&:= 66/6 + (6 \times 6 \times (6 \times 6 + 66)) \\
&:= 7 + (7 \times (7 \times 77 - 7 - 7) + 7/7) \\
&:= 88 + (8 \times 8 \times (8 \times 8 - 8) + (88/8)) \\
&:= 99 + ((9 - (9 + 9)/9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3684 &:= (11 \times (1 + (1 + (1 + 1 + 1) \times 111))) - 1 \\
&:= 22^2 + (2 \times (2 \times (22 - 2))^2) \\
&:= 3 + (((33 + 3) \times (3 \times 33 + 3)) + 3 \times 3) \\
&:= 4 + ((4 + 4) \times (444 + 4 \times 4)) \\
&:= 5 + ((555 - 5/5) + 5^5) \\
&:= 6 + ((6 \times 6 \times (6 \times 6 + 66)) + 6) \\
&:= 7 + (7 \times (7 \times 77 - 7 - 7) + ((7 + 7)/7)) \\
&:= 88 + (8 \times 8 \times (8 \times 8 - 8) + ((88 + 8)/8)) \\
&:= 9 + (((9 + 9) \times (99 + 99)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3685 &:= 11 \times (1 + (1 + (1 + 1 + 1) \times 111)) \\
&:= (((2 \times 2 \times 22 - 2)^2) - 22)/2 - 2 \\
&:= 33/3 \times ((333 - 3/3) + 3) \\
&:= 4 + (((4 + 4) \times (444 + 4 \times 4)) + 4/4) \\
&:= 5 + (555 + 5^5) \\
&:= (66 + 6/6) \times (66 - 66/6) \\
&:= 77/7 \times (7 \times 7 \times 7 - (7/7 + 7)) \\
&:= 88/8 \times (((8 - 8/8)^{88/8-8}) - 8) \\
&:= 99/9 \times ((9 + 9) \times (9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3686 &:= 1 + (11 \times (1 + (1 + (1 + 1 + 1) \times 111))) \\
&:= 2 + ((2 \times (2 \times (22 - 2))^2) + 22^2) \\
&:= 3^3 + (((33 \times 333 - 3)/3) - 3) \\
&:= 4 + (((4 + 4) \times (444 + 4 \times 4)) + (4 + 4)/4) \\
&:= 5 + (555 + 5^5 + 5/5) \\
&:= 6 + (((6 - 6/6) - (((6 + 6)/6)^{6+6})) \\
&:= 77/7 + 7 \times (7 \times 77 - 7 - 7) \\
&:= 88 + ((8 - 8/8) \times (8 \times 8 \times 8 + (8 + 8)/8)) \\
&:= (99 - ((9 + 9)/9)) \times ((99/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3687 &:= 1 + (1 + (11 \times (1 + (1 + (1 + 1 + 1) \times 111)))) \\
&:= (((2 \times 2 \times 22 - 2)^2) - 22)/2 \\
&:= 3 \times ((33/3)^3 - (3 \times 33 + 3)) \\
&:= 4 + (((4 + 4) \times (444 + 4 \times 4)) - 4/4 + 4) \\
&:= 5 + ((555 + (5 + 5)/5) + 5^5) \\
&:= 6 + (((6 - 6/6) \times (((6 \times 6/(6 + 6))^6) + 6)) + 6) \\
&:= (77 + 7)/7 + 7 \times (7 \times 77 - 7 - 7) \\
&:= 888/8 + (8 \times 8 \times (8 \times 8 - 8) - 8) \\
&:= (9 \times ((9 + 9) \times (9 + 9) + 99)) - (999/9 + 9)
\end{aligned}$$

- ▶ **3688** := $((1 + 1 + 1) \times (1 + (11 \times (1 + 111)))) - 11$
:= $2 \times (2 \times ((2 \times (22^2 - 22)) - 2))$
:= $3 + (33/3 \times ((333 - 3/3) + 3))$
:= $4 + (((4 + 4) \times (444 + 4 \times 4)) + 4)$
:= $5 + (((555 - (5 + 5)/5) + 5^5) + 5)$
:= $66 \times 66 - (666 + (6 + 6)/6)$
:= $7 \times 7 \times 77 - (7/7 + 77 + 7)$
:= $8 + ((8 \times 8 \times (8 \times 8 - 8) + 88) + 8)$
:= $((9 + 9)/9) \times ((9 + 9) \times (99 + 9) - (9/9 + 99))$
- ▶ **3689** := $((11111 - 11)/(1 + 1 + 1)) - 11$
:= $2 + (((2 \times 2 \times 22 - 2)^2) - 22)/2$
:= $3^3 + ((33 \times 333 - 3)/3)$
:= $44 + ((44 + 4/4) \times (4 - 4/4)^4)$
:= $5 + (((555 - 5/5) + 5^5) + 5)$
:= $(66/6 + 6) \times (6 \times 6 \times 6 + 6/6)$
:= $7 \times 7 \times 77 - 77 - 7$
:= $(8 - 8/8) \times (((8 \times 8 \times 8 - 8/8) + 8) + 8)$
:= $((9 - 9/9) + 9) \times (9 \times 9 \times 9 - (9 + 9)/9^9)$
- ▶ **3690** := $(1 + 1 + 1) \times ((11 \times (1 + 111)) - (1 + 1))$
:= $2 \times (((2 \times 22) - 2/2)^2) - (2 + 2)$
:= $3^3 + (33 \times 333/3)$
:= $(44 - 4)/4 \times ((4/4 + 4)^4 - 4^4)$
:= $5 + ((555 + 5^5) + 5)$
:= $66 \times 66 - 666$
:= $7/7 + (7 \times 7 \times 77 - (77 + 7))$
:= $(8 - (8 + 8)/8) \times (8 \times 88 - (8/8 + 88))$
:= $(9 \times 9 + 9) \times ((9 \times 9 \times 9 + 9)/(9 + 9))$
- ▶ **3691** := $1 + ((1 + 1 + 1) \times ((11 \times (1 + 111)) - (1 + 1)))$
:= $2 + (((2 \times 2 \times 22 - 2)^2) - 22)/2 + 2$
:= $3^3 + ((33 \times 333 + 3)/3)$
:= $44/4 + ((4 + 4) \times (444 + 4 \times 4))$
:= $5^5 + (555 + (55/5))$
:= $6/6 + (66 \times 66 - 666)$
:= $(7 + 7)/7 + (7 \times 7 \times 77 - (77 + 7))$
:= $8 + ((8 \times 8 \times (8 \times 8 - 8) + (88/8)) + 88)$
:= $9/9 + ((9 \times 9 + 9) \times ((9 \times 9 \times 9 + 9)/(9 + 9)))$
- ▶ **3692** := $((1 + 1 + 1) \times ((11 \times (1 + 111)) - 1)) - 1$
:= $2 \times ((2 \times (2 \times (22^2 - 22))) - 2)$
:= $((33 \times (333 + 3)) - 3)/3 - 3$
:= $(44 \times ((4 \times (4 \times 4 + 4)) + 4)) - 4$
:= $5^5 + (((55 + 5)/5) + 555)$
:= $(6 + 6)/6 + (66 \times 66 - 666)$
:= $7 + (77/7 \times (7 \times 7 \times 7 - (7/7 + 7)))$
:= $(88/((8 + 8)/8)) + (8 \times (8 \times (8 \times 8 - 8) + 8))$
:= $9 + (((9 - (9 + 9)/9) \times ((9 + 9)/9^9) + 99)$
- ▶ **3693** := $(1 + 1 + 1) \times ((11 \times (1 + 111)) - 1)$
:= $2 \times (((2 \times 22) - 2/2)^2) - 2)/2$
:= $(33 \times ((333 + 3)/3)) - 3$
:= $4/4 + ((44 \times ((4 \times (4 \times 4 + 4)) + 4)) - 4)$
:= $5^5 + ((5^5 - 5 - 5)/5 - 55)$
:= $66 + (66 \times 66 - ((6 \times 6)/(6 + 6))^6)$
:= $7 + (7 \times (7 \times 77 - 7 - 7) + (77/7))$
:= $8 \times 8 \times (8 \times 8 - 8) + ((888 - (8 + 8))/8)$
:= $9 + (((9 + 9) \times (99 + 99)) + 999/9 + 9)$
- ▶ **3694** := $1 + ((1 + 1 + 1) \times ((11 \times (1 + 111)) - 1))$
:= $2 \times (((2 \times 22) - 2/2)^2) - 2$
:= $((33 \times (333 + 3)) + 3)/3 - 3$
:= $(44 \times ((4 \times (4 \times 4 + 4)) + 4)) - (4 + 4)/4$
:= $5^5 + ((5^5 - 5)/5 - 55)$
:= $((6 + 6)/6)^{6+6} - (6 \times 66 + 6)$
:= $7 \times 7 \times 77 - ((7 + 7)/7 + 77)$
:= $(888 - 8)/8 + 8 \times 8 \times (8 \times 8 - 8)$
:= $9 + ((99/9) \times ((9 + 9) \times (9 + 9) + (99/9)))$
- ▶ **3695** := $(11 \times ((1 + 1 + 1) \times (1 + 111))) - 1$
:= $((2 \times 2 \times 22 - 2)^2) - 2)/2 - 2$
:= $((33 \times (333 + 3)) - 3)/3$
:= $(44 \times ((4 \times (4 \times 4 + 4)) + 4)) - 4/4$
:= $5^5 + (5^5/5 - 55)$
:= $6 + ((66/6 + 6) \times (6 \times 6 \times 6 + 6/6))$
:= $7 \times 7 \times 77 - 7/7 - 77$
:= $888/8 + 8 \times 8 \times (8 \times 8 - 8)$
:= $((9 \times 9 + 9)/(9 + 9)) \times ((9 \times 9 \times 9 + 9/9) + 9)$
- ▶ **3696** := $11 \times ((1 + 1 + 1) \times (1 + 111))$
:= $2 \times (2 \times (2 \times (22^2 - 22)))$
:= $33 \times ((333 + 3)/3)$
:= $44 \times ((4 \times (4 \times 4 + 4)) + 4)$
:= $5^5 + ((5^5 + 5)/5 - 55)$
:= $6 + (66 \times 66 - 666)$
:= $77 \times (7 \times 7 - 7/7)$
:= $(8 \times 8 - 8) \times (((8 + 8)/8) + 8 \times 8)$
:= $99/9 \times ((9 + 9) \times (9 + 9) + (99 + 9)/9)$
- ▶ **3697** := $1 + (11 \times ((1 + 1 + 1) \times (1 + 111)))$
:= $((2 \times 2 \times 22 - 2)^2) - 2)/2$
:= $((33 \times (333 + 3)) + 3)/3$
:= $4/4 + (44 \times ((4 \times (4 \times 4 + 4)) + 4))$
:= $5^5 + ((5^5 + 5 + 5)/5 - 55)$
:= $6 + ((66 \times 66 - 666) + 6/6)$
:= $7/7 + (77 \times (7 \times 7 - 7/7))$
:= $8/8 + ((8 \times 8 - 8) \times (((8 + 8)/8) + 8 \times 8))$
:= $99 \times (9 + 9 + 9) + (((9 + 9)/9)^{9/9+9})$
- ▶ **3698** := $1 + (1 + (11 \times ((1 + 1 + 1) \times (1 + 111))))$
:= $2 \times (((2 \times 22) - 2/2)^2)$
:= $3 + (((33 \times (333 + 3)) - 3)/3)$
:= $(4 + 4)/4 + (44 \times ((4 \times (4 \times 4 + 4)) + 4))$
:= $5 + (((5^5 - 5 - 5)/5 - 55) + 5^5)$
:= $6 + ((66 \times 66 - 666) + ((6 + 6)/6))$
:= $(7 + 7)/7 + (77 \times (7 \times 7 - 7/7))$
:= $(8 + 8)/8 + ((8 \times 8 - 8) \times (((8 + 8)/8) + 8 \times 8))$
:= $(9 \times (((9 + 9)/9)^9 - 99)) - (9/9 + 9 + 9)$
- ▶ **3699** := $(1 + 1 + 1) \times (1 + (11 \times (1 + 111)))$
:= $((2 \times 2 \times 22 - 2)^2) + 2)/2$
:= $3 + (33 \times ((333 + 3)/3))$
:= $4 + ((44 \times ((4 \times (4 \times 4 + 4)) + 4)) - 4/4)$
:= $5 + (((5^5 - 5)/5 - 55) + 5^5)$
:= $((6 + 6)/6)^{6+6} - (6 \times 66 + 6/6)$
:= $7 \times 7 \times 77 + (((7 + 7 + 7)/7) - 77)$
:= $(88/8 + 8 + 8) \times ((8 \times (8 + 8) + 8/8) + 8)$
:= $(9 \times (((9 + 9)/9)^9 - 99)) - (9 + 9)$
- ▶ **3700** := $(11111 - 11)/(1 + 1 + 1)$
:= $2 + (2 \times ((2 \times 22) - 2/2)^2)$
:= $3 + (((33 \times (333 + 3)) + 3)/3)$
:= $4 + (44 \times ((4 \times (4 \times 4 + 4)) + 4))$
:= $5 + ((5^5/5 - 55) + 5^5)$
:= $((6 + 6)/6)^{6+6} - 6 \times 66$
:= $77/7 + (7 \times 7 \times 77 - (77 + 7))$
:= $888 + ((8 \times 8 \times 88 - 8)/((8 + 8)/8))$
:= $(9/9 + 99) \times (((9/9 + 9 + 9) + 9) + 9)$
- ▶ **3701** := $1 + ((11111 - 11)/(1 + 1 + 1))$
:= $2 + (((2 \times 2 \times 22 - 2)^2) + 2)/2$
:= $3 + (((33 \times (333 + 3)) - 3)/3 + 3)$
:= $4 + ((44 \times ((4 \times (4 \times 4 + 4)) + 4)) + 4/4)$
:= $5 + (((5^5 + 5)/5 - 55) + 5^5)$
:= $6/6 + (((6 + 6)/6)^{6+6} - 6 \times 66)$
:= $7 + (7 \times 7 \times 77 - ((7 + 7)/7 + 77))$
:= $(8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) - 88/8$
:= $((9 - (9 + 9)/9) \times (((9 + 9)/9)^9 + 9) + 9) - 9$
- ▶ **3702** := $(1 + 1 + 1) \times (1 + (1 + (11 \times (1 + 111))))$
:= $2 \times (((2 \times 22) - 2/2)^2) + 2$
:= $3 + ((33 \times ((333 + 3)/3)) + 3)$
:= $((4 + 4)/4 + 4) \times ((4/4 + 4)^4 - (4 + 4))$
:= $5 + (((5^5 + 5 + 5)/5 - 55) + 5^5)$
:= $(6 \times (6 \times (6 \times 6 + 66) + 6)) - 6$
:= $7 + (7 \times 7 \times 77 - (7/7 + 77))$
:= $8 + ((888 - 8)/8 + 8 \times 8 \times (8 \times 8 - 8))$
:= $9 + (((9 + 9) \times (99 + 99)) + 999/9 + 9) + 9$

$$\begin{aligned}
\blacktriangleright 3703 &:= (11111 - (1 + 1)) / (1 + 1 + 1) \\
&:= 2 + (((((2 \times 2 \times 22 - 2)^2) + 2) / 2) + 2) \\
&:= 3 + (((33 \times (333 + 3)) + 3) / 3) + 3 \\
&:= (44 / 4 \times ((4 - 4 / 4)^4 + 4^4)) - 4 \\
&:= 5 \times 5 + ((555 - (5 + 5) / 5) + 5^5) \\
&:= 6 / 6 + ((6 \times (6 \times (6 \times 6 + 66) + 6)) - 6) \\
&:= 7 + (77 \times (7 \times 7 - 7 / 7)) \\
&:= 8 + (8 \times 8 \times (8 \times 8 - 8) + 888 / 8) \\
&:= (9 \times (9 + 9) - 9 / 9) \times (99 + 99 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3704 &:= (1 + 11111) / (1 + 1 + 1) \\
&:= 2 + (2 \times (((2 \times 22) - 2 / 2)^2) + 2) \\
&:= 3 \times 3 + (((33 \times (333 + 3)) - 3) / 3) \\
&:= 4 + ((44 \times ((4 \times (4 \times 4 + 4)) + 4)) + 4) \\
&:= 5 \times 5 + ((555 - 5 / 5) + 5^5) \\
&:= (6 + 6) / 6 + ((6 \times (6 \times (6 \times 6 + 66) + 6)) - 6) \\
&:= 7 + ((77 \times (7 \times 7 - 7 / 7)) + 7 / 7) \\
&:= (8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) - 8 \\
&:= 9 + (((9 \times 9 + 9) / (9 + 9)) \times ((9 \times 9 \times 9 + 9 / 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3705 &:= 1 + ((1 + 11111) / (1 + 1 + 1)) \\
&:= 2 + ((((((2 \times 2 \times 22 - 2)^2) + 2) / 2) + 2) + 2) \\
&:= 3 \times (((33 / 3)^3 - 3 \times 33) + 3) \\
&:= (44 / 4 + 4) \times (4^4 - (4 / 4 + 4 + 4)) \\
&:= 5 \times 5 + (555 + 5^5) \\
&:= (6 - 6 / 6) \times (((6 \times 6 / (6 + 6))^6) + 6) + 6 \\
&:= 7 + ((77 \times (7 \times 7 - 7 / 7)) + ((7 + 7) / 7)) \\
&:= (8 / 8 + 8 \times 8) \times ((8 / 8 - 8) + 8 \times 8) \\
&:= (9 \times (((9 + 9) / 9)^9) - 99) - (99 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3706 &:= 1 + (1 + ((1 + 11111) / (1 + 1 + 1))) \\
&:= 2 \times (((((2 \times 22) - 2 / 2)^2) + 2) + 2) \\
&:= 3 \times 3 + (((33 \times (333 + 3)) + 3) / 3) \\
&:= (((4 + 4) / 4 + 4) \times (4 / 4 + 4^4)) - 44 \\
&:= 5 \times 5 + (555 + 5^5 + 5 / 5) \\
&:= 6 + (((6 + 6) / 6)^{6+6}) - 6 \times 66 \\
&:= 7 \times (7 \times 77 - 7) - (77 / 7 + 7) \\
&:= 8 / 8 + ((8 / 8 + 8 \times 8) \times ((8 / 8 - 8) + 8 \times 8)) \\
&:= (9 \times (((9 + 9) / 9)^9) - 99) - 99 / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3707 &:= 11 \times (1 + ((1 + 1 + 1) \times (1 + 111))) \\
&:= 22 / 2 \times (((22 + 2 + 2)^2) - 2) / 2 \\
&:= 33 / 3 \times ((333 + 3 / 3) + 3) \\
&:= 44 / 4 \times ((4 - 4 / 4)^4 + 4^4) \\
&:= 5 \times 5 + ((555 + (5 + 5) / 5) + 5^5) \\
&:= (6 \times (6 \times (6 \times 6 + 66) + 6)) - 6 / 6 \\
&:= 77 / 7 + (77 \times (7 \times 7 - 7 / 7)) \\
&:= 88 / 8 + ((8 \times 8 - 8) \times (((8 + 8) / 8) + 8 \times 8)) \\
&:= (9 \times (((9 + 9) / 9)^9) - 99) - 9 / 9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3708 &:= 1 + (11 \times (1 + ((1 + 1 + 1) \times (1 + 111)))) \\
&:= 2 + (2 \times (((((2 \times 22) - 2 / 2)^2) + 2) + 2)) \\
&:= 333 + (3 \times 3 + 3 + 3)^3 \\
&:= 4 \times (4 \times (4^4 - 4) - (4 - 4 / 4)^4) \\
&:= (5 / 5 + 5) \times ((5^5 - 5 - 5) / 5 - 5) \\
&:= 6 \times (6 \times (6 \times 6 + 66) + 6) \\
&:= 7 \times 7 \times 77 + ((77 + 7) / 7 - 77) \\
&:= 888 + ((8 \times 8 \times 88 + 8) / ((8 + 8) / 8)) \\
&:= (9 \times (((9 + 9) / 9)^9) - 99) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3709 &:= 1 + (1 + (11 \times (1 + ((1 + 1 + 1) \times (1 + 111)))))) \\
&:= (((2 \times 2 \times 22 - 2)^2) + 22) / 2 \\
&:= 3 / 3 + (((3 \times 3 + 3 + 3)^3 + 333) \\
&:= (((4^4 - 4) / 4)^{(4+4)/4}) - (4^4 + 4) \\
&:= ((5 / 5 + 5) \times ((5^5 - 5) / 5 - 5)) - 5 \\
&:= 6 / 6 + (6 \times (6 \times (6 \times 6 + 66) + 6)) \\
&:= 7 \times (7 \times 77 - 7) - (7 / 7 + 7 + 7) \\
&:= 8 + ((8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) - (88 / 8)) \\
&:= 9 / 9 + ((9 \times (((9 + 9) / 9)^9) - 99) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3710 &:= (((1 + 11^{1+1}) / (1 + 1))^{1+1}) - 11 \\
&:= 2 \times ((((((2 \times 22) - 2 / 2)^2) + 2) + 2) + 2) \\
&:= 3 + (33 / 3 \times ((333 + 3 / 3) + 3)) \\
&:= 4 + (((4 + 4) / 4 + 4) \times (4 / 4 + 4^4)) - 44 \\
&:= 5 + ((555 + 5 \times 5) + 5^5) \\
&:= (6 + 6) / 6 + (6 \times (6 \times (6 \times 6 + 66) + 6)) \\
&:= 7 \times (7 \times 77 - 7) - (7 + 7) \\
&:= (8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) - (8 + 8) / 8 \\
&:= (9 - (9 + 9) / 9) \times (((9 + 9) / 9)^9 + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3711 &:= 1 + (((1 + 11^{1+1}) / (1 + 1))^{1+1}) - 11 \\
&:= 2 + (((((2 \times 2 \times 22 - 2)^2) + 22) / 2) \\
&:= 3 + ((3 \times 3 + 3 + 3)^3 + 333) \\
&:= 4 + (44 / 4 \times ((4 - 4 / 4)^4 + 4^4)) \\
&:= 5 + (((555 + 5 \times 5) + 5^5) + 5 / 5) \\
&:= 66 + ((6 - 6 / 6) \times ((6 \times 6 / (6 + 6))^6)) \\
&:= 7 / 7 + (7 \times (7 \times 77 - 7) - (7 + 7)) \\
&:= (8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) - 8 / 8 \\
&:= 9 / 9 + ((9 - (9 + 9) / 9) \times (((9 + 9) / 9)^9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3712 &:= 1 + (1 + (((1 + 11^{1+1}) / (1 + 1))^{1+1}) - 11) \\
&:= 2 \times (2 \times (2 \times 222 + 22^2)) \\
&:= ((3 / 3 + 3)^3) \times (((3 / 3 + 3)^3) - (3 + 3)) \\
&:= 4 \times (4 \times (4^4 - ((4 \times 4 + 4) + 4))) \\
&:= 5^5 + (((5 + 5) / 5)^5 + 555) \\
&:= ((6 + 6) / 6)^6 \times (((6 + 6) / 6)^6 - 6) \\
&:= 7 \times (7 \times 77 - 7) - (77 + 7) / 7 \\
&:= 8 \times ((8 \times (8 \times 8 - 8) + 8) + 8) \\
&:= ((9 \times 9 - (99 / 9 + 9))^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3713 &:= 11 + ((1 + 1 + 1) \times (1 + (1 + (11 \times (1 + 111)))))) \\
&:= 2 + (((((2 \times 2 \times 22 - 2)^2) + 22) / 2) + 2) \\
&:= 3 + ((33 / 3 \times ((333 + 3 / 3) + 3)) + 3) \\
&:= (((4^4 - 4) / 4)^{(4+4)/4}) - 4^4 \\
&:= 5 + ((5 / 5 + 5) \times ((5^5 - 5 - 5) / 5 - 5)) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 + 66) + 6)) - 6 / 6) \\
&:= 7 \times (7 \times 77 - 7) - 77 / 7 \\
&:= 8 / 8 + (8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) \\
&:= 9 / 9 + (((9 \times 9 - (99 / 9 + 9))^{(9+9)/9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3714 &:= 11 + ((11111 - (1 + 1)) / (1 + 1 + 1)) \\
&:= (22 \times ((22 / 2 + 2)^2)) - 2 - 2 \\
&:= 3 + (((3 \times 3 + 3 + 3)^3 + 333) + 3) \\
&:= 4 / 4 + (((4^4 - 4) / 4)^{(4+4)/4}) - 4^4 \\
&:= (5 / 5 + 5) \times ((5^5 - 5) / 5 - 5) \\
&:= 6 + (6 \times (6 \times (6 \times 6 + 66) + 6)) \\
&:= ((7 - 77) / 7) + 7 \times (7 \times 77 - 7) \\
&:= (8 + 8) / 8 + (8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) \\
&:= (9 \times (((9 + 9) / 9)^9) - 99) - (9 + 9 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3715 &:= 11 + ((1 + 11111) / (1 + 1 + 1)) \\
&:= (22 \times ((22 / 2 + 2)^2)) - 2 / 2 - 2 \\
&:= (((3 / 3 + 3)^3 - 3)^{3-3/3}) - 3 - 3 \\
&:= ((4 + 4)^4) + (((4^4 - 4) / 4) - 444) \\
&:= ((5 / 5 + 5) \times (5^5 / 5 - 5)) - 5 \\
&:= ((66 - 6 + 6 / 6)^{(6+6)/6}) - 6 \\
&:= 7 \times (7 \times 77 - 7) - ((7 + 7) / 7 + 7) \\
&:= 88 / 8 + ((8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) - 8) \\
&:= (9 \times (((9 + 9) / 9)^9) - 99) - (9 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3716 &:= (1 + 1) \times ((11 \times (1 + 1 + 11)^{1+1}) - 1) \\
&:= (22 \times ((22 / 2 + 2)^2)) - 2 \\
&:= (3^3 \times (33 + 3)) + ((33 / 3 + 3)^3) \\
&:= (4 \times 4 \times (4^4 + 4)) - 444 \\
&:= (((55 + 5 / 5) + 5)^{(5+5)/5}) - 5 \\
&:= (6 \times (666 - 6 \times 6)) - ((6 + 6) / 6)^6 \\
&:= 7 \times (7 \times 77 - 7) - (7 / 7 + 7) \\
&:= (8 / ((8 + 8) / 8)) + (8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) \\
&:= (9 \times (((9 + 9) / 9)^9) - 99) - 9 / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3717 &:= ((1 + 1) \times (11 \times (1 + 1 + 11)^{1+1})) - 1 \\
&:= (22 \times ((22 / 2 + 2)^2)) - 2 / 2 \\
&:= 3 \times ((3 \times (3 \times 3^3 + 333)) - 3) \\
&:= ((4^4 - 4) / 4) \times (((4^4 - 4) / 4) - 4) \\
&:= 5 + (((5 + 5) / 5)^5 + 555) + 5^5 \\
&:= 6 + (((6 - 6) / 6) \times ((6 \times 6 / (6 + 6))^6)) + 66 \\
&:= 7 \times (7 \times 77 - 7) - 7 \\
&:= (8 - 8 / 8) \times ((8 \times 8 \times 8 + 88 / 8) + 8) \\
&:= 9 \times (((9 + 9) / 9)^9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3718 &:= (1+1) \times (11 \times (1+1+11)^{1+1}) \\
&:= 22 \times ((22/2+2)^2) \\
&:= ((3/3+3)^3 - 3)^{3-3/3} - 3 \\
&:= 4/4 + (((4^4-4)/4) \times (((4^4-4)/4) - 4)) \\
&:= 5^5 + (5^5/5 - ((5+5)/5)^5) \\
&:= 6 + (((6+6)/6)^6 \times (((6+6)/6)^6 - 6)) \\
&:= 7/7 + (7 \times (7 \times 77 - 7) - 7) \\
&:= 8 + ((8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) - ((8+8)/8)) \\
&:= 9/9 + (9 \times (((9+9)/9)^9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3719 &:= 1 + ((1+1) \times (11 \times (1+1+11)^{1+1})) \\
&:= 2/2 + (22 \times ((22/2+2)^2)) \\
&:= 3 + 3^3 \times (33+3) + (33/3+3)^3 \\
&:= ((44/4+4) \times (4^4-4-4)) - 4/4 \\
&:= 5 + ((5/5+5) \times ((5^5-5)/5-5)) \\
&:= 66/6 + (6 \times (6 \times (6 \times 6 + 66) + 6)) \\
&:= (7+7)/7 + (7 \times (7 \times 77 - 7) - 7) \\
&:= 8 + ((8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) - 8/8) \\
&:= (9+9)/9 + (9 \times (((9+9)/9)^9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3720 &:= (((1+11^{1+1})/(1+1))^{1+1}) - 1 \\
&:= 2 + (22 \times ((22/2+2)^2)) \\
&:= 3 + (3 \times (3 \times 333 - 3) + 3^{3+3}) \\
&:= (44/4+4) \times (4^4-4-4) \\
&:= (5/5+5) \times (5^5/5-5) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 + 66) + 6)) + 6) \\
&:= 7 + (7 \times (7 \times 77 - 7) - (77/7)) \\
&:= 8 + (8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) \\
&:= (9/9+9) \times ((99 \times 99/(9+9+9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3721 &:= ((1+11^{1+1})/(1+1))^{1+1} \\
&:= (2^{2+2+2} - (2/2+2))^2 \\
&:= (((3/3+3)^3) - 3)^{3-3/3} \\
&:= ((4^4+4)/4-4)^{(4+4)/4} \\
&:= ((55+5/5)+5)^{(5+5)/5} \\
&:= (66-6+6/6)^{(6+6)/6} \\
&:= 7 \times (7 \times 77 - 7) - (7+7+7)/7 \\
&:= ((8 \times 8 - 88/8) + 8)^{(8+8)/8} \\
&:= (9 \times 9 - (99/9+9))^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3722 &:= 1 + (((1+11^{1+1})/(1+1))^{1+1}) \\
&:= 2 + ((22 \times ((22/2+2)^2)) + 2) \\
&:= 3^3 + (((33 \times (333+3)) - 3)/3) \\
&:= 4/4 + (((4^4+4)/4-4)^{(4+4)/4}) \\
&:= 5^5 + ((5^5+5+5)/5 - (5 \times 5+5)) \\
&:= 6/6 + ((66-6+6/6)^{(6+6)/6}) \\
&:= 7 \times (7 \times 77 - 7) - (7+7)/7 \\
&:= 8 + ((8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) + ((8+8)/8)) \\
&:= 9/9 + ((9 \times 9 - (99/9+9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3723 &:= 1 + (1 + (((1+11^{1+1})/(1+1))^{1+1})) \\
&:= 2 + ((2^{2+2+2} - (2/2+2))^2) \\
&:= 3 \times (((3-3/3)^{3 \times 3}) + 3^{3+3}) \\
&:= 4^4 + (((4+4)^4) - ((4/4+4)^4 + 4)) \\
&:= 5^5 + ((5^5-5-5)/5 - 5 \times 5) \\
&:= (6+6)/6 + ((66-6+6/6)^{(6+6)/6}) \\
&:= 7 \times (7 \times 77 - 7) - 7/7 \\
&:= 88/8 + (8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) \\
&:= ((9+9+9)/9) \times (((9+9)/9)^9) + 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3724 &:= 1 + (1 + (1 + (((1+11^{1+1})/(1+1))^{1+1}))) \\
&:= 2 + (((22 \times ((22/2+2)^2)) + 2) + 2) \\
&:= 3 + (((3/3+3)^3) - 3)^{3-3/3} \\
&:= 4 + ((44/4+4) \times (4^4-4-4)) \\
&:= 5^5 + ((5^5-5)/5 - 5 \times 5) \\
&:= 6 + (((6+6)/6)^6 \times (((6+6)/6)^6 - 6)) + 6 \\
&:= 7 \times (7 \times 77 - 7) \\
&:= (8-8/8) \times (((88+8)/8) + 8 \times 8 \times 8) + 8 \\
&:= (99-9/9) \times ((99/9+9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3725 &:= ((1+1+1) \times ((11 \times (1+1+111)) - 1)) - 1 \\
&:= 2 + (((2^{2+2+2} - (2/2+2))^2) + 2) \\
&:= 3^{3+3} + (3 \times 3 \times 333 - 3/3) \\
&:= 4 + (((4^4+4)/4-4)^{(4+4)/4}) \\
&:= 5 \times (5 \times 5 \times (5 \times 5+5) - 5) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 + 66) + 6)) + (66/6)) \\
&:= 7/7 + 7 \times (7 \times 77 - 7) \\
&:= 8 + ((8-8/8) \times ((8 \times 8 \times 8 + 88/8) + 8)) \\
&:= ((9+9) \times (99+99+9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3726 &:= (1+1+1) \times ((11 \times (1+1+111)) - 1) \\
&:= ((2 \times 22) + 2) \times (2/2+2)^{2+2} \\
&:= 3 \times (3 \times (3 \times 3^3 + 333)) \\
&:= ((4+4)/4+4) \times ((4/4+4)^4 - 4) \\
&:= 5^5 + ((5^5+5)/5 - 5 \times 5) \\
&:= 6 \times 6 + (66 \times 66 - 666) \\
&:= (7+7)/7 + 7 \times (7 \times 77 - 7) \\
&:= 8 + (((8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) - ((8+8)/8)) + 8) \\
&:= (9+9) \times (99+99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3727 &:= 1 + ((1+1+1) \times ((11 \times (1+1+111)) - 1)) \\
&:= 2 + (((2^{2+2+2} - (2/2+2))^2) + 2) + 2 \\
&:= 3 + ((3/3+3)^3 - 3)^{3-3/3} + 3 \\
&:= 4^4 + (((4+4)^4) - (4/4+4)^4) \\
&:= 5^5 + ((5^5+5+5)/5 - 5 \times 5) \\
&:= 6 + ((66-6+6/6)^{(6+6)/6}) \\
&:= (7+7+7)/7 + 7 \times (7 \times 77 - 7) \\
&:= 8 + (((8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) - 8/8) + 8) \\
&:= 9/9 + ((9+9) \times (99+99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3728 &:= (11 \times ((1+1+1) \times (1+1+111))) - 1 \\
&:= 2 \times (2 \times (2 \times (2 \times 222 + 22))) \\
&:= 33 + (((33 \times (333+3)) - 3)/3) \\
&:= 4 \times 44 + (4+4) \times 444 \\
&:= 5^5 + ((5^5 - (55+55))/5) \\
&:= 6 + (((66-6+6/6)^{(6+6)/6}) + 6/6) \\
&:= 77/7 + (7 \times (7 \times 77 - 7) - 7) \\
&:= 8 + ((8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) + 8) \\
&:= (9+9)/9 + ((9+9) \times (99+99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3729 &:= 11 \times ((1+1+1) \times (1+1+111)) \\
&:= 22/2 + (22 \times ((22/2+2)^2)) \\
&:= 33 \times ((333-3)/3+3) \\
&:= ((4+4)^4) - (444/4+4^4) \\
&:= 5^5 + ((55 \times 55 - 5)/5) \\
&:= 6 \times 66 + 6666 \times 6/(6+6) \\
&:= 7 + (7 \times (7 \times 77 - 7) - ((7+7)/7)) \\
&:= 8 + (((8 \times 8 - 88/8) + 8)^{(8+8)/8}) \\
&:= (99+9)/9 + (9 \times (((9+9)/9)^9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3730 &:= 1 + (11 \times ((1+1+1) \times (1+1+111))) \\
&:= 2 + (2 \times (2 \times (2 \times (2 \times 222 + 22)))) \\
&:= 3 \times 3 + (((3/3+3)^3 - 3)^{3-3/3}) \\
&:= 4 + (((4+4)/4+4) \times ((4/4+4)^4 - 4)) \\
&:= 5^5 + (55 \times (55/5)) \\
&:= (6 \times (6-66)) + (((6+6)/6)^{6+6}) - 6 \\
&:= 7 + (7 \times (7 \times 77 - 7) - 7/7) \\
&:= 8 + (((8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) + ((8+8)/8)) + 8) \\
&:= 9 + ((9 \times 9 - (99/9+9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3731 &:= 1 + (1 + (11 \times ((1+1+1) \times (1+1+111)))) \\
&:= (22/2+2) \times (((22+2)^2) - 2)/2 \\
&:= 3 + (((33 \times (333+3)) - 3)/3 + 33) \\
&:= 4 + (((4+4)^4) - (4/4+4)^4) + 4^4 \\
&:= 5^5 + ((55 \times 55+5)/5) \\
&:= 66 + ((6 \times 6 \times (6 \times 6 + 66)) - (6/6+6)) \\
&:= 7 + 7 \times (7 \times 77 - 7) \\
&:= 8 + ((8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) + (88/8)) \\
&:= ((9/9+9 \times 9) + 9) \times ((9 \times 9 \times 9+9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3732 &:= 11 + (((1+11^{1+1})/(1+1))^{1+1}) \\
&:= 2 \times ((2 \times (2 \times (2 \times 222 + 22))) + 2) \\
&:= 3 + (33 \times (((333-3)/3) + 3)) \\
&:= 4 + ((4+4) \times 444 + 4 \times 44) \\
&:= 5^5 + (((55 \times 55+5) + 5)/5) \\
&:= 66 + ((6 \times 6 \times (6 \times 6 + 66)) - 6) \\
&:= 7 + (7 \times (7 \times 77 - 7) + 7/7) \\
&:= (8888/((8+8)/8)) - (8 \times 88+8) \\
&:= 9 + (((9+9+9)/9) \times (((9+9)/9)^9) + 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3733 &:= 1 + (11 + (((1 + 11^{1+1})/(1 + 1))^{1+1})) \\
&:= ((2^{2+2+2} - 2)^2) - 222/2 \\
&:= ((3/3 + 3)^{3+3}) - (33 \times 33/3) \\
&:= 4 + (((4 + 4)^4) - (444/4 + 4^4)) \\
&:= 5^5 + (((5^5 - (55 + 5))/5) - 5) \\
&:= 6 + (((66 - 6 + 6/6)^{6+6}/6) + 6) \\
&:= 7 + (7 \times (7 \times 77 - 7) + ((7 + 7)/7)) \\
&:= 8 + (((8 - 8/8) \times ((8 \times 8 \times 8 + 88/8) + 8)) + 8) \\
&:= 9 + ((99 - 9/9) \times ((99/9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3734 &:= 1 + (1 + (11 + (((1 + 11^{1+1})/(1 + 1))^{1+1}))) \\
&:= 2^{2+2} + (22 \times ((22/2 + 2)^2)) \\
&:= (3 \times (333 - 3)) + ((33/3 + 3)^3) \\
&:= (((4 + 4)/4 + 4) \times (4/4 + 4^4) - 4 \times 4) \\
&:= 5^5 + (((5^5 - 55)/5) - 5) \\
&:= (6 - 66)/6 + (6 \times (666 - (6 \times 6 + 6))) \\
&:= ((77 - 7)/7) + 7 \times (7 \times 77 - 7) \\
&:= 88 + ((8 \times (8 \times (8 \times 8 - 8) + 8)) - ((8 + 8)/8)) \\
&:= 9 + (((9 + 9) \times (99 + 99 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3735 &:= (1 + 1 + 1) \times (1 + (1 + (11 \times (1 + 1 + 11)))) \\
&:= 2 + (((2^{2+2+2} - 2)^2) - 222/2) \\
&:= 3 \times ((3 \times (3 \times 3^3 + 333)) + 3) \\
&:= (44/4 + 4) \times ((4^4 - 44/4) + 4) \\
&:= 55 + (555 + 5^5) \\
&:= 6 + (6666 \times 6/(6 + 6) + 6 \times 66) \\
&:= 77/7 + 7 \times (7 \times 77 - 7) \\
&:= 88 + ((8 \times (8 \times (8 \times 8 - 8) + 8)) - 8/8) \\
&:= 9 + ((9 + 9) \times (99 + 99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3736 &:= 1 + ((1 + 1 + 1) \times (1 + (1 + (11 \times (1 + 1 + 11)))))) \\
&:= 2 \times (2 \times ((2 \times (2 \times 222 + 22)) + 2)) \\
&:= ((3/3 + 3)^{3+3}) - (333 + 3^3) \\
&:= (44 \times ((4 - 4/4)^4 + 4)) - 4 \\
&:= 5 + (((55 \times 55 + 5)/5) + 5^5) \\
&:= (6 \times (6 - 66)) + (((6 + 6)/6)^{6+6}) \\
&:= (77 + 7)/7 + 7 \times (7 \times 77 - 7) \\
&:= 88 + (8 \times (8 \times (8 \times 8 - 8) + 8)) \\
&:= 9 + (((9 + 9) \times (99 + 99 + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3737 &:= (111/(1 + 1 + 1)) \times (1 + (11 - 1)^{1+1}) \\
&:= 2^{2+2} + ((2^{2+2+2} - (2/2 + 2))^2) \\
&:= (33/3 \times (((3/3 + 3 + 3)^3) - 3)) - 3 \\
&:= 4 \times 4 + (((4^4 + 4)/4 - 4)^{(4+4)/4}) \\
&:= 5^5 + ((5^5 - (55 + 5 + 5))/5) \\
&:= 66 + ((6 \times 6 \times (6 \times 6 + 66)) - 6/6) \\
&:= 7 + ((7 \times (7 \times 77 - 7) - 7/7) + 7) \\
&:= 8/8 + ((8 \times (8 \times (8 \times 8 - 8) + 8)) + 88) \\
&:= 99/9 + ((9 + 9) \times (99 + 99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3738 &:= (1 + 1) \times ((11 \times (1 + (1 + 1 + 11))^{1+1})) - 1 \\
&:= 2 \times (((((2 \times 22) - 2/2)^2) - 2) + 22) \\
&:= 3 + (3 \times (3 \times 333 + 3) + 3^{3+3}) \\
&:= ((44 - 4)/4 + 4) \times (44/4 + 4^4) \\
&:= 5^5 + ((5^5 - (55 + 5))/5) \\
&:= 66 + (6 \times 6 \times (6 \times 6 + 66)) \\
&:= 7 + (7 \times (7 \times 77 - 7) + 7) \\
&:= 88 + ((8 \times (8 \times (8 \times 8 - 8) + 8)) + ((8 + 8)/8)) \\
&:= (99 + 9)/9 + ((9 + 9) \times (99 + 99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3739 &:= ((111 - 1) \times (1 + 11 \times (1 + 1 + 1))) - 1 \\
&:= 22 + ((22 \times ((22/2 + 2)^2)) - 2/2) \\
&:= 3 + (((3/3 + 3)^{3+3}) - (333 + 3^3)) \\
&:= (44 \times ((4 - 4/4)^4 + 4)) - 4/4 \\
&:= 5^5 + ((5^5 - 55)/5) \\
&:= 66 + ((6 \times 6 \times (6 \times 6 + 66)) + 6/6) \\
&:= 7 + ((7 \times (7 \times 77 - 7) + 7/7) + 7) \\
&:= 8 + (((8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) + (88/8)) + 8) \\
&:= 9 + (((9 \times 9 - (99/9 + 9))^{(9+9)/9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3740 &:= (111 - 1) \times (1 + 11 \times (1 + 1 + 1)) \\
&:= 22 + (22 \times ((22/2 + 2)^2)) \\
&:= 33/3 \times (((3/3 + 3 + 3)^3) - 3) \\
&:= 44 \times ((4 - 4/4)^4 + 4) \\
&:= 5^5 + (5^5/5 - (5 + 5)) \\
&:= (6 \times 6 - ((6 + 6)/6)) \times ((666 - 6)/6) \\
&:= 7 + ((7 \times (7 \times 77 - 7) + ((7 + 7)/7)) + 7) \\
&:= (8888/((8 + 8)/8)) - 8 \times 88 \\
&:= (9/9 + 9) \times (((9 \times 9 \times 9 \times 9 + 9)/(9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3741 &:= 1 + ((111 - 1) \times (1 + 11 \times (1 + 1 + 1))) \\
&:= ((2^{2+2+2} + 2/2)^2) - 22^2 \\
&:= 3 \times ((33/3)^3 - (3 \times 3^3 + 3)) \\
&:= 4/4 + (44 \times ((4 - 4/4)^4 + 4)) \\
&:= 5^5 + ((5^5 + 5)/5 - (5 + 5)) \\
&:= 66 + ((6 - 6/6) \times (((6 \times 6/(6 + 6))^6) + 6)) \\
&:= 7 + (7 \times (7 \times 77 - 7) + ((77 - 7)/7)) \\
&:= (8/8 - 88) \times (8/8 - (88/((8 + 8)/8))) \\
&:= (99/9 + 9 + 9) \times ((999/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3742 &:= 1 + (1 + ((111 - 1) \times (1 + 11 \times (1 + 1 + 1)))) \\
&:= 2 \times (((((2 \times 22) - 2/2)^2) + 22) \\
&:= 3/3 + (3 \times ((33/3)^3 - (3 \times 3^3 + 3))) \\
&:= (4 + 4)/4 + (44 \times ((4 - 4/4)^4 + 4)) \\
&:= 5^5 + ((5^5 + 5 + 5)/5 - (5 + 5)) \\
&:= 6 + (((6 + 6)/6)^{6+6}) + (6 \times (6 - 66)) \\
&:= 7 + (7 \times (7 \times 77 - 7) + (77/7)) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 - 8) + 8)) - ((8 + 8)/8)) + 88) \\
&:= 9 + (((99 - 9/9) \times ((99/9 + 9 + 9) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3743 &:= ((1 + 1) \times ((1 + 1 + 11) \times (1 + 11)^{1+1})) - 1 \\
&:= 22 + ((2^{2+2+2} - (2/2 + 2))^2) \\
&:= 3 \times 333 + ((33/3 + 3)^3) \\
&:= ((4 + 4)^4) - ((4 + 4) \times 44 + 4/4) \\
&:= 5^5 + ((5^5 - 5 - 5)/5 - 5) \\
&:= (6 \times (666 - (6 \times 6 + 6))) - 6/6 \\
&:= 7 + (7 \times (7 \times 77 - 7) + (77 + 7)/7) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 - 8) + 8)) - 8/8) + 88) \\
&:= (9/9 + 9 + 9) \times ((99 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3744 &:= (1 + 1) \times ((1 + 1 + 11) \times (1 + 11)^{1+1}) \\
&:= 2 \times (2 \times (2 \times (22^2 - 2^{2+2}))) \\
&:= (33 + 3 + 3) \times (3 \times 33 - 3) \\
&:= ((4 + 4)^4) - (4 + 4) \times 44 \\
&:= 5^5 + ((5^5 - 5)/5 - 5) \\
&:= 6 \times (666 - (6 \times 6 + 6)) \\
&:= (7 \times 7 - 7/7) \times (7/7 + 77) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8) + 8)) + 88) \\
&:= 9 + (((9 + 9) \times (99 + 99 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3745 &:= 1 + ((1 + 1) \times ((1 + 1 + 11) \times (1 + 11)^{1+1})) \\
&:= (((22/2 + 2) \times ((22 + 2)^2)) + 2)/2 \\
&:= 3/3 + ((33 + 3 + 3) \times (3 \times 33 - 3)) \\
&:= 4/4 + (((4 + 4)^4) - (4 + 4) \times 44) \\
&:= 5^5 + (5^5/5 - 5) \\
&:= 6/6 + (6 \times (666 - (6 \times 6 + 6))) \\
&:= (7 \times (7 \times 77 + 7)) - 77 \\
&:= 8 + (((8 \times (8 \times (8 \times 8 - 8) + 8)) + 88) + 8/8) \\
&:= 9 + (((9 + 9) \times (99 + 99 + 9)) + 9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3746 &:= (1 + 1) \times (1 + ((1 + 1 + 11) \times (1 + 11)^{1+1})) \\
&:= 2 + (2 \times (2 \times (2 \times (22^2 - 2^{2+2})))) \\
&:= 3 + (((33/3 + 3)^3) + 3 \times 333) \\
&:= (((4 + 4)/4 + 4) \times (4/4 + 4^4)) - 4 \\
&:= 5^5 + ((5^5 + 5)/5 - 5) \\
&:= (6 + 6)/6 + (6 \times (666 - (6 \times 6 + 6))) \\
&:= 7/7 + ((7 \times (7 \times 77 + 7)) - 77) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 - 8) + 8)) + ((8 + 8)/8)) + 88) \\
&:= 9 + (((9 + 9) \times (99 + 99 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3747 &:= 1 + ((1 + 1) \times (1 + ((1 + 1 + 11) \times (1 + 11)^{1+1}))) \\
&:= (2 \times ((2 \times 22)^2 - 2)) - (22/2)^2 \\
&:= 3 + ((33 + 3 + 3) \times (3 \times 33 - 3)) \\
&:= 4 + (((4 + 4)^4) - ((4 + 4) \times 44 + 4/4)) \\
&:= 5^5 + ((5^5 + 5 + 5)/5 - 5) \\
&:= 666/6 + (6 \times ((666 - 66) + 6)) \\
&:= (7 + 7)/7 + ((7 \times (7 \times 77 + 7)) - 77) \\
&:= 88 + ((8 \times (8 \times (8 \times 8 - 8) + 8)) + (88/8)) \\
&:= 9 + (((9 + 9) \times (99 + 99 + 9)) + (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3748 &:= (1+1) \times ((1+1) \times ((1+1)^{11} - 1111)) \\
&:= (2 \times (2 \times 22 + 2)^2) - 22^2 \\
&:= 3^3 + (((3/3 + 3)^3) - 3)^{3-3/3} \\
&:= 4 + (((4+4)^4) - (4+4) \times 44) \\
&:= 5^5 + (5^5 - 5 - 5)/5 \\
&:= 6 + (((6+6)/6)^{6+6}) + (6 \times (6 - 66)) + 6 \\
&:= 7 \times 7 \times 77 - (77/7 + 7 + 7) \\
&:= 8 + ((8888 / ((8+8)/8)) - 8 \times 88) \\
&:= 9 + (((9 \times 9 - (99/9 + 9))^{(9+9)/9}) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3749 &:= 1 + ((1+1) \times ((1+1) \times ((1+1)^{11} - 1111))) \\
&:= (2 \times (2 \times 22)^2) - ((22/2)^2 + 2) \\
&:= (3 \times (33/3)^3) - ((3^{3+3} + 3)/3) \\
&:= 4 + (((4+4)^4) - (4+4) \times 44) + 4/4 \\
&:= 5^5 + (5^5 - 5)/5 \\
&:= 6 + ((6 \times (666 - (6 \times 6 + 6))) - 6/6) \\
&:= 7 + ((7 \times (7 \times 77 - 7) + (77/7)) + 7) \\
&:= 88 + ((8 - 8/8) \times (8 \times 8 \times 8 + 88/8)) \\
&:= (9 \times (9 + 9) + 9/9) \times (99 + 99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3750 &:= (11 - 1) \times (1 + (11 \times (1 + 11 \times (1 + 1 + 1)))) \\
&:= 222 + (2 \times (2 \times 22 - 2)^2) \\
&:= 3 \times ((33/3)^3 - 3 \times 3^3) \\
&:= ((4+4)/4 + 4) \times (4/4 + 4)^4 \\
&:= 5^5 + 5^5/5 \\
&:= 6 + (6 \times (666 - (6 \times 6 + 6))) \\
&:= (7/7 + 7 \times 7) \times (77 - (7 + 7)/7) \\
&:= (8 - (8 + 8)/8) \times ((88 \times (8 - 8/8) + 8/8) + 8) \\
&:= 9 + ((99/9 + 9 + 9) \times ((999/9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3751 &:= 11 \times (11 + ((1+1+1) \times (111 - 1))) \\
&:= (2 \times (2 \times 22)^2) - (22/2)^2 \\
&:= 3/3 + (3 \times ((33/3)^3 - 3 \times 3^3)) \\
&:= 4/4 + (((4+4)/4 + 4) \times (4/4 + 4)^4) \\
&:= 5^5 + (5^5 + 5)/5 \\
&:= 6 + ((6 \times (666 - (6 \times 6 + 6))) + 6/6) \\
&:= 7 + ((7 \times 7 - 7/7) \times (7/7 + 77)) \\
&:= 888/8 + ((8 \times 8 - 8) \times (8/8 + 8 \times 8)) \\
&:= 99/9 \times (((9+9) \times (9+9) - 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3752 &:= 1 + (11 \times (11 + ((1+1+1) \times (111 - 1)))) \\
&:= 2 + ((2 \times (2 \times 22 - 2)^2) + 222) \\
&:= (3 \times (333 + 3)) + ((33/3 + 3)^3) \\
&:= 4 + (((4+4)^4) - (4+4) \times 44) + 4 \\
&:= 5^5 + (5^5 + 5 + 5)/5 \\
&:= (66 + 6/6) \times (((6 - 66)/6) + 66) \\
&:= 7 \times 7 \times 77 - (7 + 7 + 7) \\
&:= (8 \times 8 - 8) \times ((88/8 - 8) + 8 \times 8) \\
&:= (((9+9)/9)^9) + ((9+9) \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3753 &:= 1 + (1 + (11 \times (11 + ((1+1+1) \times (111 - 1)))))) \\
&:= 2 + ((2 \times (2 \times 22)^2) - (22/2)^2) \\
&:= 3 + (3 \times ((33/3)^3 - 3 \times 3^3)) \\
&:= ((4+4)^4) - (((4 - 4/4) + 4)^{4-4/4}) \\
&:= 5 + ((5^5 - 5 - 5)/5 + 5^5) \\
&:= (6 \times 666) - ((6 \times 6 / (6 + 6))^{6-6/6}) \\
&:= 7/7 + (7 \times 7 \times 77 - (7 + 7 + 7)) \\
&:= 8/8 + ((8 \times 8 - 8) \times ((88/8 - 8) + 8 \times 8)) \\
&:= 999 + (9 + 9) \times (9 \times (9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3754 &:= ((11 \times (1+1)^{11-1}) - (1+1)) / (1+1+1) \\
&:= 222 + (2 \times ((2 \times 22 - 2)^2 + 2)) \\
&:= 33 + (((3/3 + 3)^3) - 3)^{3-3/3} \\
&:= 4 + (((4+4)/4 + 4) \times (4/4 + 4)^4) \\
&:= 5 + ((5^5 - 5)/5 + 5^5) \\
&:= ((6+6)/6)^6 + (66 \times 66 - 666) \\
&:= 7 \times 7 \times 77 - ((77+7)/7 + 7) \\
&:= (((8/8 - 8) + 8 \times 8) \times (((8+8)/8) + 8 \times 8)) - 8 \\
&:= 9/9 + ((9+9) \times (9 \times (9+9) - 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3755 &:= (1 + (11 \times (1+1)^{11-1})) / (1+1+1) \\
&:= (2 \times ((2 \times 22)^2 + 2)) - (22/2)^2 \\
&:= 3 + (3 \times (333 + 3) + ((33/3 + 3)^3)) \\
&:= 44/4 + (((4+4)^4) - (4+4) \times 44) \\
&:= 5 + (5^5/5 + 5^5) \\
&:= 66/6 + (6 \times (666 - (6 \times 6 + 6))) \\
&:= 7 \times 7 \times 77 - (77/7 + 7) \\
&:= ((8 \times 8 - 88/8) \times ((8 \times 8 - 8/8) + 8)) - 8 \\
&:= 9 + (((9+9) \times (99 + 99 + 9)) + (99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3756 &:= 1 + ((1 + (11 \times (1+1)^{11-1})) / (1+1+1)) \\
&:= ((2^{2+2+2} - 2)^2) - 2 \times 2 \times 22 \\
&:= (33 \times (333/3 + 3)) - 3 - 3 \\
&:= 4 \times (4 \times 4^4 - ((4 - 4/4)^4 + 4)) \\
&:= 5 + ((5^5 + 5)/5 + 5^5) \\
&:= 6 + ((6 \times (666 - (6 \times 6 + 6))) + 6/6) \\
&:= ((7 - 77)/7) + (7 \times 7 \times 77 - 7) \\
&:= ((8 \times 8 - ((8+8)/8))^{(8+8)/8}) - 88 \\
&:= 999/9 + (9 \times ((9+9) \times (9+9) + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3757 &:= (1 + 1 + 11) \times (1 + ((1+1) \times (1+11)^{1+1})) \\
&:= (22/2 + 2) \times ((2^{2+2} + 2/2)^2) \\
&:= ((3/3 + 3)^{3+3}) - (333 + 3 + 3) \\
&:= 4 + (((4+4)^4) - (((4 - 4/4) + 4)^{4-4/4})) \\
&:= 5 + ((5^5 + 5 + 5)/5 + 5^5) \\
&:= 6 \times 6 + ((66 - 6 + 6/6)^{(6+6)/6}) \\
&:= 7 \times 7 \times 77 - (((7+7)/7 + 7) + 7) \\
&:= 8 + (((8 - 8/8) \times (8 \times 8 \times 8 + 88/8)) + 88) \\
&:= ((9 - 9/9) + 9) \times ((999 + 99)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3758 &:= (1+1) \times ((1+1)^{11} - (1+1+11)^{1+1}) \\
&:= 2 \times (2^{22/2} - ((22/2 + 2)^2)) \\
&:= (33 \times (333/3 + 3)) - (3/3 + 3) \\
&:= 4 + (((4+4)/4 + 4) \times (4/4 + 4)^4) + 4 \\
&:= 5 + (((5^5 - 5 - 5)/5 + 5^5) + 5) \\
&:= 6 + ((66 + 6/6) \times (((6 - 66)/6) + 66)) \\
&:= 7 \times 7 \times 77 - (7/7 + 7 + 7) \\
&:= (888 - 8)/8 + (8 \times (8 \times (8 \times 8 - 8) + 8)) \\
&:= 9 + ((9 \times (9 + 9) + 9/9) \times (99 + 99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3759 &:= (1 + 1 + 1) \times ((11 \times (1 + 1 + 1 + 111)) - 1) \\
&:= (2 \times (2 \times 22)^2) - (222/2 + 2) \\
&:= (33 \times (333/3 + 3)) - 3 \\
&:= ((4+4)^4) - ((4 - 4/4)^4 + 4^4) \\
&:= 5 + (((5^5 - 5)/5 + 5^5) + 5) \\
&:= ((6 \times ((6 \times (6 \times 6 \times 6 - 6)) - 6)) - 6) / ((6+6)/6) \\
&:= 7 \times 7 \times 77 - (7 + 7) \\
&:= 888/8 + (8 \times (8 \times (8 \times 8 - 8) + 8)) \\
&:= ((99 + 9)/9 + 9) \times ((9 \times 9 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3760 &:= ((1+1)^{1+11}) - ((1+1+1) \times (1+111)) \\
&:= (22 \times (((22/2 + 2)^2) + 2)) - 2 \\
&:= ((3/3 + 3)^{3+3}) - (333 + 3) \\
&:= 4 \times ((4 \times (4^4 - (4 \times 4 + 4))) - 4) \\
&:= 5 + ((5^5/5 + 5^5) + 5) \\
&:= 66 + (((6+6)/6)^{6+6}) - (6 \times 66 + 6) \\
&:= 7/7 + (7 \times 7 \times 77 - (7 + 7)) \\
&:= 88 + (8 \times 8 \times (8 \times 8 - 8) + 88) \\
&:= ((9+9)/9) \times (((9+9) \times 99 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3761 &:= (11 \times ((1+1+1) \times (1+1+1+111))) - 1 \\
&:= (2 \times (2 \times 22)^2) - 222/2 \\
&:= (33 \times (333/3 + 3)) - 3/3 \\
&:= 4/4 + (4 \times ((4 \times (4^4 - (4 \times 4 + 4))) - 4)) \\
&:= 5^5 + ((55 + 5^5)/5) \\
&:= 6 + ((6 \times (666 - (6 \times 6 + 6))) + (66/6)) \\
&:= 7 \times 7 \times 77 - (77 + 7)/7 \\
&:= 8/8 + ((8 \times 8 \times (8 \times 8 - 8) + 88) + 88) \\
&:= (99 \times ((99/9 + 9 + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3762 &:= 11 \times ((1+1+1) \times (1+1+1+111)) \\
&:= 22 \times (((22/2 + 2)^2) + 2) \\
&:= 33 \times (333/3 + 3) \\
&:= 4 + (((4+4)/4 + 4) \times (4/4 + 4)^4) + 4 + 4 \\
&:= 5^5 + ((55 + 5^5 + 5)/5) \\
&:= 66 \times (((6 - 66) + 6)/6) + 66 \\
&:= 7 \times 7 \times 77 - 77/7 \\
&:= ((8/8 - 8) + 8 \times 8) \times (((8+8)/8) + 8 \times 8) \\
&:= 99 \times ((99/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3763 &:= ((1+1)^{1+11}) - (1+1+1) \times 111 \\
&:= 2 + ((2 \times (2 \times 22)^2) - 222/2) \\
&:= ((3/3+3)^{3+3}) - 333 \\
&:= 4 + (((4+4)^4) - ((4-4/4)^4 + 4^4)) \\
&:= 5^5 + (((55+5^5+5)+5)/5) \\
&:= (6 \times (666 - 6 \times 6)) - (66/6+6) \\
&:= ((7-77)/7) + 7 \times 7 \times 77 \\
&:= (8 \times 8 - 88/8) \times ((8 \times 8 - 8/8) + 8) \\
&:= 9/9 + (99 \times ((99/9+9+9)+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3764 &:= 1 + (((1+1)^{1+11}) - (1+1+1) \times 111) \\
&:= 2 + (22 \times (((22/2+2)^2) + 2)) \\
&:= 3 + ((33 \times (333/3+3)) - 3/3) \\
&:= 4 + (4 \times ((4 \times (4^4 - (4 \times 4 + 4))) - 4)) \\
&:= 5 + (((5^5 - 5)/5 + 5^5) + 5) + 5 \\
&:= ((6/6 - 66) \times (6 - ((6+6)/6)^6)) - 6 \\
&:= 7 \times 7 \times 77 - ((7+7)/7 + 7) \\
&:= 8 + (((8 \times 8 - ((8+8)/8))^{(8+8)/8}) - 88) \\
&:= (9+9)/9 + (99 \times ((99/9+9+9)+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3765 &:= (1+1+1) \times (1 + (11 \times (1+1+1+111))) \\
&:= (2 \times ((2 \times 22)^2 + 2)) - 222/2 \\
&:= 3 + (33 \times (333/3+3)) \\
&:= (44/4+4) \times (4^4 - 4/4 - 4) \\
&:= 5 + (((5^5/5+5^5)+5)+5) \\
&:= (6 \times (66+6)) + 6666 \times 6/(6+6) \\
&:= 7 \times 7 \times 77 - (7/7+7) \\
&:= (8 \times (((8 \times (8 \times 8 - 8) + 8) + 8) + 8)) - 88/8 \\
&:= 9 + ((9 \times ((9+9) \times (9+9) + 9 \times 9)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3766 &:= ((1+1)^{1+11}) - ((1+1+1) \times (111-1)) \\
&:= 2 + ((22 \times (((22/2+2)^2) + 2)) + 2) \\
&:= 3 + (((3/3+3)^{3+3}) - 333) \\
&:= 4 \times 4 + (((4+4)/4+4) \times (4/4+4)^4) \\
&:= 5 + (((55+5^5)/5) + 5^5) \\
&:= 66 + (((6+6)/6)^{6+6}) - 6 \times 66 \\
&:= 7 \times 7 \times 77 - 7 \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8) + 8)) + (888 - 8)/8) \\
&:= 9 \times 9 + ((99/9) \times ((9+9) \times (9+9) + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3767 &:= 1 + (((1+1)^{1+11}) - ((1+1+1) \times (111-1))) \\
&:= 2 + ((2 \times ((2 \times 22)^2 + 2)) - 222/2) \\
&:= (33/3 \times ((3/3+3+3)^3)) - 3 - 3 \\
&:= 4 + (((4+4)^4) - ((4-4/4)^4 + 4^4)) + 4 \\
&:= 5 + (((55+5^5+5)/5) + 5^5) \\
&:= (6 \times (666 - 6 \times 6)) - (6/6+6+6) \\
&:= 7/7 + (7 \times 7 \times 77 - 7) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 - 8) + 8)) + 888/8) \\
&:= (9 \times (((9+9)/9)^9) - 9 \times 9) - ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3768 &:= (1+1) \times ((1+11) \times (1 + ((1+11) \times (1+1+11)))) \\
&:= 2 \times (2 \times ((2 \times (22^2 - 2)) - 22)) \\
&:= 3 + ((33 \times (333/3+3)) + 3) \\
&:= ((4+4)^4) - ((4 \times (4-4/4)^4) + 4) \\
&:= (5/5+5) \times ((5^5 - 5 - 5)/5 + 5) \\
&:= (6 \times (666 - 6 \times 6)) - 6 - 6 \\
&:= (7+7)/7 + (7 \times 7 \times 77 - 7) \\
&:= 8888 + (8 \times (8 \times (8 - 88))) \\
&:= (99+9)/9 \times ((9+9) \times (9+9) - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3769 &:= 1111 + (1+1) \times (11^{1+1+1} - 1 - 1) \\
&:= 2/2 + (2 \times (2 \times ((2 \times (22^2 - 2)) - 22))) \\
&:= 3 + (((3/3+3)^{3+3}) - 333) + 3 \\
&:= 4 + ((44/4+4) \times (4^4 - 4/4 - 4)) \\
&:= 5 \times 5 + (((5^5 - 5)/5 - 5) + 5^5) \\
&:= (6 \times (666 - 6 \times 6)) - 66/6 \\
&:= 7 + (7 \times 7 \times 77 - (77/7)) \\
&:= 8/8 + ((8 \times (8 \times (8 - 88))) + 8888) \\
&:= ((9+9) \times (999/9+99)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3770 &:= (1+1) \times ((1+1+11) \times (1 + (1+11)^{1+1})) \\
&:= 2 + (2 \times (2 \times ((2 \times (22^2 - 2)) - 22))) \\
&:= (33/3 \times ((3/3+3+3)^3)) - 3 \\
&:= (4^4+4)/4 \times ((4^4 - 4 - 4)/4 - 4) \\
&:= 5 \times 5 + ((5^5/5 - 5) + 5^5) \\
&:= (6/6 - 66) \times (6 - ((6+6)/6)^6) \\
&:= 7 \times 7 \times 77 - (7+7+7)/7 \\
&:= (8/8+8 \times 8) \times (((8+8)/8) - 8) + 8 \times 8 \\
&:= 9 + ((99 \times ((99/9+9+9)+9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3771 &:= 111 + ((1+1+1) \times (11 \times 111 - 1)) \\
&:= (2/2+2)^2 \times (((22-2/2)^2) - 22) \\
&:= 3 \times ((33 \times (33/3+3^3)) + 3) \\
&:= ((4+4)^4) - (((4^4+4)/4+4^4) + 4) \\
&:= 5 + (((55+5^5)/5) + 5^5) + 5 \\
&:= 6/6 + ((6/6 - 66) \times (6 - ((6+6)/6)^6)) \\
&:= 7 \times 7 \times 77 - (7+7)/7 \\
&:= 8 + ((8 \times 8 - 88/8) \times ((8 \times 8 - 8/8) + 8)) \\
&:= 9 + (99 \times ((99/9+9+9)+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3772 &:= (111 \times (1+11 \times (1+1+1))) - 1 - 1 \\
&:= (222 \times (2^{2+2} + 2/2)) - 2 \\
&:= 3 \times 3 + (((3/3+3)^{3+3}) - 333) \\
&:= 4 \times (4 \times 4^4 - (4 - 4/4)^4) \\
&:= 5^5 + (((55+55) + 5^5)/5) \\
&:= (6 \times ((6-66) + 6)) + (((6+6)/6)^{6+6}) \\
&:= 7 \times 7 \times 77 - 7/7 \\
&:= ((8 \times ((888 - 8) + 8 \times 8)) - 8) / ((8+8)/8) \\
&:= 9 + ((99 \times ((99/9+9+9)+9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3773 &:= (111 \times (1+11 \times (1+1+1))) - 1 \\
&:= 22/2 \times ((22/2)^2 + 222) \\
&:= 33/3 \times ((3/3+3+3)^3) \\
&:= 4/4 + (4 \times (4 \times 4^4 - (4 - 4/4)^4)) \\
&:= 5 \times 5 + ((5^5 - 5 - 5)/5 + 5^5) \\
&:= (6 \times (666 - 6 \times 6)) - 6/6 - 6 \\
&:= 7 \times 7 \times 77 \\
&:= 88/8 \times ((8-8/8)^{88/8-8}) \\
&:= 99/9 + (99 \times ((99/9+9+9)+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3774 &:= 111 \times (1+11 \times (1+1+1)) \\
&:= 222 \times (2^{2+2} + 2/2) \\
&:= (3/3+33) \times 333/3 \\
&:= ((4+4)/4+4) \times ((4/4+4)^4 + 4) \\
&:= 5 \times 5 + ((5^5 - 5)/5 + 5^5) \\
&:= (6 \times (666 - 6 \times 6)) - 6 \\
&:= 7/7 + 7 \times 7 \times 77 \\
&:= ((8+8)/8) \times ((8/8+8+8) \times 888/8) \\
&:= ((9+9)/9) \times (((9-9/9)+9) \times 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3775 &:= 1 + (111 \times (1+11 \times (1+1+1))) \\
&:= 2/2 + (222 \times (2^{2+2} + 2/2)) \\
&:= 3/3 + ((3/3+33) \times 333/3) \\
&:= ((4+4)^4) - ((4^4+4)/4+4^4) \\
&:= 5 \times (5 \times 5 \times (5 \times 5 + 5) + 5) \\
&:= 6/6 + ((6 \times (666 - 6 \times 6)) - 6) \\
&:= (7+7)/7 + 7 \times 7 \times 77 \\
&:= (8 \times (((8 \times (8 \times 8 - 8) + 8) + 8) + 8)) - 8/8 \\
&:= 9999/9 + (99 \times (9+9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3776 &:= (1+1)^{11} + ((1+11)^{1+1+1}) \\
&:= 2 + (222 \times (2^{2+2} + 2/2)) \\
&:= 3 + (33/3 \times ((3/3+3+3)^3)) \\
&:= 4 \times (4 \times (4^4 - (4 \times 4 + 4))) \\
&:= 5 \times 5 + ((5^5 + 5)/5 + 5^5) \\
&:= ((6+6)/6)^6 \times (66 - 6/6 - 6) \\
&:= 7 \times 7 \times 77 + (7+7+7)/7 \\
&:= 8 \times (((8 \times (8 \times 8 - 8) + 8) + 8) + 8) \\
&:= 9 \times 9 \times 9 + (((9+9)/9)^{99/9}) + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3777 &:= 1 + ((1+1)^{11} + ((1+11)^{1+1+1})) \\
&:= 2 + ((222 \times (2^{2+2} + 2/2)) + 2/2) \\
&:= (3 \times (33/3)^3) - (3+3)^3 \\
&:= 4/4 + (4 \times (4 \times (4^4 - (4 \times 4 + 4)))) \\
&:= 5 \times 5 + ((5^5 + 5 + 5)/5 + 5^5) \\
&:= (6 \times (666 - 6 \times 6)) - 6 \times 6/(6+6) \\
&:= 77/7 + (7 \times 7 \times 77 - 7) \\
&:= 8/8 + (8 \times (((8 \times (8 \times 8 - 8) + 8) + 8) + 8)) \\
&:= ((99+9) \times ((9+9+9)+9)) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3778 &:= 1 + (1 + ((1 + 1)^{11} + ((1 + 11)^{1+1+1}))) \\
&:= 2 + ((222 \times (2^{2+2} + 2/2)) + 2) \\
&:= 3/3 + ((3 \times (33/3)^3) - (3 + 3)^3) \\
&:= 4 + (((4 + 4)/4 + 4) \times ((4/4 + 4)^4 + 4)) \\
&:= 5 + (((5^5 - 5 - 5)/5 + 5^5) + 5 \times 5) \\
&:= (6 \times (666 - 6 \times 6)) - (6 + 6)/6 \\
&:= 7 + (7 \times 7 \times 77 - ((7 + 7)/7)) \\
&:= 8 + ((8/8 + 8 \times 8) \times (((8 + 8)/8) - 8) + 8 \times 8) \\
&:= ((9 + 9)/9) \times ((9 \times 99 - 9/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3779 &:= 1 + (1 + (1 + ((1 + 1)^{11} + ((1 + 11)^{1+1+1})))) \\
&:= (((22 - 2)^{2/2+2} + 2)/2) - 222 \\
&:= 3 + ((33/3 \times ((3/3 + 3 + 3)^3) + 3) \\
&:= ((4^4 - 4) \times (44/4 + 4)) - 4/4 \\
&:= 5 + (((5^5 - 5)/5 + 5^5) + 5 \times 5) \\
&:= (6 \times (666 - 6 \times 6)) - 6/6 \\
&:= 7 + (7 \times 7 \times 77 - 7/7) \\
&:= 8 + (((8 \times 8 - 88/8) \times ((8 \times 8 - 8/8) + 8)) + 8) \\
&:= ((9 + 9) \times (999/9 + 99)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3780 &:= 111 + ((1 + 1 + 1) \times (1 + (1 + 11 \times 111))) \\
&:= 2 \times ((2 \times 22)^2 - ((2 \times 22) + 2)) \\
&:= 3 \times ((3 + 3) \times ((3 + 3)^3 - (3 + 3))) \\
&:= (4^4 - 4) \times (44/4 + 4) \\
&:= (5/5 + 5) \times (5^5/5 + 5) \\
&:= 6 \times (666 - 6 \times 6) \\
&:= 7 + 7 \times 7 \times 77 \\
&:= (8/8 - 8 \times 8) \times ((8/((8 + 8)/8)) - 8 \times 8) \\
&:= (9 + 9) \times (999/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3781 &:= 11^{1+1} + ((1 + 1 + 1) \times (11 \times 111 - 1)) \\
&:= 2/2 + (2 \times ((2 \times 22)^2 - ((2 \times 22) + 2))) \\
&:= 3/3 + (3 \times ((3 + 3) \times ((3 + 3)^3 - (3 + 3)))) \\
&:= 4/4 + ((4^4 - 4) \times (44/4 + 4)) \\
&:= 5 + (((5^5 + 5)/5 + 5^5) + 5 \times 5) \\
&:= 6/6 + (6 \times (666 - 6 \times 6)) \\
&:= 7 + (7 \times 7 \times 77 + 7/7) \\
&:= (88/8 + 8) \times (888/8 + 88) \\
&:= 9/9 + ((9 + 9) \times (999/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3782 &:= (1 + 11^{1+1}) \times (1 + ((11 - 1) \times (1 + 1 + 1))) \\
&:= (2 \times (2 \times (2 \times 22^2 - 22))) - 2 \\
&:= 3 \times 3 + (33/3 \times ((3/3 + 3 + 3)^3)) \\
&:= (4 + 4)/4 + ((4^4 - 4) \times (44/4 + 4)) \\
&:= 5^5 + (((5 + 5)/5)^5 + 5^5/5) \\
&:= (6 + 6)/6 + (6 \times (666 - 6 \times 6)) \\
&:= 7 + (7 \times 7 \times 77 + ((7 + 7)/7)) \\
&:= (8 \times 8 - ((8 + 8)/8)) \times ((8 \times 8 - 88/8) + 8) \\
&:= (9 + 9)/9 + ((9 + 9) \times (999/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3783 &:= (11 \times (11 + (1 + 1 + 1) \times 111)) - 1 \\
&:= (2 \times (2 \times (2 \times 22^2 - 22))) - 2/2 \\
&:= 3 + (3 \times ((3 + 3) \times ((3 + 3)^3 - (3 + 3)))) \\
&:= 4 + (((4^4 - 4) \times (44/4 + 4)) - 4/4) \\
&:= 5^5 + (((5^5 + 5)/5 + ((5 + 5)/5)^5) \\
&:= 666/6 + (6 \times 6 \times (6 \times 6 + 66)) \\
&:= 7 \times 7 \times 77 + (77 - 7)/7 \\
&:= 8 + ((8 \times ((8 \times (8 \times 8 - 8) + 8) + 8) + 8)) - 8/8 \\
&:= 99 \times (9 + 9 + 9) + ((9999 - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3784 &:= 11 \times (11 + (1 + 1 + 1) \times 111) \\
&:= 2 \times (2 \times (2 \times 22^2 - 22)) \\
&:= 33/3 \times (333 + 33/3) \\
&:= 4 + ((4^4 - 4) \times (44/4 + 4)) \\
&:= 5^5 + ((55 \times (55 + 5) - 5)/5) \\
&:= 6 + ((6 \times (666 - 6 \times 6)) - ((6 + 6)/6)) \\
&:= 77/7 + 7 \times 7 \times 77 \\
&:= 8 + (8 \times ((8 \times (8 \times 8 - 8) + 8) + 8) + 8)) \\
&:= 9999/9 + 99 \times (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3785 &:= 1 + (11 \times (11 + (1 + 1 + 1) \times 111)) \\
&:= 2/2 + (2 \times (2 \times (2 \times 22^2 - 22))) \\
&:= 3 + ((33/3 \times ((3/3 + 3 + 3)^3) + 3 \times 3) \\
&:= 4 + (((4^4 - 4) \times (44/4 + 4)) + 4/4) \\
&:= 5 + ((5/5 + 5) \times (5^5/5 + 5)) \\
&:= 6 + ((6 \times (666 - 6 \times 6)) - 6/6) \\
&:= 7 \times 7 \times 77 + (77 + 7)/7 \\
&:= 8 + ((8 \times ((8 \times (8 \times 8 - 8) + 8) + 8) + 8)) + 8/8 \\
&:= 99 \times (9 + 9 + 9) + (9999 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3786 &:= 1 + (1 + (11 \times (11 + (1 + 1 + 1) \times 111))) \\
&:= 2 + (2 \times (2 \times (2 \times 22^2 - 22))) \\
&:= (3 \times ((33/3)^3 + 3)) - (3 + 3)^3 \\
&:= ((44 \times (4 \times 44 - 4)) + 4)/((4 + 4)/4) \\
&:= (5/5 + 5) \times ((5^5 + 5)/5 + 5) \\
&:= 6 + (6 \times (666 - 6 \times 6)) \\
&:= 7 + ((7 \times 7 \times 77 - 7/7) + 7) \\
&:= (8 - (8 + 8)/8) \times (8 \times (88 - 8) - (8/8 + 8)) \\
&:= ((9 + 9)/9) \times ((9 + 9) \times 99 + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3787 &:= 11 + ((1 + 1)^{11} + ((1 + 11)^{1+1+1})) \\
&:= 2 + ((2 \times (2 \times (2 \times 22^2 - 22))) + 2/2) \\
&:= 3 + (33/3 \times (333 + 33/3)) \\
&:= 44/4 + (4 \times (4 \times (4^4 - (4 \times 4 + 4)))) \\
&:= 5 + (((5 + 5)/5)^5 + 5^5/5 + 5^5) \\
&:= 6 + ((6 \times (666 - 6 \times 6)) + 6/6) \\
&:= 7 + (7 \times 7 \times 77 + 7) \\
&:= 88/8 + (8 \times (((8 \times (8 \times 8 - 8) + 8) + 8) + 8)) \\
&:= (9 \times ((9 + 9) \times (9 + 9) + 99)) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3788 &:= 1 + (11 + ((1 + 1)^{11} + ((1 + 11)^{1+1+1}))) \\
&:= 2 \times ((2 \times (2 \times 22^2 - 22)) + 2) \\
&:= (3 \times (((3 + 3)^{3/3+3} - 33)) - 3/3) \\
&:= 4 + (((4^4 - 4) \times (44/4 + 4)) + 4) \\
&:= 5 + (((5^5 + 5)/5 + ((5 + 5)/5)^5) + 5^5) \\
&:= 6 + ((6 \times (666 - 6 \times 6)) + ((6 + 6)/6)) \\
&:= 7 + ((7 \times 7 \times 77 + 7/7) + 7) \\
&:= ((88 \times 88 + 8)/((8 + 8)/8)) - 88 \\
&:= 9 + (((9 + 9) \times (999/9 + 99)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3789 &:= 1 + (1 + (11 + ((1 + 1)^{11} + ((1 + 11)^{1+1+1})))) \\
&:= 2/2 + (2 \times ((2 \times (2 \times 22^2 - 22)) + 2)) \\
&:= 3 \times ((3 + 3)^{3/3+3} - 33) \\
&:= 4 + (((4^4 - 4) \times (44/4 + 4)) + 4/4 + 4) \\
&:= 5 + (((55 \times (55 + 5) - 5)/5) + 5^5) \\
&:= 6 + ((6 \times (666 - 6 \times 6)) + (6 \times 6/(6 + 6))) \\
&:= 7 + ((7 \times 7 \times 77 + ((7 + 7)/7)) + 7) \\
&:= 8 + ((88/8 + 8) \times (888/8 + 88)) \\
&:= 9 + ((9 + 9) \times (999/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3790 &:= (((1 + 1) \times 111)^{1+1} - 1)/(1 + 1 + 11) - 1 \\
&:= 2 + (2 \times ((2 \times (2 \times 22^2 - 22)) + 2)) \\
&:= 3^3 + (((3/3 + 3)^{3+3} - 333) \\
&:= 4 + (((44 \times (4 \times 44 - 4)) + 4)/((4 + 4)/4)) \\
&:= 5 + (((5/5 + 5) \times (5^5/5 + 5)) + 5) \\
&:= ((66 - 6)/6) + (6 \times (666 - 6 \times 6)) \\
&:= 7 + (7 \times 7 \times 77 + ((77 - 7)/7)) \\
&:= 8 + ((8 \times 8 - ((8 + 8)/8)) \times ((8 \times 8 - 88/8) + 8)) \\
&:= (9/9 + 9) \times (9 \times 99 - ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3791 &:= (((1 + 1) \times 111)^{1+1} - 1)/(1 + 1 + 11) \\
&:= (2^{2+2} + 2/2) \times (222 + 2/2) \\
&:= 3 + ((3 \times (((3 + 3)^{3/3+3} - 33)) - 3/3) \\
&:= 44/4 + ((4^4 - 4) \times (44/4 + 4)) \\
&:= 5 + ((5/5 + 5) \times ((5^5 + 5)/5 + 5)) \\
&:= 666 + ((6 - 6/6)^{6-6/6}) \\
&:= 7 + (7 \times 7 \times 77 + (77/7)) \\
&:= ((8 - (8 + 8)/8) \times (8 \times (88 - 8) - 8)) - 8/8 \\
&:= 99/9 + ((9 + 9) \times (999/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3792 &:= (((1 + 1) \times 111)^{1+1} - 1)/(1 + 1 + 11) + 1 \\
&:= 2 \times ((2 \times 22)^2 + (2 \times (2 - 22))) \\
&:= 3 + (3 \times (((3 + 3)^{3/3+3} - 33)) - 33) \\
&:= 4 \times ((4 \times (4^4 - (4 \times 4 + 4))) + 4) \\
&:= (5/5 + 5) \times ((5^5 + 5 + 5)/5 + 5) \\
&:= 6 + ((6 \times (666 - 6 \times 6)) + 6) \\
&:= 7 + (7 \times 7 \times 77 + (77 + 7)/7) \\
&:= (8 - (8 + 8)/8) \times (8 \times (88 - 8) - 8) \\
&:= (99 + 9)/9 \times (((9 + 9) \times (9 + 9) - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3793 &:= (11 \times (1 + (11 + (1 + 1 + 1) \times 111))) - 1 - 1 \\
&:= 2 + ((2^{2+2} + 2/2) \times (222 + 2/2)) \\
&:= 3 + ((3 \times ((3 + 3)^{3/3+3}) - 33) + 3/3) \\
&:= 4/4 + (4 \times ((4 \times (4^4 - (4 \times 4 + 4))) + 4)) \\
&:= 55 + (((5^5 - (55 + 5))/5) + 5^5) \\
&:= 6 + (((6 \times (666 - 6 \times 6)) + 6/6) + 6) \\
&:= 7 + (((7 \times 7 \times 77 - 7/7) + 7) + 7) \\
&:= 8/8 + ((8 - (8 + 8)/8) \times (8 \times (88 - 8) - 8)) \\
&:= 9 + (9999/9 + 99 \times (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3794 &:= (11 \times (1 + (11 + (1 + 1 + 1) \times 111))) - 1 \\
&:= 2 + (2 \times ((2 \times 22)^2 + (2 \times (2 - 22)))) \\
&:= (33 \times (((333 + 3)/3) + 3)) - 3/3 \\
&:= 44 + (((4 + 4)/4 + 4) \times (4/4 + 4^4)) \\
&:= 55 + (((5^5 - 55)/5) + 5^5) \\
&:= 6 + (((6 \times (666 - 6 \times 6)) + ((6 + 6)/6)) + 6) \\
&:= 7 + ((7 \times 7 \times 77 + 7) + 7) \\
&:= 8 + ((8 - (8 + 8)/8) \times (8 \times (88 - 8) - (8/8 + 8))) \\
&:= 9 + ((9999 + 9)/9 + 99 \times (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3795 &:= 11 \times (1 + (11 + (1 + 1 + 1) \times 111)) \\
&:= 22/2 + (2 \times (2 \times (2 \times 22^2 - 22))) \\
&:= 33 \times (((333 + 3)/3) + 3) \\
&:= ((4 + 4^4) - ((44 + 4^4) + 4/4)) \\
&:= 55 + ((5^5/5 - (5 + 5)) + 5^5) \\
&:= (6 - 6/6) \times (((6 \times 6/(6 + 6))^6 - 6) + 6 \times 6) \\
&:= 7 + (((7 \times 7 \times 77 + 7/7) + 7) + 7) \\
&:= 88/8 \times (((8 + 8) \times (8 + 8) + 8/8) + 88) \\
&:= (9 \times ((9 + 9) \times (9 + 9) + 99)) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3796 &:= 1 + (11 \times (1 + (11 + (1 + 1 + 1) \times 111))) \\
&:= 2 \times (((2 \times 22)^2 + (2 \times (2 - 22))) + 2) \\
&:= 3/3 + (33 \times (((333 + 3)/3) + 3)) \\
&:= ((4 + 4^4) - (44 + 4^4)) \\
&:= 5 + (((5/5 + 5) \times ((5^5 + 5)/5 + 5)) + 5) \\
&:= 6 + ((6 \times (666 - 6 \times 6)) + ((66 - 6)/6)) \\
&:= 7 + (((7 \times 7 \times 77 + ((7 + 7)/7)) + 7) + 7) \\
&:= 8 + (((88 \times 88 + 8)/(8 + 8)/8) - 88) \\
&:= (9 \times ((9 + 9) \times (9 + 9) + 99)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3797 &:= ((1 + 111) \times (1 + 11 \times (1 + 1 + 1))) - 11 \\
&:= 2 + ((2 \times (2 \times (2 \times 22^2 - 22))) + 22/2) \\
&:= 3 + ((33 \times (((333 + 3)/3) + 3)) - 3/3) \\
&:= 4/4 + (((4 + 4^4) - (44 + 4^4)) \\
&:= 5 + ((5/5 + 5) \times ((5^5 + 5 + 5)/5 + 5)) \\
&:= 6 + ((6 \times (666 - 6 \times 6)) + (66/6)) \\
&:= 7 + ((7 \times 7 \times 77 + ((77 - 7)/7)) + 7) \\
&:= (8 \times (88 \times 88/(8 + 8) - 8)) - 88/8 \\
&:= (9 \times ((9 + 9) \times (9 + 9) + 99)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3798 &:= 1 + (((1 + 111) \times (1 + 11 \times (1 + 1 + 1))) - 11) \\
&:= (2/2 + 2)^2 \times ((22 - 2)^2 + 22) \\
&:= 3 + (33 \times (((333 + 3)/3) + 3)) \\
&:= ((4 + 4^4) + ((4 + 4)/4 - (44 + 4^4))) \\
&:= 55 + (((5^5 - 5 - 5)/5 - 5) + 5^5) \\
&:= 6 + (((6 \times (666 - 6 \times 6)) + 6) + 6) \\
&:= 7 + ((7 \times 7 \times 77 + (77/7)) + 7) \\
&:= (8/8 + 8) \times (8 \times 8 \times 8 - ((8 + 8)/8 + 88)) \\
&:= 9 \times (((9 + 9)/9)^9 - 99) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3799 &:= 1111 + ((1 + 1) \times ((1 + 11) \times (1 + 111))) \\
&:= ((2^{2+2+2} - 2)^2) - (2 \times 22 + 2/2) \\
&:= ((3/3 + 3)^{3+3}) - 3 \times 3 \times 33 \\
&:= 4 + (((4 + 4^4) - ((44 + 4^4) + 4/4)) \\
&:= 5 \times 555 + (5 - 5/5)^5 \\
&:= 6 + (((6 \times (666 - 6 \times 6)) + 6/6) + 6) + 6) \\
&:= 7 + ((7 \times 7 \times 77 + (77 + 7)/7) + 7) \\
&:= 88 + ((8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) - 8/8) \\
&:= 9/9 + (9 \times (((9 + 9)/9)^9 - 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3800 &:= (11 - 1)^{1+1} \times (1 + (111/(1 + 1 + 1))) \\
&:= 2 \times (2 \times ((2 \times (22^2 + 2)) - 22)) \\
&:= 3^3 + (33/3 \times ((3/3 + 3 + 3)^3)) \\
&:= 4 + (((4 + 4^4) - (44 + 4^4)) \\
&:= 5 \times (5 \times 5 \times (5 \times 5 + 5) + 5) + 5) \\
&:= 66 \times 66 - (6666 + 6)/(6 + 6) \\
&:= (7/7 + 7 \times 7) \times (77 - 7/7) \\
&:= 88 + (8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) \\
&:= (9/9 + 99) \times ((99/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3801 &:= 1 + ((11 - 1)^{1+1} \times (1 + (111/(1 + 1 + 1)))) \\
&:= 2/2 + (2 \times (2 \times ((2 \times (22^2 + 2)) - 22))) \\
&:= 3 \times ((33/3)^3 - ((3/3 + 3)^3)) \\
&:= 4 + (((4 + 4^4) - (44 + 4^4)) + 4/4) \\
&:= 55 + (((5^5 + 5)/5 - 5) + 5^5) \\
&:= (6/6 + 6) \times (666/6 + (6 \times (66 + 6))) \\
&:= 77 + 7 \times (7 \times 77 - 7) \\
&:= 8/8 + ((8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) + 88) \\
&:= ((99 + 9)/9 + 9) \times ((9/9 + 99) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3802 &:= 1 + (1 + ((11 - 1)^{1+1} \times (1 + (111/(1 + 1 + 1)))) \\
&:= 2 + (2 \times (2 \times ((2 \times (22^2 + 2)) - 22))) \\
&:= 3 + (((3/3 + 3)^{3+3}) - 3 \times 3 \times 33) \\
&:= 4 + (((4 + 4)/4 - (44 + 4^4)) + ((4 + 4^4))) \\
&:= 55 + (((5^5 + 5 + 5)/5 - 5) + 5^5) \\
&:= 66 + (((6 + 6)/6)^{6+6} + (6 \times (6 - 66))) \\
&:= 7/7 + (7 \times (7 \times 77 - 7) + 77) \\
&:= 88 + ((8 \times ((8 \times (8 \times 8 - 8) + 8) + 8)) + ((8 + 8)/8)) \\
&:= 9 \times 9 + ((9 \times 9 - (99/9 + 9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3803 &:= 111 + (((1 + 1 + 1) \times ((11 \times (1 + 111)) - 1)) - 1) \\
&:= 2 + ((2 \times (2 \times ((2 \times (22^2 + 2)) - 22))) + 2/2) \\
&:= (33/3 \times (((3/3 + 3 + 3)^3) + 3)) - 3 \\
&:= 4^4 + ((4 + 4) \times 444 - (4/4 + 4)) \\
&:= 55 + ((5^5 - 5 - 5)/5 + 5^5) \\
&:= 6 + (((6 \times (666 - 6 \times 6)) + (66/6)) + 6) \\
&:= 77 + (7 \times (7 \times 77 - 7) + ((7 + 7)/7)) \\
&:= 8 + (88/8 \times (((8 + 8) \times (8 + 8) + 8/8) + 88)) \\
&:= ((9 - 9 \times 9)/(9 + 9)) + (9 \times ((9 + 9) \times (9 + 9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3804 &:= (1 + 1) \times ((1 + 1)^{11} - (1 + (1 + (1 + 11)^{1+1}))) \\
&:= 2 \times ((2 \times ((2 \times (22^2 + 2)) - 22)) + 2) \\
&:= (3 \times (((3 + 3)^{3/3+3}) - 3^3)) - 3 \\
&:= 4^4 + ((4 + 4) \times 444 - 4) \\
&:= 55 + ((5^5 - 5)/5 + 5^5) \\
&:= (6 \times ((666 - 6 \times 6) + 6)) - 6 - 6 \\
&:= (7 \times (7 \times 77 + 7)) - (77/7 + 7) \\
&:= ((8 \times (888 + 8 \times 8)) - 8)/(8 + 8)/8) \\
&:= (9 \times ((9 + 9) \times (9 + 9) + 99)) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3805 &:= ((1 + 111) \times (1 + 11 \times (1 + 1 + 1))) - 1 - 1 - 1 \\
&:= (2 \times ((2 \times 22)^2 - 22)) - (22 + 2/2) \\
&:= ((3/3 + 33) \times ((333 + 3)/3)) - 3 \\
&:= 4/4 + (((4 + 4) \times 444 - 4) + 4^4) \\
&:= 55 + (5^5/5 + 5^5) \\
&:= (6 \times ((666 - 6 \times 6) + 6)) - 66/6 \\
&:= 7 + (((7 \times 7 \times 77 + (77/7)) + 7) + 7) \\
&:= ((8/8 + 8) \times (8 \times 8 \times 8 - 88)) - 88/8 \\
&:= (9 \times ((9 + 9) \times (9 + 9) + 99)) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3806 &:= (1 + 1) \times ((1 + 1)^{11} - (1 + (1 + 11)^{1+1})) \\
&:= 22 \times (((22/2 + 2)^2) + 2) + 2) \\
&:= 33/3 \times (((3/3 + 3 + 3)^3) + 3) \\
&:= 4^4 + ((4 + 4) \times 444 - (4 + 4)/4) \\
&:= 55 + ((5^5 + 5)/5 + 5^5) \\
&:= 6 \times 6 + ((6/6 - 66) \times (6 - ((6 + 6)/6)^6)) \\
&:= 77/7 \times (((7 + 7 + 7)/7) + 7 \times 7 \times 7) \\
&:= (8 \times (88 \times 88/(8 + 8) - 8)) - (8 + 8)/8 \\
&:= (9 \times ((9 + 9) \times (9 + 9) + 99)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3807 &:= ((1 + 111) \times (1 + 11 \times (1 + 1 + 1))) - 1 \\
&:= 2/2 + (22 \times (((22/2 + 2)^2) + 2) + 2) \\
&:= 3 \times (((3 + 3)^{3/3+3}) - 3^3) \\
&:= 4^4 + ((4 + 4) \times 444 - 4/4) \\
&:= 55 + ((5^5 + 5 + 5)/5 + 5^5) \\
&:= (6 \times (666 - (6 + 6))) - (666/6 + 6) \\
&:= 7 + ((7/7 + 7 \times 7) \times (77 - 7/7)) \\
&:= (8/8 + 8) \times (8 \times 8 \times 8 - (8/8 + 88)) \\
&:= 9 \times ((9 + 9) \times (9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3808 &:= (1 + 111) \times (1 + 11 \times (1 + 1 + 1)) \\
&:= 2 \times (2 \times (2 \times (22^2 - 2 \times (2 + 2)))) \\
&:= (3/3 + 33) \times ((333 + 3)/3) \\
&:= 4^4 + (4 + 4) \times 444 \\
&:= 5 + ((5^5 - 5 - 5)/5 + 5^5) + 55 \\
&:= (6 \times 6 - ((6 + 6)/6)) \times (666 + 6)/6 \\
&:= (7 \times (7 \times 77 + 7)) - (7 + 7) \\
&:= 8 \times (88 \times 88/(8 + 8) - 8) \\
&:= 9/9 + (9 \times ((9 + 9) \times (9 + 9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3809 &:= 1 + ((1 + 111) \times (1 + 11 \times (1 + 1 + 1))) \\
&:= (((2 \times 2 \times 22 - 2)^2) + 222)/2 \\
&:= 3 + (33/3 \times (((3/3 + 3 + 3)^3) + 3)) \\
&:= 4/4 + ((4 + 4) \times 444 + 4^4) \\
&:= 5 + (((5^5 - 5)/5 + 5^5) + 55) \\
&:= (6 \times ((666 - 6 \times 6) + 6)) - 6/6 - 6 \\
&:= 7/7 + ((7 \times (7 \times 77 + 7)) - (7 + 7)) \\
&:= 8/8 + (8 \times (88 \times 88/(8 + 8) - 8)) \\
&:= (9 + 9)/9 + (9 \times ((9 + 9) \times (9 + 9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3810 &:= 1 + (1 + ((1 + 111) \times (1 + 11 \times (1 + 1 + 1)))) \\
&:= 2 + (2 \times (2 \times (2 \times (22^2 - 2 \times (2 + 2)))) \\
&:= 3 + (3 \times (((3 + 3)^{3/3+3}) - 3^3)) \\
&:= (44/4 + 4) \times (4^4 - (4 + 4)/4) \\
&:= 5 + ((5^5/5 + 5^5) + 55) \\
&:= (6 \times ((666 - 6 \times 6) + 6)) - 6 \\
&:= (7 \times (7 \times 77 + 7)) - (77 + 7)/7 \\
&:= (8 + 8)/8 + (8 \times (88 \times 88/(8 + 8) - 8)) \\
&:= ((9 + 9 + 9)/9) + (9 \times ((9 + 9) \times (9 + 9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3811 &:= 1 + (1 + (1 + ((1 + 111) \times (1 + 11 \times (1 + 1 + 1)))) \\
&:= 2 + (((2 \times 2 \times 22 - 2)^2) + 222)/2 \\
&:= 3 + ((3/3 + 33) \times ((333 + 3)/3)) \\
&:= 4 + (((4 + 4) \times 444 - 4/4) + 4^4) \\
&:= 5 + (((5^5 + 5)/5 + 5^5) + 55) \\
&:= 6/6 + ((6 \times ((666 - 6 \times 6) + 6)) - 6) \\
&:= (7 \times (7 \times 77 + 7)) - 77/7 \\
&:= (888/8 - 8) \times 888/(8 + 8 + 8) \\
&:= 9 + (((9 \times 9 - (99/9 + 9))^{(9+9)/9}) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3812 &:= (1 + 1) \times (1 + (1 + ((1 + 11)^{11} - (1 + 11)^{1+1}))) \\
&:= 2 \times ((2 \times (2 \times (22^2 - 2))) - 22) \\
&:= 3 + ((33/3 \times (((3/3 + 3 + 3)^3) + 3)) + 3) \\
&:= 4 + ((4 + 4) \times 444 + 4^4) \\
&:= 5 + (((5^5 + 5 + 5)/5 + 5^5) + 55) \\
&:= 6 \times 6 + (((6 + 6)/6)^6 \times (66 - 6/6 - 6)) \\
&:= ((7 - 77)/7) + (7 \times (7 \times 77 + 7)) \\
&:= ((8 \times (888 + 8 \times 8)) + 8)/((8 + 8)/8) \\
&:= (9 + 9) \times 99 + (((9 + 9)/9)^{99/9} - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3813 &:= (1 + (1 + 11^{1+1})) \times (1 + ((11 - 1) \times (1 + 1 + 1))) \\
&:= 2/2 + ((2 \times 22 - 2)^2 + 2^{22/2}) \\
&:= 3 \times ((33/3)^3 - (3^3 + 33)) \\
&:= 4 + (((4 + 4) \times 444 + 4^4) + 4/4) \\
&:= 5^5 + ((5 \times 5 \times 5 \times 55 + 5)/(5 + 5)) \\
&:= (6 \times (666 - (6 + 6))) - 666/6 \\
&:= (7 \times (7 \times 77 + 7)) - ((7 + 7)/7 + 7) \\
&:= 8 + (((8/8 + 8) \times (8 \times 8 \times 8 - 88)) - (88/8)) \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9) + 99)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3814 &:= 111 + ((11111 - (1 + 1))/(1 + 1 + 1)) \\
&:= 2 + ((2 \times 22 - 2)^2 + 2^{22/2}) \\
&:= 3 + (((3/3 + 33) \times ((333 + 3)/3)) + 3) \\
&:= 4 + ((44/4 + 4) \times (4^4 - (4 + 4)/4)) \\
&:= 5 + (((5^5 - 5)/5 + 5^5) + 55) + 5 \\
&:= (((6 + 6)/6)^{6+6}) - (6 \times 6 \times 6 + 66) \\
&:= (7 \times (7 \times 77 + 7)) - (7/7 + 7) \\
&:= ((8/8 + 8) \times (8 \times 8 \times 8 - 88)) - (8 + 8)/8 \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9) + 99)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3815 &:= 111 + ((1 + 11111)/(1 + 1 + 1)) \\
&:= (2222/2) + (2 \times (22 + 2 + 2))^2 \\
&:= 3^{3+3} + (((3 \times (3 + 3)) + 3)^3 - 3)/3 \\
&:= 4444 - ((4/4 + 4)^4 + 4) \\
&:= 5 + (((5^5/5 + 5^5) + 55) + 5) \\
&:= (6 \times ((666 - 6 \times 6) + 6)) - 6/6 \\
&:= (7 \times (7 \times 77 + 7)) - 7 \\
&:= ((8/8 + 8) \times (8 \times 8 \times 8 - 88)) - 8/8 \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9) + 99)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3816 &:= (11 \times (11 + ((1 + 1 + 1) \times (1 + 11)))) - 1 \\
&:= 2 \times (((2 \times (2 \times (22^2 - 2))) - 22) + 2) \\
&:= (3 + 3) \times ((3 \times ((3 + 3)^3 - 3)) - 3) \\
&:= 4 + (((4 + 4) \times 444 + 4^4) + 4) \\
&:= (5/5 + 5) \times ((55 + 5^5)/5) \\
&:= 6 \times ((666 - 6 \times 6) + 6) \\
&:= 7/7 + ((7 \times (7 \times 77 + 7)) - 7) \\
&:= (8/8 + 8) \times (8 \times 8 \times 8 - 88) \\
&:= 9 + (9 \times ((9 + 9) \times (9 + 9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3817 &:= 11 \times (11 + ((1 + 1 + 1) \times (1 + 11))) \\
&:= (2 \times ((2 \times 22)^2 - 22)) - 22/2 \\
&:= 3/3 + ((3 + 3) \times ((3 \times (3 + 3)^3 - 3)) - 3) \\
&:= 44/4 \times ((4 + 4) \times 44 - (4/4 + 4)) \\
&:= 55 + (((55 + 5^5 + 5)/5) + 5^5) \\
&:= 6/6 + (6 \times ((666 - 6 \times 6) + 6)) \\
&:= (7 + 7)/7 + ((7 \times (7 \times 77 + 7)) - 7) \\
&:= 8/8 + ((8/8 + 8) \times (8 \times 8 \times 8 - 88)) \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9) + 99)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3818 &:= 1 + (11 \times (11 + ((1 + 1 + 1) \times (1 + 11)))) \\
&:= ((2 \times 22) + 2) \times ((2/2 + 2)^{2+2} + 2) \\
&:= 3 + (((((3 \times (3 + 3)) + 3)^3) - 3)/3) + 3^{3+3} \\
&:= ((4 + 4)^4) - ((44/((4 + 4)/4)) + 4^4) \\
&:= 5 + (((5 \times 5 \times 5 \times 55 + 5)/(5 + 5)) + 5^5) \\
&:= (6 + 6)/6 + (6 \times ((666 - 6 \times 6) + 6)) \\
&:= 7 + ((7 \times (7 \times 77 + 7)) - (77/7)) \\
&:= (8 + 8)/8 + ((8/8 + 8) \times (8 \times 8 \times 8 - 88)) \\
&:= 99/9 + (9 \times ((9 + 9) \times (9 + 9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3819 &:= 11 + ((1 + 111) \times (1 + 11 \times (1 + 1 + 1))) \\
&:= 2 + ((2 \times ((2 \times 22)^2 - 22)) - 22/2) \\
&:= 3 + ((3 + 3) \times ((3 \times (3 + 3)^3 - 3) - 3)) \\
&:= 4444 - (4/4 + 4)^4 \\
&:= (5 - 5/5)^5 + ((5 \times (555 + 5)) - 5) \\
&:= (6 \times 666) - (666/6 + 66) \\
&:= (7 \times (7 \times 77 + 7)) - (7 + 7 + 7)/7 \\
&:= 88/8 + (8 \times (88 \times 88/(8 + 8) - 8)) \\
&:= (99 + 9)/9 + (9 \times ((9 + 9) \times (9 + 9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3820 &:= 1 + (11 + ((1 + 111) \times (1 + 11 \times (1 + 1 + 1)))) \\
&:= 2 \times ((2 \times 22)^2 - (22 + 2 + 2)) \\
&:= 3 + (((3 + 3) \times ((3 \times (3 + 3)^3 - 3)) - 3) + 3/3) \\
&:= 4^4 + (44 \times (4 - 4/4)^4) \\
&:= 5^5 + (5 \times 5 \times (5 \times 5 + 5) - 55) \\
&:= 6 + (((6 + 6)/6)^{6+6}) - (6 \times 6 \times 6 + 66) \\
&:= (7 \times (7 \times 77 + 7)) - (7 + 7)/7 \\
&:= ((88 - 8/8) \times (88/((8 + 8)/8))) - 8 \\
&:= 99 + ((9 \times 9 - (99/9 + 9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3821 &:= ((1 + 1)^{1+1+1}) - (11 \times (1 + ((1 + 1) \times (1 + 11)))) \\
&:= ((2^{2+2+2} - 2)^2) - (22 + 2/2) \\
&:= (((33/3 + 3) + 3)^3) - (33 \times 33 + 3) \\
&:= ((44/4 + 4) \times (4^4 - 4/4)) - 4 \\
&:= 5 + ((5/5 + 5) \times ((55 + 5^5)/5)) \\
&:= 6 + ((6 \times ((666 - 6 \times 6) + 6)) - 6/6) \\
&:= (7 \times (7 \times 77 + 7)) - 7/7 \\
&:= (88 - 8) \times (8 \times 8 - 8 - 8) - (88/8 + 8) \\
&:= (9 + 9) \times 99 + (((9 + 9)/9)^{99/9} - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3822 &:= 1 + (((1 + 1)^{1+1+1}) - (11 \times (1 + ((1 + 1) \times (1 + 11)))) \\
&:= ((2^{2+2+2} - 2)^2) - 22 \\
&:= (3 + 3) \times (3 \times (3 + 3)^3 - 33/3) \\
&:= ((4 + 4)^4) - (((4 + 4)/4 + 4^4) + 4 \times 4) \\
&:= (5/5 + 5) \times ((55 + 5^5 + 5)/5) \\
&:= 6 + (6 \times ((666 - 6 \times 6) + 6)) \\
&:= 7 \times (7 \times 77 + 7) \\
&:= 8 + (((8/8 + 8) \times (8 \times 8 \times 8 - 88)) - ((8 + 8)/8)) \\
&:= (99 - 9/9) \times (((99 + 9)/9 + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3823 &:= 1111 + ((1+1) \times ((1+11) \times (1+1+111))) \\
&:= 2/2 + (((2^{2+2+2} - 2)^2) - 22) \\
&:= (3 \times ((3+3) \times ((3+3)^3 - 3))) - 33/3 \\
&:= 4 + (4444 - (4/4 + 4)^4) \\
&:= 55 + ((5/5 + 5) \times ((5^5 - 5 - 5)/5 + 5)) \\
&:= 6 + ((6 \times ((666 - 6 \times 6) + 6)) + 6/6) \\
&:= 7/7 + (7 \times (7 \times 77 + 7)) \\
&:= 8 + (((8/8 + 8) \times (8 \times 8 \times 8 - 88)) - 8/8) \\
&:= 9 + (((9 \times ((9+9) \times (9+9) + 99)) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3824 &:= (1+1)^{11} + (111 \times (1+1)^{1+1+1+1}) \\
&:= 2 \times ((2 \times 22)^2 - (22 + 2)) \\
&:= (((33/3 + 3) + 3)^3) - 33 \times 33 \\
&:= 4 \times ((4 \times (4^4 - 4 \times 4)) - 4) \\
&:= (5 - 5/5)^5 + (5 \times (555 + 5)) \\
&:= (6 \times (6 \times 6 \times (6 + 6 + 6))) - ((6 + 6)/6)^6 \\
&:= (7 + 7)/7 + (7 \times (7 \times 77 + 7)) \\
&:= 8 + ((8/8 + 8) \times (8 \times 8 \times 8 - 88)) \\
&:= 9 + (((9 \times ((9+9) \times (9+9) + 99)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3825 &:= 11^{1+1} + ((1 + 11111)/(1 + 1 + 1)) \\
&:= 2/2 + (2 \times ((2 \times 22)^2 - (22 + 2))) \\
&:= 3 \times (((3+3) \times ((3+3)^3 - 3)) - 3) \\
&:= (44/4 + 4) \times (4^4 - 4/4) \\
&:= (5 + 5 + 5) \times (5 \times 5 \times (5 + 5) + 5) \\
&:= (6 - 6/6) \times (((6 \times 6/(6 + 6))^6) + 6 \times 6) \\
&:= (7 + 7 + 7)/7 + (7 \times (7 \times 77 + 7)) \\
&:= (8/8 + 8) \times ((8 \times 8 \times 8 - 88) + 8/8) \\
&:= 9 + ((9 \times ((9+9) \times (9+9) + 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3826 &:= 1 + (11^{1+1} + ((1 + 11111)/(1 + 1 + 1))) \\
&:= (2 \times ((2 \times 22)^2 - 22)) - 2 \\
&:= 3/3 + (3 \times (((3+3) \times ((3+3)^3 - 3)) - 3)) \\
&:= 4/4 + ((44/4 + 4) \times (4^4 - 4/4)) \\
&:= 5 + (((5/5 + 5) \times ((55 + 5^5)/5)) + 5) \\
&:= (66 \times (((6 + 6)/6)^6 - 6)) - (6 + 6)/6 \\
&:= 77/7 + ((7 \times (7 \times 77 + 7)) - 7) \\
&:= ((8 - (8 + 8)/8) \times (8 \times (88 - 8) - 8/8)) - 8 \\
&:= 9 + (((9 \times ((9+9) \times (9+9) + 99)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3827 &:= (11 \times (1 + (11 + ((1 + 1 + 1) \times (1 + 111)))) - 1 \\
&:= (2 \times ((2 \times 22)^2 - 22)) - 2/2 \\
&:= 3 + (((33/3 + 3) + 3)^3) - 33 \times 33 \\
&:= 4 + (4444 - (4/4 + 4)^4) + 4 \\
&:= 5 + ((5/5 + 5) \times ((55 + 5^5 + 5)/5)) \\
&:= (66 \times (((6 + 6)/6)^6 - 6)) - 6/6 \\
&:= 7 + ((7 \times (7 \times 77 + 7)) - ((7 + 7)/7)) \\
&:= 88/8 + ((8/8 + 8) \times (8 \times 8 \times 8 - 88)) \\
&:= 9 + ((9 \times ((9+9) \times (9+9) + 99)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3828 &:= 11 \times (1 + (11 + ((1 + 1 + 1) \times (1 + 111)))) \\
&:= 2 \times ((2 \times 22)^2 - 22) \\
&:= 3 + (3 \times (((3+3) \times ((3+3)^3 - 3)) - 3)) \\
&:= 4 + (4 \times ((4 \times (4^4 - 4 \times 4)) - 4)) \\
&:= (5/5 + 5) \times (((55 + 5^5 + 5) + 5)/5) \\
&:= 66 \times (((6 + 6)/6)^6 - 6) \\
&:= 7 + ((7 \times (7 \times 77 + 7)) - 7/7) \\
&:= (88 - 8/8) \times (88/((8 + 8)/8)) \\
&:= 999/9 + (9 \times (((9 + 9)/9)^9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3829 &:= 1 + (11 \times (1 + (11 + ((1 + 1 + 1) \times (1 + 111)))) \\
&:= 2/2 + (2 \times ((2 \times 22)^2 - 22)) \\
&:= 3 + ((3 \times (((3+3) \times ((3+3)^3 - 3)) - 3)) + 3/3) \\
&:= ((4 + 4)^4) - (44/4 + 4^4) \\
&:= 5 + ((5 \times (555 + 5)) + (5 - 5/5)^5) \\
&:= 6/6 + (66 \times (((6 + 6)/6)^6 - 6)) \\
&:= 7 + (7 \times (7 \times 77 + 7)) \\
&:= (88 - 8) \times (8 \times 8 - 8 - 8) - 88/8 \\
&:= 9 + (((9 \times 9 - (99/9 + 9))^{(9+9)/9}) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3830 &:= (1 + 1) \times ((1 + 1)^{11} - (1 + (11 \times (1 + 11)))) \\
&:= 2 + (2 \times ((2 \times 22)^2 - 22)) \\
&:= 33 \times 33 + (((33/3 + 3)^3) - 3) \\
&:= ((4 + 4)^4) + ((4 - 44)/4 - 4^4) \\
&:= 5 + ((5 + 5 + 5) \times (5 \times 5 \times (5 + 5) + 5)) \\
&:= (6 + 6)/6 + (66 \times (((6 + 6)/6)^6 - 6)) \\
&:= 7 + ((7 \times (7 \times 77 + 7)) + 7/7) \\
&:= (8 - 88)/8 + (88 - 8) \times (8 \times 8 - 8 - 8) \\
&:= (9 + 9) \times 99 + (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3831 &:= ((1 + 1) \times ((1 + 1)^{11} - (11 \times (1 + 11)))) - 1 \\
&:= 2 + ((2 \times ((2 \times 22)^2 - 22)) + 2/2) \\
&:= (3 \times ((3 + 3) \times ((3 + 3)^3 - 3))) - 3 \\
&:= ((4 + 4)^4) - (((4/4 + 4^4) + 4) + 4) \\
&:= 5 \times 5 + (((5^5 + 5)/5 + 5^5) + 55) \\
&:= 6 + ((6 - 6/6) \times (((6 \times 6/(6 + 6))^6) + 6 \times 6)) \\
&:= 7 + ((7 \times (7 \times 77 + 7)) + ((7 + 7)/7)) \\
&:= (88 - 8) \times (8 \times 8 - 8 - 8) - (8/8 + 8) \\
&:= ((99/9 + 9) \times (999/9 + 9 \times 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3832 &:= (1 + 1) \times ((1 + 1)^{11} - (11 \times (1 + 11))) \\
&:= 2 \times (((2 \times 22)^2 - 22) + 2) \\
&:= 3/3 + ((3 \times ((3 + 3) \times ((3 + 3)^3 - 3))) - 3) \\
&:= ((4 + 4)^4) - (4^4 + 4 + 4) \\
&:= 5 + (((5/5 + 5) \times ((55 + 5^5 + 5)/5)) + 5) \\
&:= 6 + ((66 \times (((6 + 6)/6)^6 - 6)) - ((6 + 6)/6)) \\
&:= ((77 - 7)/7) + (7 \times (7 \times 77 + 7)) \\
&:= (88 - 8) \times (8 \times 8 - 8 - 8) - 8 \\
&:= 999 + ((9 \times ((9 + 9) \times (9 + 9) - 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3833 &:= 1 + ((1 + 1) \times ((1 + 1)^{11} - (11 \times (1 + 11)))) \\
&:= ((2^{2+2+2} - 2)^2) - 22/2 \\
&:= 33 \times 33 + ((33/3 + 3)^3) \\
&:= 4 + (((4 + 4)^4) - (44/4 + 4^4)) \\
&:= ((5/5 + 5)^5 / ((5 + 5)/5)) - 55 \\
&:= 6 + ((66 \times (((6 + 6)/6)^6 - 6)) - 6/6) \\
&:= 77/7 + (7 \times (7 \times 77 + 7)) \\
&:= 8/8 + ((88 - 8) \times (8 \times 8 - 8 - 8) - 8) \\
&:= 999 + ((9 \times ((9 + 9) \times (9 + 9) - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3834 &:= (1 + 1) \times (1 + ((1 + 1)^{11} - (11 \times (1 + 11)))) \\
&:= 2 + (2 \times (((2 \times 22)^2 - 22) + 2)) \\
&:= 3 \times ((3 + 3) \times ((3 + 3)^3 - 3)) \\
&:= ((4 + 4)^4) - (((4 + 4)/4 + 4^4) + 4) \\
&:= (5/5 + 5) \times (((5^5 - 5)/5 + 5) + 5) + 5 \\
&:= 6 + (66 \times (((6 + 6)/6)^6 - 6)) \\
&:= (77 + 7)/7 + (7 \times (7 \times 77 + 7)) \\
&:= (8 - (8 + 8)/8) \times (8 \times (88 - 8) - 8/8) \\
&:= 999 + (9 \times ((9 + 9) \times (9 + 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3835 &:= 1 + ((1 + 1) \times (1 + ((1 + 1)^{11} - (11 \times (1 + 11)))) \\
&:= 2 + (((2^{2+2+2} - 2)^2) - 22/2) \\
&:= 3/3 + (3 \times ((3 + 3) \times ((3 + 3)^3 - 3))) \\
&:= ((4 + 4)^4) - ((4/4 + 4^4) + 4) \\
&:= 55 + ((5/5 + 5) \times (5^5/5 + 5)) \\
&:= (6/6 - 66) \times ((6/6 - 66) + 6) \\
&:= 7 + (((7 \times (7 \times 77 + 7)) - 7/7) + 7) \\
&:= (8/8 + 8 \times 8) \times ((88/8 - (8 + 8)) + 8 \times 8) \\
&:= ((9 \times 9 - (9/9 + 9 + 9))^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3836 &:= (1 + 1) \times (1 + (1 + ((1 + 1)^{11} - (11 \times (1 + 11)))) \\
&:= 2 \times (((2 \times 22)^2 - 22) + 2) + 2 \\
&:= 3 + (((33/3 + 3)^3) + 33 \times 33) \\
&:= ((4 + 4)^4) - (4^4 + 4) \\
&:= 5^5 + ((555 + 5^5)/5 - 5 \times 5) \\
&:= 6 + ((66 \times (((6 + 6)/6)^6 - 6)) + ((6 + 6)/6)) \\
&:= 7 + ((7 \times (7 \times 77 + 7)) + 7) \\
&:= ((8 \times 8 - ((8 + 8)/8))^{(8+8)/8}) - 8 \\
&:= 9 + (((9 \times ((9 + 9) \times (9 + 9) + 99)) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3837 &:= 1 + ((1 + 1) \times (1 + (1 + ((1 + 1)^{11} - (11 \times (1 + 11)))) \\
&:= 2 + (((2^{2+2+2} - 2)^2) - 22/2) + 2 \\
&:= 3 + (3 \times ((3 + 3) \times ((3 + 3)^3 - 3))) \\
&:= 4/4 + (((4 + 4)^4) - (4^4 + 4)) \\
&:= 55 + (((5 + 5)/5)^5 + 5^5/5 + 5^5) \\
&:= (6 \times (666 - 6)) - ((666/6 + 6) + 6) \\
&:= 7 + (((7 \times (7 \times 77 + 7)) + 7/7) + 7) \\
&:= 8 + ((88 - 8) \times (8 \times 8 - 8 - 8) - (88/8)) \\
&:= 999/9 + ((9 + 9) \times (99 + 99 + 9))
\end{aligned}$$

- 3838 := $(1 + (11 - 1)^{1+1}) \times (1 + (111/(1 + 1 + 1)))$
:= $((2^{2+2+2} - 2)^2) - (2 + 2 + 2)$
:= $3 + ((3 \times ((3 + 3) \times ((3 + 3)^3 - 3))) + 3/3)$
:= $((4 + 4)^4) - ((4 + 4)/4 + 4^4)$
:= $5 + (((5/5 + 5)^5 / ((5 + 5)/5)) - 55)$
:= $((6 + 6)/6)^{6+6} - (6 \times (6 \times 6 + 6) + 6)$
:= $7 + (((7 \times (7 \times 77 + 7)) + ((7 + 7)/7)) + 7)$
:= $(88 - 8) \times (8 \times 8 - 8 - 8) - (8 + 8)/8$
:= $(9 + 9)/9 + 99 \times ((99/9 + 9 + 9) + 9)$
- 3839 := $11 \times (11 + ((1 + 1) \times (1 + 1 + 11)^{1+1}))$
:= $22/2 + (2 \times ((2 \times 22)^2 - 22))$
:= $33/3 \times (((3/3 + 3 + 3)^3) + 3) + 3$
:= $((4 + 4)^4) - (4/4 + 4^4)$
:= $5^5 + ((55 \times (55 + 5 + 5) - 5)/5)$
:= $((66 - 6) \times ((6 + 6)/6)^6) - 6/6$
:= $77 + (7 \times 7 \times 77 - (77/7))$
:= $(88 - 8) \times (8 \times 8 - 8 - 8) - 8/8$
:= $9 + (((9 + 9)/9)^{9/9}) + (9 + 9) \times 99$
- 3840 := $(11^{1+1} - 1) \times ((11 \times (1 + 1 + 1)) - 1)$
:= $2 \times (2 \times (2 \times (22^2 - (2 + 2))))$
:= $(3^3 + 33) \times ((3/3 + 3)^3)$
:= $((4 + 4)^4) - 4^4$
:= $((5 + 5)/5)^5 \times (5 \times 5 \times 5 - 5)$
:= $(66 - 6) \times ((6 + 6)/6)^6$
:= $7 + ((7 \times (7 \times 77 + 7)) + (77/7))$
:= $(88 - 8) \times (8 \times 8 - 8 - 8)$
:= $(99/9 + 9) \times (999/9 + 9 \times 9)$
- 3841 := $1 + ((11^{1+1} - 1) \times ((11 \times (1 + 1 + 1)) - 1))$
:= $((2^{2+2+2} - 2)^2) - 2/2 - 2$
:= $3/3 + ((3^3 + 33) \times ((3/3 + 3)^3))$
:= $4/4 + (((4 + 4)^4) - 4^4)$
:= $5 \times 5 + ((5/5 + 5) \times ((55 + 5^5)/5))$
:= $6/6 + ((66 - 6) \times ((6 + 6)/6)^6)$
:= $7 + ((7 \times (7 \times 77 + 7)) + (77 + 7)/7)$
:= $8/8 + (88 - 8) \times (8 \times 8 - 8 - 8)$
:= $((99/9) \times (((9 + 9)/9)^9) - 9 \times (9 + 9)) - 9$
- 3842 := $(1 + 1 + 111) \times (1 + 11 \times (1 + 1 + 1))$
:= $((2^{2+2+2} - 2)^2) - 2$
:= $3333 + (((3 - 3/3)^{3 \times 3}) - 3)$
:= $((4 + 4)^4) + ((4 + 4)/4 - 4^4)$
:= $5^5 + (((55 \times (55 + 5 + 5) + 5) + 5)/5)$
:= $(6 + 6)/6 + ((66 - 6) \times ((6 + 6)/6)^6)$
:= $77 + (7 \times 7 \times 77 - (7/7 + 7))$
:= $(8 + 8)/8 + (88 - 8) \times (8 \times 8 - 8 - 8)$
:= $9 + (((9 \times (9 + 9) \times (9 + 9) - 9)) - 9/9) + 999$
- 3843 := $((1 + ((1 + 11^{1+1})/(1 + 1)))^{1+1}) - 1$
:= $((2^{2+2+2} - 2)^2) - 2/2$
:= $3 \times (((3 + 3) \times ((3 + 3)^3 - 3)) + 3)$
:= $4 + (((4 + 4)^4) - (4/4 + 4^4))$
:= $((5 + 5)/5 + 5) \times (555 - (5/5 + 5))$
:= $(6 \times (666 - 6)) - (666/6 + 6)$
:= $77 + (7 \times 7 \times 77 - 7)$
:= $(8/8 - 8 \times 8) \times (88/8 - (8 \times 8 + 8))$
:= $9 + ((9 \times ((9 + 9) \times (9 + 9) - 9)) + 999)$
- 3844 := $(1 + ((1 + 11^{1+1})/(1 + 1)))^{1+1}$
:= $(2^{2+2+2} - 2)^2$
:= $3/3 + (3 \times (((3 + 3) \times ((3 + 3)^3 - 3)) + 3))$
:= $4 + (((4 + 4)^4) - 4^4)$
:= $((5 + 5)/5 + 55) + 5^{(5+5)/5}$
:= $((6 + 6)/6)^{6+6} - 6 \times (6 \times 6 + 6)$
:= $7/7 + ((7 \times 7 \times 77 - 7) + 77)$
:= $(8 \times 8 - ((8 + 8)/8))^{(8+8)/8}$
:= $(9 \times 9 - (9/9 + 9 + 9))^{(9+9)/9}$
- 3845 := $1 + ((1 + ((1 + 11^{1+1})/(1 + 1)))^{1+1})$
:= $2/2 + ((2^{2+2+2} - 2)^2)$
:= $3333 + ((3 - 3/3)^{3 \times 3})$
:= $4 + (((4 + 4)^4) - 4^4) + 4/4$
:= $(55 \times ((55 + 5 + 5) + 5)) - 5$
:= $6 + (((66 - 6) \times ((6 + 6)/6)^6) - 6/6)$
:= $77 + ((7 \times 7 \times 77 - 7) + ((7 + 7)/7))$
:= $8/8 + ((8 \times 8 - ((8 + 8)/8))^{(8+8)/8})$
:= $9/9 + ((9 \times 9 - (9/9 + 9 + 9))^{(9+9)/9})$
- 3846 := $1 + (1 + ((1 + ((1 + 11^{1+1})/(1 + 1)))^{1+1}))$
:= $2 + ((2^{2+2+2} - 2)^2)$
:= $3 + (3 \times (((3 + 3) \times ((3 + 3)^3 - 3)) + 3))$
:= $4 + (((4 + 4)^4) - 4^4) + (4 + 4)/4$
:= $(5/5 + 5) \times (((55 + 5^5)/5) + 5)$
:= $6 + ((66 - 6) \times ((6 + 6)/6)^6)$
:= $7 + ((7 \times 7 \times 77 - (77/7)) + 77)$
:= $(8 - (8 + 8)/8) \times (8 \times (88 - 8) + 8/8)$
:= $9 + (((9 + 9) \times (99 + 99 + 9)) + 999/9)$
- 3847 := $1 + (1 + (1 + ((1 + ((1 + 11^{1+1})/(1 + 1)))^{1+1})))$
:= $2 + (((2^{2+2+2} - 2)^2) + 2/2)$
:= $((3/3 + 3)^{3+3}) - ((3 + 3)^3 + 33)$
:= $4 + (((4 + 4)^4) - (4/4 + 4^4)) + 4$
:= $5 \times 5 + ((5/5 + 5) \times ((55 + 5^5) + 5)/5)$
:= $6 + (((66 - 6) \times ((6 + 6)/6)^6) + 6/6)$
:= $7 + (((7 \times (7 \times 77 + 7)) + (77/7)) + 7)$
:= $8 + ((88 - 8) \times (8 \times 8 - 8 - 8) - 8/8)$
:= $9 + (((9 + 9)/9 + 99) \times ((99/9 + 9 + 9) + 9))$
- 3848 := $(1 + 1) \times ((1 + 1)^{11} - (1 + (1 + (1 + 11^{1+1}))))$
:= $2 + (((2^{2+2+2} - 2)^2) + 2)$
:= $3 + (((3 - 3/3)^{3 \times 3}) + 3333)$
:= $4 + (((4 + 4)^4) - 4^4) + 4$
:= $(55 \times ((55 + 5 + 5) + 5)) - (5 + 5)/5$
:= $(6 \times 6 + 6/6) \times (((666 - 6)/6) - 6)$
:= $77 + (7 \times 7 \times 77 - ((7 + 7)/7))$
:= $8 + (88 - 8) \times (8 \times 8 - 8 - 8)$
:= $9 + (((9 + 9)/9)^{9/9}) + (9 + 9) \times 99 + 9$
- 3849 := $((111 - 1) \times (1 + (1 + 11 \times (1 + 1 + 1)))) - 1$
:= $(2 \times (2 \times 22)^2) - (22 + 2/2)$
:= $(3 \times ((33 \times (33 + 3 + 3)) - 3)) - 3$
:= $4 + (((4 + 4)^4) - 4^4) + 4/4 + 4$
:= $(55 \times ((55 + 5 + 5) + 5)) - 5/5$
:= $(6 \times (666 - 6)) - 666/6$
:= $77 + (7 \times 7 \times 77 - 7/7)$
:= $8 + ((88 - 8) \times (8 \times 8 - 8 - 8) + 8/8)$
:= $9 + ((99/9 + 9) \times (999/9 + 9 \times 9))$
- 3850 := $(111 - 1) \times (1 + (1 + 11 \times (1 + 1 + 1)))$
:= $(2 \times (2 \times 22)^2) - 22$
:= $((33 - 3/3) + 3) \times ((333 - 3)/3)$
:= $((4 + 4)^4) + ((44 - 4)/4 - 4^4)$
:= $55 \times ((55 + 5 + 5) + 5)$
:= $(6 \times 6 - 6/6) \times ((666 - 6)/6)$
:= $77 + 7 \times 7 \times 77$
:= $8 + ((88 - 8) \times (8 \times 8 - 8 - 8) + ((8 + 8)/8))$
:= $99/9 \times (((9 + 9)/9)^9) - 9 \times (9 + 9)$
- 3851 := $1 + ((111 - 1) \times (1 + (1 + 11 \times (1 + 1 + 1))))$
:= $2/2 + ((2 \times (2 \times 22)^2) - 22)$
:= $(3 \times ((33 \times (33 + 3 + 3)) - 3)) - 3/3$
:= $44/4 + (((4 + 4)^4) - 4^4)$
:= $5/5 + (55 \times ((55 + 5 + 5) + 5))$
:= $(6 \times ((6 \times 6 \times (6 + 6 + 6)) - 6)) - 6/6$
:= $7/7 + (7 \times 7 \times 77 + 77)$
:= $88/8 + (88 - 8) \times (8 \times 8 - 8 - 8)$
:= $((9 + 9 + 9) + 9) \times ((99 - 9/9) + 9) - 9/9$
- 3852 := $(1 + 1) \times ((1 + 1)^{11} - (1 + 11^{1+1}))$
:= $2 + ((2 \times (2 \times 22)^2) - 22)$
:= $3 \times ((33 \times (33 + 3 + 3)) - 3)$
:= $4 + (((4 + 4)^4) - 4^4) + 4 + 4$
:= $(5 + 5)/5 + (55 \times ((55 + 5 + 5) + 5))$
:= $6 \times ((6 \times 6 \times (6 + 6 + 6)) - 6)$
:= $77 + (7 \times 7 \times 77 + ((7 + 7)/7))$
:= $8 + ((8 \times 8 - ((8 + 8)/8))^{(8+8)/8})$
:= $((9 + 9 + 9) + 9) \times ((99 - 9/9) + 9)$

$$\begin{aligned}
\blacktriangleright 3853 &:= ((1+1) \times ((1+1)^{11} - 11^{1+1})) - 1 \\
&:= 2 + (((2 \times (2 \times 22)^2) - 22) + 2/2) \\
&:= (3 \times (3 \times 3 + 3)^3) - (33/3)^3 \\
&:= ((4+4)^4) - ((4-4/4)^{4+4/4}) \\
&:= 5 + ((55 \times ((55+5+5) + 5)) - ((5+5)/5)) \\
&:= 6/6 + (6 \times ((6 \times 6 \times (6+6+6)) - 6)) \\
&:= 77 + (7 \times 7 \times 77 + ((7+7+7)/7)) \\
&:= 8 + (((8 \times 8 - ((8+8)/8))^{(8+8)/8}) + 8/8) \\
&:= 9 + ((9 \times 9 - (9/9 + 9 + 9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3854 &:= (1+1) \times ((1+1)^{11} - 11^{1+1}) \\
&:= (2 \times ((2 \times 22)^2 + 2)) - 22 \\
&:= ((3 - 3^{3+3})/3) + ((3/3 + 3)^{3+3}) \\
&:= ((4+4)^4) - 44 \times 44/(4+4) \\
&:= 5^5 + ((5 - (5+5)/5)^{5/5+5}) \\
&:= (6+6)/6 + (6 \times ((6 \times 6 \times (6+6+6)) - 6)) \\
&:= 77 + ((7 \times 7 \times 77 - 7) + (77/7)) \\
&:= 8 + ((8 - (8+8)/8) \times (8 \times (88 - 8) + 8/8)) \\
&:= (9/9 + 9 \times 9) \times (((99/9 + 9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3855 &:= 1 + ((1+1) \times ((1+1)^{11} - 11^{1+1})) \\
&:= 22/2 + ((2^{2+2+2} - 2)^2) \\
&:= (3 \times ((3+3)^{3/3+3})) - 33 \\
&:= (44/4 + 4) \times (4/4 + 4^4) \\
&:= 5 + (55 \times ((55+5+5) + 5)) \\
&:= ((6^{6-6/6}) - 66)/(6+6)/6 \\
&:= 7 + ((7 \times 7 \times 77 - ((7+7)/7)) + 77) \\
&:= (8 - 8/8 + 8) \times ((8+8) \times (8+8) + 8/8) \\
&:= 99/9 + ((9 \times 9 - (9/9 + 9 + 9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3856 &:= (1+1) \times (1 + ((1+1)^{11} - 11^{1+1})) \\
&:= 2 \times (2 \times (2 \times (22^2 - 2))) \\
&:= 3 + ((3 \times (3 \times 3 + 3)^3) - (33/3)^3) \\
&:= 4 \times ((4 \times (4^4 - 4 \times 4)) + 4) \\
&:= 5^5 + ((555 + 5^5)/5 - 5) \\
&:= 6 + ((6 \times 6 - 6/6) \times ((666 - 6)/6)) \\
&:= 7 + ((7 \times 7 \times 77 - 7/7) + 77) \\
&:= 8 + ((88 - 8) \times (8 \times 8 - 8 - 8) + 8) \\
&:= (9 - 9/9) \times (((9 \times (9 \times (99 + 9) - 9)) + 9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3857 &:= 1 + ((1+1) \times (1 + ((1+1)^{11} - 11^{1+1}))) \\
&:= 2/2 + (2 \times (2 \times (2 \times (22^2 - 2)))) \\
&:= (3 \times (33 \times (33 + 3 + 3))) - (3/3 + 3) \\
&:= 4 \times 4 + (((4+4)^4) - 4^4) + 4/4 \\
&:= 5^5 + (((555 + 5^5) + 5)/5) - 5 \\
&:= 6 + ((6 \times ((6 \times 6 \times (6+6+6)) - 6)) - 6/6) \\
&:= 7 + (7 \times 7 \times 77 + 77) \\
&:= (8 \times (8 \times 8 \times 8 - 8 - 8)) - 888/8 \\
&:= (9 - (9+9)/9) \times ((9999 - 9 \times 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3858 &:= (1+1) \times (1 + (1 + ((1+1)^{11} - 11^{1+1}))) \\
&:= 2 + (2 \times (2 \times (2 \times (22^2 - 2)))) \\
&:= (3 \times (33 \times (33 + 3 + 3))) - 3 \\
&:= 4 + (((4+4)^4) - 44 \times 44/(4+4)) \\
&:= ((5/5 + 5)^5)/(5+5)/5 - (5 \times 5 + 5) \\
&:= 6 + (6 \times ((6 \times 6 \times (6+6+6)) - 6)) \\
&:= 7 + ((7 \times 7 \times 77 + 77) + 7/7) \\
&:= ((8 - 888)/8) + (8 \times (8 \times 8 \times 8 - 8 - 8)) \\
&:= ((9 \times 9 - (9+9))^{(9+9)/9}) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3859 &:= 1 + ((1+1) \times (1 + (1 + ((1+1)^{11} - 11^{1+1})))) \\
&:= (2 \times (2 \times 22)^2) - (22/2 + 2) \\
&:= 3/3 + ((3 \times (33 \times (33 + 3 + 3))) - 3) \\
&:= 4 + ((44/4 + 4) \times (4/4 + 4^4)) \\
&:= 5 + (((5 - (5+5)/5)^{5/5+5}) + 5^5) \\
&:= 6 + ((6 \times ((6 \times 6 \times (6+6+6)) - 6)) + 6/6) \\
&:= 7 + ((7 \times 7 \times 77 + ((7+7)/7)) + 77) \\
&:= 8 + ((88 - 8) \times (8 \times 8 - 8 - 8) + (88/8)) \\
&:= 9 + ((99/9) \times (((9+9)/9)^9) - 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3860 &:= (11 \times ((11 \times ((11 \times (1+1+1)) - 1)) - 1)) - 1 \\
&:= 2 \times (2 \times (2 \times (22^2 - 2))) + 2 \\
&:= (3 \times (33 \times (33 + 3 + 3))) - 3/3 \\
&:= 4 + (((4+4)^4) - 4^4) + 4 \times 4 \\
&:= 5 + ((55 \times ((55+5+5) + 5)) + 5) \\
&:= (6 \times (666 - (6+6))) - ((6+6)/6)^6 \\
&:= (7 \times ((7 \times 77 + 7) + 7)) - 77/7 \\
&:= ((88 \times 88 - 8)/(8+8)/8) - 8 \\
&:= (99/9 + 9) \times (((999 + 9)/9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3861 &:= 11 \times ((11 \times ((11 \times (1+1+1)) - 1)) - 1) \\
&:= (2 \times (2 \times 22)^2) - 22/2 \\
&:= 3 \times (33 \times (33 + 3 + 3)) \\
&:= 44/4 \times ((4+4) \times 44 - 4/4) \\
&:= 5^5 + (555 + 5^5)/5 \\
&:= 6 + (((6^{6-6/6}) - 66)/(6+6)/6) \\
&:= 77 + (7 \times 7 \times 77 + (77/7)) \\
&:= (8 \times 88 \times 88/(8+8)) - 88/8 \\
&:= 99 \times (((99 + 9)/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3862 &:= 1 + (11 \times ((11 \times ((11 \times (1+1+1)) - 1)) - 1)) \\
&:= (2 \times (2 \times (2 \times (22^2 - 2)))) - 2 \\
&:= 3/3 + (3 \times (33 \times (33 + 3 + 3))) \\
&:= ((4+4)^4) + ((44/((4+4)/4)) - 4^4) \\
&:= 5^5 + (((555 + 5^5) + 5)/5) \\
&:= 6 + (((6 \times 6 - 6/6) \times ((666 - 6)/6)) + 6) \\
&:= 77 + (7 \times 7 \times 77 + (77 + 7)/7) \\
&:= (8 - 88)/8 + (8 \times 88 \times 88/(8+8)) \\
&:= 9 \times (9+9) \times (9+9+9) - ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3863 &:= ((1+1) \times ((1+1)^{11} - 11)) - 11 \\
&:= 2 + ((2 \times (2 \times 22)^2) - 22/2) \\
&:= 3 + ((3 \times (33 \times (33 + 3 + 3))) - 3/3) \\
&:= 4 + (((44/4 + 4) \times (4/4 + 4^4)) + 4) \\
&:= ((5/5 + 5)^5)/(5+5)/5 - 5 \times 5 \\
&:= 66/6 + (6 \times ((6 \times 6 \times (6+6+6)) - 6)) \\
&:= (7 \times ((7 \times 77 + 7) + 7)) - (7/7 + 7) \\
&:= (8 \times 88 \times 88/(8+8)) - (8/8 + 8) \\
&:= 9 + ((9/9 + 9 \times 9) \times (((99/9 + 9 + 9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3864 &:= (1+11) \times ((1+1+1) \times 111 - 11) \\
&:= 2 \times (2 \times (2 \times 22^2 - 2)) \\
&:= 3 + (3 \times (33 \times (33 + 3 + 3))) \\
&:= (4+4) \times ((44 \times 44 - 4)/4) \\
&:= 5^5 + (((5^5 - 55)/5) + 5 \times 5 \times 5) \\
&:= (6 \times 666) - (66 + 66) \\
&:= (7 \times ((7 \times 77 + 7) + 7)) - 7 \\
&:= (8 \times 88 \times 88/(8+8)) - 8 \\
&:= (99 + 9)/9 \times ((9+9) \times (9+9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3865 &:= 1 + ((1+11) \times ((1+1+1) \times 111 - 11)) \\
&:= 2/2 + (2 \times (2 \times (2 \times 22^2 - 2))) \\
&:= 3 + ((3 \times (33 \times (33 + 3 + 3))) + 3/3) \\
&:= 4 + (44/4 \times ((4+4) \times 44 - 4/4)) \\
&:= 5^5 + (5 \times 5 \times (5 \times 5 + 5) - (5+5)) \\
&:= 6/6 + ((6 \times 666) - (66 + 66)) \\
&:= 7/7 + ((7 \times ((7 \times 77 + 7) + 7)) - 7) \\
&:= 8/8 + ((8 \times 88 \times 88/(8+8)) - 8) \\
&:= 9999/9 + (9+9) \times (9 \times (9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3866 &:= 1 + (1 + ((1+11) \times ((1+1+1) \times 111 - 11))) \\
&:= (2 \times ((2 \times 22)^2 - 2)) - 2 \\
&:= (3 - 3/3) \times (((3 \times (3 + 3))^3 - 33)/3) \\
&:= (4+4)/4 \times ((44 \times 44 - 4) + 4/4) \\
&:= 5 + ((555 + 5^5)/5 + 5^5) \\
&:= (6 \times 666) - (((6+6)/6)^6 + 66) \\
&:= (7+7)/7 + ((7 \times ((7 \times 77 + 7) + 7)) - 7) \\
&:= (8+8)/8 + ((8 \times 88 \times 88/(8+8)) - 8) \\
&:= ((9+9)/9) \times ((9+9) \times (99+9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3867 &:= 11 + ((1+1) \times (1 + ((1+1)^{11} - 11^{1+1}))) \\
&:= (2 \times ((2 \times 22)^2 - 2)) - 2/2 \\
&:= ((3+3) \times (3 \times (3+3)^3 - 3)) - 3 \\
&:= (44 \times (44 + 44)) - (4/4 + 4) \\
&:= 5 + (((555 + 5^5) + 5)/5) + 5^5 \\
&:= (((6^{6-6/6}) - (6 \times 6 + 6))/(6+6)/6) \\
&:= 7 + ((7 \times ((7 \times 77 + 7) + 7)) - (77/7)) \\
&:= ((88 \times 88 - 8)/(8+8)/8) - 8/8 \\
&:= (9 \times (((9+9)/9)^9) - 9 \times 9) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3868 &:= (1+1) \times ((1+1)^{11} - (1+1+1+111)) \\
&:= 2 \times ((2 \times 22)^2 - 2) \\
&:= 3/3 + (((3+3) \times (3 \times (3+3)^3 - 3)) - 3) \\
&:= (44 \times (44+44)) - 4 \\
&:= 5 + (((5/5+5)^5 / ((5+5)/5)) - 5 \times 5) \\
&:= (6 \times 666) - (((6+6)/6)^{6/6+6}) \\
&:= 7 + ((7 \times 7 \times 77 + (77/7)) + 77) \\
&:= (88 \times 88 - 8) / ((8+8)/8) \\
&:= (9 \times (((9+9)/9)^9 - 9 \times 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3869 &:= ((1+1) \times ((1+1)^{11} - (1+1+111))) - 1 \\
&:= 2/2 + (2 \times ((2 \times 22)^2 - 2)) \\
&:= ((3+3) \times (3 \times (3+3)^3 - 3)) - 3/3 \\
&:= 4/4 + ((44 \times (44+44)) - 4) \\
&:= 5^5 + (((5^5 - 5)/5 - 5) + 5 \times 5 \times 5) \\
&:= ((6+6+6) \times (6 \times 6 \times 6 - 6/6)) - 6/6 \\
&:= (7 \times ((7 \times 77 + 7) + 7)) - (7+7)/7 \\
&:= 8/8 + ((88 \times 88 - 8) / ((8+8)/8)) \\
&:= (9 \times (((9+9)/9)^9 - 9 \times 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3870 &:= (1+1) \times ((1+1)^{11} - (1+1+111)) \\
&:= (2 \times (2 \times 22)^2) - 2 \\
&:= (3+3) \times (3 \times (3+3)^3 - 3) \\
&:= (4+4)/4 \times (44 \times 44 - 4/4) \\
&:= 5^5 + (5 \times 5 \times (5 \times 5 + 5) - 5) \\
&:= (6+6+6) \times (6 \times 6 \times 6 - 6/6) \\
&:= (7 \times ((7 \times 77 + 7) + 7)) - 7/7 \\
&:= (8 \times 88 \times 88 / (8+8)) - (8+8)/8 \\
&:= (9 \times (((9+9)/9)^9 - 9 \times 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3871 &:= ((1+1) \times ((1+1)^{11} - (1+111))) - 1 \\
&:= (2 \times (2 \times 22)^2) - 2/2 \\
&:= 3/3 + ((3+3) \times (3 \times (3+3)^3 - 3)) \\
&:= (44 \times (44+44)) - 4/4 \\
&:= 5 + (((555+5^5)/5 + 5^5) + 5) \\
&:= 6/6 + ((6+6+6) \times (6 \times 6 \times 6 - 6/6)) \\
&:= 7 \times ((7 \times 77 + 7) + 7) \\
&:= (8 \times 88 \times 88 / (8+8)) - 8/8 \\
&:= 9/9 + ((9 \times (((9+9)/9)^9 - 9 \times 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3872 &:= (1+1) \times ((1+1)^{11} - (1+111)) \\
&:= 2 \times (2 \times 22)^2 \\
&:= 3 + (((3+3) \times (3 \times (3+3)^3 - 3)) - 3/3) \\
&:= 44 \times (44+44) \\
&:= 5^5 + (((555+55) + 5^5)/5) \\
&:= 6 + ((6 \times 666) - (((6+6)/6)^6 + 66)) \\
&:= 7/7 + (7 \times ((7 \times 77 + 7) + 7)) \\
&:= 8 \times 88 \times 88 / (8+8) \\
&:= (9+9)/9 + ((9 \times (((9+9)/9)^9 - 9 \times 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3873 &:= ((1+1) \times ((1+1)^{11} - 111)) - 1 \\
&:= 2/2 + (2 \times (2 \times 22)^2) \\
&:= 3 + ((3+3) \times (3 \times (3+3)^3 - 3)) \\
&:= 4/4 + (44 \times (44+44)) \\
&:= 5^5 + ((5^5 - 5 - 5)/5 + 5 \times 5 \times 5) \\
&:= (6 \times 666) - ((666/6 + 6) + 6) \\
&:= (7+7)/7 + (7 \times ((7 \times 77 + 7) + 7)) \\
&:= 8/8 + (8 \times 88 \times 88 / (8+8)) \\
&:= 9 + ((99+9)/9 \times ((9+9) \times (9+9) - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3874 &:= (1+1) \times ((1+1)^{11} - 111) \\
&:= 2 + (2 \times (2 \times 22)^2) \\
&:= 3 + (((3+3) \times (3 \times (3+3)^3 - 3)) + 3/3) \\
&:= (4+4)/4 + (44 \times (44+44)) \\
&:= 5^5 + (((5^5 - 5)/5 + 5 \times 5 \times 5) \\
&:= (((6+6)/6)^{6+6}) - (6 \times 6 \times 6 + 6) \\
&:= 7 \times 7 \times 77 + (7777/77) \\
&:= (8+8)/8 + (8 \times 88 \times 88 / (8+8)) \\
&:= 9 + ((9+9) \times (9 \times (9+9) - 9) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3875 &:= 1 + ((1+1) \times ((1+1)^{11} - 111)) \\
&:= 2 + ((2 \times (2 \times 22)^2) + 2/2) \\
&:= ((3^3 + 3/3) + 3) \times ((3 - 3/3 + 3)^3) \\
&:= 4 + ((44 \times (44+44)) - 4/4) \\
&:= 5 \times (5 \times (5 \times (5 \times 5 + 5) + 5)) \\
&:= (6 \times 666) - ((66/6) \times (66/6)) \\
&:= 77/7 + ((7 \times ((7 \times 77 + 7) + 7)) - 7) \\
&:= ((88 \times 88 + 8) / ((8+8)/8)) - 8/8 \\
&:= 9 + (((9+9)/9) \times ((9+9) \times (99+9) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3876 &:= (1+1) \times (1 + ((1+1)^{11} - 111)) \\
&:= 2 \times ((2 \times 22)^2 + 2) \\
&:= (3 \times (((3+3)^{3/3+3}) - 3)) - 3 \\
&:= 4 + (44 \times (44+44)) \\
&:= 5^5 + (5 \times 5 \times (5 \times 5 + 5) + 5/5) \\
&:= (6 \times (6 \times 6 \times (6+6+6))) - 6 - 6 \\
&:= (77 - 7/7) \times ((7+7)/7 + 7 \times 7) \\
&:= (88 \times 88 + 8) / ((8+8)/8) \\
&:= (99+9)/9 \times ((9+9) \times (9+9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3877 &:= 1 + ((1+1) \times (1 + ((1+1)^{11} - 111))) \\
&:= 2/2 + (2 \times ((2 \times 22)^2 + 2)) \\
&:= ((3/3 + 3)^{3+3}) - ((3+3)^3 + 3) \\
&:= 4 + ((44 \times (44+44)) + 4/4) \\
&:= 5^5 + (5 \times 5 \times (5 \times 5 + 5) + ((5+5)/5)) \\
&:= (6 \times (6 \times 6 \times (6+6+6))) - 66/6 \\
&:= 7 + ((7 \times ((7 \times 77 + 7) + 7)) - 7/7) \\
&:= 8/8 + ((88 \times 88 + 8) / ((8+8)/8)) \\
&:= (9 \times (((9+9)/9)^9 - 9 \times 9)) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3878 &:= (1+1) \times (1 + (1 + ((1+1)^{11} - 111))) \\
&:= 2 + (2 \times ((2 \times 22)^2 + 2)) \\
&:= (3 \times (((3+3)^{3/3+3}) - 3)) - 3/3 \\
&:= 4 + ((44 \times (44+44)) + (4+4)/4) \\
&:= ((5+5)/5 + 5) \times (555 - 5/5) \\
&:= (6 - 66)/6 + (6 \times (6 \times 6 \times (6+6+6))) \\
&:= 7 + (7 \times ((7 \times 77 + 7) + 7)) \\
&:= 8 + ((8 \times 88 \times 88 / (8+8)) - ((8+8)/8)) \\
&:= (9 \times (((9+9)/9)^9 - 9 \times 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3879 &:= 1 + ((1+1) \times (1 + (1 + ((1+1)^{11} - 111)))) \\
&:= 2 + ((2 \times ((2 \times 22)^2 + 2)) + 2/2) \\
&:= 3 \times (((3+3)^{3/3+3}) - 3) \\
&:= 4 + (((44 \times (44+44)) - 4/4) + 4) \\
&:= 5 + (((5^5 - 5)/5 + 5 \times 5 \times 5) + 5^5) \\
&:= (6 \times 666) - (666/6 + 6) \\
&:= 7 + ((7 \times ((7 \times 77 + 7) + 7)) + 7/7) \\
&:= 8 + ((8 \times 88 \times 88 / (8+8)) - 8/8) \\
&:= 9 \times (((9+9)/9)^9 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3880 &:= (1+1) \times (1 + (1 + (1 + ((1+1)^{11} - 111)))) \\
&:= 2 \times (((2 \times 22)^2 + 2) + 2) \\
&:= ((3/3 + 3)^{3+3}) - (3+3)^3 \\
&:= 4 + ((44 \times (44+44)) + 4) \\
&:= 5 + (5 \times 5 \times (5 \times 5 + 5) + 5^5) \\
&:= (((6+6)/6)^{6+6}) - 6 \times 6 \times 6 \\
&:= (7 - ((7+7)/7)) \times (777 - 7/7) \\
&:= 8 + (8 \times 88 \times 88 / (8+8)) \\
&:= 9/9 + (9 \times (((9+9)/9)^9 - 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3881 &:= ((1+1+1) \times 11^{1+1+1}) - (1+111) \\
&:= 2/2 + (2 \times (((2 \times 22)^2 + 2) + 2)) \\
&:= 3 + ((3 \times (((3+3)^{3/3+3}) - 3)) - 3/3) \\
&:= 4 + (((44 \times (44+44)) + 4/4) + 4) \\
&:= 5 + ((5 \times 5 \times (5 \times 5 + 5) + 5^5) + 5/5) \\
&:= (6 \times (6 \times 6 \times (6+6+6))) - 6/6 - 6 \\
&:= ((77 - 7/7) / 7) + (7 \times ((7 \times 77 + 7) + 7)) \\
&:= ((8 \times 8 - 8/8)^{(8+8)/8}) - 88 \\
&:= (9+9)/9 + (9 \times (((9+9)/9)^9 - 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3882 &:= ((1+1+1) \times 11^{1+1+1}) - 111 \\
&:= 2 + (2 \times (((2 \times 22)^2 + 2) + 2)) \\
&:= 3 + (3 \times (((3+3)^{3/3+3}) - 3)) \\
&:= 44 + (((4+4)^4) - ((4+4)/4 + 4^4)) \\
&:= (5/5 + 5) \times (((55+55) + 5^5)/5) \\
&:= (6 \times (6 \times 6 \times (6+6+6))) - 6 \\
&:= 77/7 + (7 \times ((7 \times 77 + 7) + 7)) \\
&:= 8 + ((8 \times 88 \times 88 / (8+8)) + ((8+8)/8)) \\
&:= ((9+9+9)/9) + (9 \times (((9+9)/9)^9 - 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3883 &:= 11 \times (1 + (11 \times ((11 \times (1 + 1 + 1)) - 1))) \\
&:= 22/2 + (2 \times (2 \times 22)^2) \\
&:= 3 + (((3/3 + 3)^{3+3}) - (3 + 3)^3) \\
&:= 44 + (((4 + 4)^4) - (4/4 + 4^4)) \\
&:= ((5/5 + 5)^5 / ((5 + 5)/5)) - 5 \\
&:= 6/6 + ((6 \times (6 \times 6 \times (6 + 6 + 6))) - 6) \\
&:= 7 \times 7 \times 77 + (777 - 7)/7 \\
&:= 88/8 + (8 \times 88 \times 88 / (8 + 8)) \\
&:= 99 + (9999/9 + 99 \times (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3884 &:= (111 \times (1 + (1 + 11 \times (1 + 1 + 1)))) - 1 \\
&:= 2 \times (((2 \times 22)^2 + 2) + 2) + 2 \\
&:= (3 \times ((3 + 3)^{3/3+3})) - (3/3 + 3) \\
&:= 44 + (((4 + 4)^4) - 4^4) \\
&:= (555 \times ((5 + 5)/5 + 5)) - 5/5 \\
&:= (6 \times 666) - (666 + 6)/6 \\
&:= 777/7 + 7 \times 7 \times 77 \\
&:= 8 + ((88 \times 88 + 8) / ((8 + 8)/8)) \\
&:= ((9 + 9)/9) \times ((9 + 9) \times (99 + 9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3885 &:= 111 \times (1 + (1 + 11 \times (1 + 1 + 1))) \\
&:= 2 + ((2 \times (2 \times 22)^2) + 22/2) \\
&:= (3 \times ((3 + 3)^{3/3+3})) - 3 \\
&:= 44 + (((4 + 4)^4) - 4^4) + 4/4 \\
&:= 555 \times ((5 + 5)/5 + 5) \\
&:= (6 \times 666) - 666/6 \\
&:= 777 \times (7 - ((7 + 7)/7)) \\
&:= (8 - 8/8) \times (8888 - 8) / (8 + 8) \\
&:= 999/9 \times (((9 - 9/9) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3886 &:= 1 + (111 \times (1 + (1 + 11 \times (1 + 1 + 1)))) \\
&:= (2 \times (2 \times (2 \times (22^2 + 2)))) - 2 \\
&:= 3/3 + ((3 \times ((3 + 3)^{3/3+3})) - 3) \\
&:= 44 + (((4 + 4)^4) - 4^4) + (4 + 4)/4 \\
&:= 5/5 + (555 \times ((5 + 5)/5 + 5)) \\
&:= 6 + (((6 + 6)/6)^{6+6}) - 6 \times 6 \times 6 \\
&:= 7/7 + (777 \times (7 - ((7 + 7)/7))) \\
&:= 8 + (((8 \times 88 \times 88 / (8 + 8)) - ((8 + 8)/8)) + 8) \\
&:= ((9 + 9)/9) \times ((9 + 9) \times (99 + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3887 &:= (1 + (11 + 11)) \times (1 + 1 + 11)^{1+1} \\
&:= 22/2 + (2 \times ((2 \times 22)^2 + 2)) \\
&:= (3 \times ((3 + 3)^{3/3+3})) - 3/3 \\
&:= ((44 + 4) \times (4 - 4/4^4)) - 4/4 \\
&:= ((5/5 + 5)^5 / ((5 + 5)/5)) - 5/5 \\
&:= (6 \times (6 \times 6 \times (6 + 6 + 6))) - 6/6 \\
&:= 7 + ((7 - ((7 + 7)/7)) \times (777 - 7/7)) \\
&:= 8 + (((8 \times 88 \times 88 / (8 + 8)) - 8/8) + 8) \\
&:= ((99 + 9) \times ((9 + 9 + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3888 &:= (1 + 1 + 1) \times ((1 + 1 + 1) \times (1 + 11))^{1+1} \\
&:= 2 \times (2 \times (2 \times (22^2 + 2))) \\
&:= 3 \times ((3 + 3)^{3/3+3}) \\
&:= (44 + 4) \times (4 - 4/4^4) \\
&:= (5/5 + 5)^5 / ((5 + 5)/5) \\
&:= 6 \times (6 \times 6 \times (6 + 6 + 6)) \\
&:= (7777 - 7/7) / ((7 + 7)/7) \\
&:= 8 + ((8 \times 88 \times 88 / (8 + 8)) + 8) \\
&:= (99 + 9) \times ((9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3889 &:= 1 + ((1 + 1 + 1) \times ((1 + 1 + 1) \times (1 + 11))^{1+1}) \\
&:= 2/2 + (2 \times (2 \times (2 \times (22^2 + 2)))) \\
&:= 3/3 + (3 \times ((3 + 3)^{3/3+3})) \\
&:= 4/4 + ((44 + 4) \times (4 - 4/4^4)) \\
&:= 5/5 + ((5/5 + 5)^5 / ((5 + 5)/5)) \\
&:= 6/6 + (6 \times (6 \times 6 \times (6 + 6 + 6))) \\
&:= (7777 + 7/7) / ((7 + 7)/7) \\
&:= 8 + (((8 \times 8 - 8/8)^{(8+8)/8}) - 88) \\
&:= 9/9 + ((99 + 9) \times ((9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3890 &:= (11 - 1) \times (((1 + 1) \times (11 - 1))^{1+1} - 11) \\
&:= 2 + (2 \times (2 \times (2 \times (22^2 + 2)))) \\
&:= 3 + ((3 \times ((3 + 3)^{3/3+3})) - 3/3) \\
&:= (4 + 4)/4 + ((44 + 4) \times (4 - 4/4^4)) \\
&:= 5 + (555 \times ((5 + 5)/5 + 5)) \\
&:= (6 + 6)/6 + (6 \times (6 \times 6 \times (6 + 6 + 6))) \\
&:= (7 - ((7 + 7)/7)) \times (777 + 7/7) \\
&:= ((8/8 - 8 \times 8) \times (((8 + 8)/8) - 8 \times 8)) - 8 - 8 \\
&:= (9 + 9)/9 + ((99 + 9) \times ((9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3891 &:= (1 + 1 + 1) \times (1 + ((1 + 1 + 1) \times (1 + 11))^{1+1}) \\
&:= 2 + ((2 \times (2 \times (2 \times (22^2 + 2)))) + 2/2) \\
&:= 3 + (3 \times ((3 + 3)^{3/3+3})) \\
&:= 4 + (((44 + 4) \times (4 - 4/4^4)) - 4/4) \\
&:= 5 + ((555 \times ((5 + 5)/5 + 5)) + 5/5) \\
&:= ((6^6 - 6/6) + 6) / ((6 + 6)/6) \\
&:= 7 + (777/7 + 7 \times 7 \times 77) \\
&:= 8 + ((8 \times 88 \times 88 / (8 + 8)) + (88/8)) \\
&:= (99 + 9)/9 + (9 \times (((9 + 9)/9)^9) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3892 &:= 1 + ((1 + 1 + 1) \times (1 + ((1 + 1 + 1) \times (1 + 11))^{1+1})) \\
&:= 2 \times (2 \times (2 \times (22^2 + 2))) + 2 \\
&:= 3 + ((3 \times ((3 + 3)^{3/3+3})) + 3/3) \\
&:= 4 + ((44 + 4) \times (4 - 4/4^4)) \\
&:= ((5 + 5)/5 + 5) \times (555 + 5/5) \\
&:= 6 + (((6 + 6)/6)^{6+6}) - 6 \times 6 \times 6 + 6 \\
&:= 7 + (777 \times (7 - ((7 + 7)/7))) \\
&:= 8 + (((8 \times 88 + 8) / ((8 + 8)/8)) + 8) \\
&:= ((9 + 9)/9) \times ((9 + 9) \times (99 + 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3893 &:= 11 + (((1 + 1 + 1) \times 11^{1+1+1}) - 111) \\
&:= 22 + ((2 \times (2 \times 22)^2) - 2/2) \\
&:= (3 \times ((33/3)^3 - 33)) - 3/3 \\
&:= 4 + (((44 + 4) \times (4 - 4/4^4)) + 4/4) \\
&:= 5 + ((5/5 + 5)^5 / ((5 + 5)/5)) \\
&:= 6 + ((6 \times (6 \times 6 \times (6 + 6 + 6))) - 6/6) \\
&:= ((7/7 + 7 \times 7) \times (7/7 + 77)) - 7 \\
&:= (8 \times (8 \times 8 \times 8 - (8 + 8 + 8))) - 88/8 \\
&:= 9 + (((9 + 9)/9) \times ((9 + 9) \times (99 + 9) - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3894 &:= (1 + 1) \times (11 + ((1 + 1)^{11} - (1 + 11))) \\
&:= 22 + (2 \times (2 \times 22)^2) \\
&:= 3 \times ((33/3)^3 - 33) \\
&:= (4 + 4)/4 \times (44 \times 44 + 44/4) \\
&:= (5/5 + 5) \times ((5^5 - 5)/5 + 5 \times 5) \\
&:= 6 + (6 \times (6 \times 6 \times (6 + 6 + 6))) \\
&:= 77/7 \times (7 \times 7 \times 7 + (77/7)) \\
&:= (8 - 88)/8 + (8 \times (8 \times 8 \times 8 - (8 + 8 + 8))) \\
&:= 9 + (999/9 \times (((9 - 9/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3895 &:= ((1 + 1) \times (11 + ((1 + 1)^{11} - 11))) - 1 \\
&:= 22 + ((2 \times (2 \times 22)^2) + 2/2) \\
&:= 3/3 + (3 \times ((33/3)^3 - 33)) \\
&:= 44 + ((44/4 - 4^4) + ((4 + 4)^4)) \\
&:= (5 \times ((5^5 - 5) / (5 - 5/5))) - 5 \\
&:= 6 + ((6 \times (6 \times 6 \times (6 + 6 + 6))) + 6/6) \\
&:= 7 + ((7777 - 7/7) / ((7 + 7)/7)) \\
&:= (8 \times (8 \times 8 \times 8 - (8 + 8 + 8))) - (8/8 + 8) \\
&:= 9 + (((9 + 9)/9) \times ((9 + 9) \times (99 + 9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3896 &:= (1 + 1) \times (11 + ((1 + 1)^{11} - 11)) \\
&:= 2 + ((2 \times (2 \times 22)^2) + 22) \\
&:= (3 \times (((3 + 3)^{3/3+3}) + 3)) - 3/3 \\
&:= ((4^4 + 4) \times (44/4 + 4)) - 4 \\
&:= 5/5 + ((5 \times ((5^5 - 5) / (5 - 5/5))) - 5) \\
&:= (6 \times (666 - 6)) - ((6 + 6)/6)^6 \\
&:= 7 + ((7777 + 7/7) / ((7 + 7)/7)) \\
&:= (8 \times (8 \times 8 \times 8 - (8 + 8 + 8))) - 8 \\
&:= 9 + (((99 + 9) \times ((9 + 9 + 9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3897 &:= 1 + ((1 + 1) \times (11 + ((1 + 1)^{11} - 11))) \\
&:= 2 + (((2 \times (2 \times 22)^2) + 22) + 2/2) \\
&:= 3 \times (((3 + 3)^{3/3+3}) + 3) \\
&:= 4/4 + (((4^4 + 4) \times (44/4 + 4)) - 4) \\
&:= 5 + (((5 + 5)/5 + 5) \times (555 + 5/5)) \\
&:= 6 + (((6^6 - 6/6) + 6) / ((6 + 6)/6)) \\
&:= 7 + ((7 - ((7 + 7)/7)) \times (777 + 7/7)) \\
&:= 8/8 + ((8 \times (8 \times 8 \times 8 - (8 + 8 + 8))) - 8) \\
&:= 9 + ((99 + 9) \times ((9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3898 &:= (1+1) \times (1+(11+(1+1)^{11}-111))) \\
&:= 22 + (2 \times ((2 \times 22)^2 + 2)) \\
&:= 3/3 + (3 \times (((3+3)^{3/3+3}) + 3)) \\
&:= ((4^4+4) \times (44/4+4)) - (4+4)/4 \\
&:= 5 + (((5/5+5)^5 / ((5+5)/5)) + 5) \\
&:= ((66-6)/6) + (6 \times (6 \times 6 \times (6+6+6))) \\
&:= 77 + ((7 \times (7 \times 77+7)) - 7/7) \\
&:= ((8/8-8 \times 8) \times (((8+8)/8) - 8 \times 8)) - 8 \\
&:= 9 + (((99+9) \times ((9+9+9)+9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3899 &:= 1 + ((1+1) \times (1+(11+(1+1)^{11}-111))) \\
&:= 22 + ((2 \times ((2 \times 22)^2 + 2)) + 2/2) \\
&:= 33/3 + (3 \times ((3+3)^{3/3+3})) \\
&:= ((4^4+4) \times (44/4+4)) - 4/4 \\
&:= (5 \times ((5^5-5)/(5-5/5))) - 5/5 \\
&:= 66/6 + (6 \times (6 \times 6 \times (6+6+6))) \\
&:= 77 + (7 \times (7 \times 77+7)) \\
&:= (8-8/8) \times (8 \times (8 \times 8+8) - (88/8+8)) \\
&:= 99/9 + ((99+9) \times ((9+9+9)+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3900 &:= (1+1+1) \times (1+1+11) \times (11-1)^{1+1} \\
&:= 2 + ((2 \times ((2 \times 22)^2 + 2)) + 22) \\
&:= 3 + (3 \times (((3+3)^{3/3+3}) + 3)) \\
&:= (4^4+4) \times (44/4+4) \\
&:= 5 \times ((5^5-5)/(5-5/5)) \\
&:= (6-66) \times (6/6-66) \\
&:= (7/7+7 \times 7) \times (7/7+77) \\
&:= (8/8+8 \times 8) \times (8 \times 8 - (8/(8+8)/8)) \\
&:= (99+9)/9 \times ((9+9) \times (9+9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3901 &:= 1 + ((1+1+1) \times (1+1+11) \times (11-1)^{1+1}) \\
&:= 2 + (((2 \times ((2 \times 22)^2 + 2)) + 2/2) + 22) \\
&:= 3 + ((3 \times (((3+3)^{3/3+3}) + 3)) + 3/3) \\
&:= 4/4 + ((4^4+4) \times (44/4+4)) \\
&:= 5/5 + (5 \times ((5^5-5)/(5-5/5))) \\
&:= 6/6 + ((6-66) \times (6/6-66)) \\
&:= 7 \times 7 \times 77 + ((7+7)/7)^7 \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - (8+8+8))) - (88/8)) \\
&:= ((9 \times 9 - 99/9)^{(9+9)/9}) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3902 &:= ((1+11)^{1+1}) \times ((11 \times (1+1+1)) - 1) - 1 - 1 \\
&:= 22 + (2 \times (((2 \times 22)^2 + 2) + 2)) \\
&:= 3 + ((3 \times ((3+3)^{3/3+3})) + 33/3) \\
&:= ((4+4)^4) + ((4^4-4-4)/4-4^4) \\
&:= 5^5 + (((5+5)/5+5) \times 555/5) \\
&:= 6 + ((6 \times (666-6)) - ((6+6)/6)^6) \\
&:= 7/7 + (7 \times 7 \times 77 + ((7+7)/7)^7) \\
&:= (8 \times (8 \times 8 \times 8 - (8+8+8))) - (8+8)/8 \\
&:= ((9+9)/9) \times (((9+9) \times (99+9) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3903 &:= ((1+11)^{1+1}) \times ((11 \times (1+1+1)) - 1) - 1 \\
&:= (2 \times ((2 \times 22)^2 + 2^{2+2})) - 2/2 \\
&:= 3 \times (((33/3)^3 - 33) + 3) \\
&:= ((4+4)^4) + (((4^4-4)/4) - 4^4) \\
&:= 5 + (((5/5+5)^5 / ((5+5)/5)) + 5) + 5 \\
&:= 6 + (((6^{6-6/6}) + 6) / ((6+6)/6)) + 6 \\
&:= 7 + (((7777+7/7) / ((7+7)/7)) + 7) \\
&:= (8 \times (8 \times 8 \times 8 - (8+8+8))) - 8/8 \\
&:= 9 + ((999/9 \times (((9-9/9)+9)+9)+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3904 &:= (1+11)^{1+1} \times ((11 \times (1+1+1)) - 1) \\
&:= 2 \times ((2 \times 22)^2 + 2^{2+2}) \\
&:= ((3/3+3)^3) \times (((3/3+3)^3) - 3) \\
&:= 4 \times (4 \times ((4^4-4 \times 4) + 4)) \\
&:= 5 + ((5 \times ((5^5-5)/(5-5/5))) - 5/5) \\
&:= ((6+6)/6)^6 \times (66-6+6/6) \\
&:= (7/7+7) \times (7 \times (77-7) - ((7+7)/7)) \\
&:= 8 \times (8 \times 8 \times 8 - (8+8+8)) \\
&:= 999 + (9 \times (9+9) \times (9+9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3905 &:= 1 + ((1+11)^{1+1}) \times ((11 \times (1+1+1)) - 1) \\
&:= 22 + ((2 \times (2 \times 22)^2) + 22/2) \\
&:= ((3+3) \times (3 \times (3+3)^3 + 3)) - 3/3 \\
&:= 4/4 + (4 \times (4 \times ((4^4-4 \times 4) + 4))) \\
&:= 5 + (5 \times ((5^5-5)/(5-5/5))) \\
&:= 6 + ((6 \times (6 \times 6 \times (6+6+6))) + (66/6)) \\
&:= 7 + (((7 \times (7 \times 77+7)) - 7/7) + 77) \\
&:= 8/8 + (8 \times (8 \times 8 \times 8 - (8+8+8))) \\
&:= 9 + (((99+9) \times ((9+9+9)+9)) - 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3906 &:= 1 + (1 + ((1+11)^{1+1}) \times ((11 \times (1+1+1)) - 1)) \\
&:= 2 + (2 \times ((2 \times 22)^2 + 2^{2+2})) \\
&:= (3+3) \times (3 \times (3+3)^3 + 3) \\
&:= ((4^4-4)/4) \times (4^4-4-4)/4 \\
&:= 5^5 + ((5^5-5/5)/(5-5/5)) \\
&:= 6 + ((6-66) \times (6/6-66)) \\
&:= 7 + ((7 \times (7 \times 77+7)) + 77) \\
&:= (8/8-8 \times 8) \times (((8+8)/8) - 8 \times 8) \\
&:= 9 + (((99+9) \times ((9+9+9)+9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3907 &:= (1+1)^{11} + (11 \times (1+1+11))^{1+1} \\
&:= 2 + ((2 \times ((2 \times 22)^2 + 2^{2+2})) + 2/2) \\
&:= 3/3 + ((3+3) \times (3 \times (3+3)^3 + 3)) \\
&:= 4 + (((4^4-4)/4) - 4^4) + ((4+4)^4) \\
&:= 5 + (((5+5)/5+5) \times 555/5) + 5^5 \\
&:= 6 + (((6-66) \times (6/6-66)) + 6/6) \\
&:= 7 + ((7/7+7 \times 7) \times (7/7+77)) \\
&:= 8/8 + ((8/8-8 \times 8) \times (((8+8)/8) - 8 \times 8)) \\
&:= 9 + (((99+9) \times ((9+9+9)+9)) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3908 &:= ((111-1)^{1+1}) - ((1+1)^{1+1+11}) \\
&:= 2 \times (((2 \times 22)^2 + 2^{2+2}) + 2) \\
&:= 3 + (((3+3) \times (3 \times (3+3)^3 + 3)) - 3/3) \\
&:= 4 + (4 \times (4 \times ((4^4-4 \times 4) + 4))) \\
&:= 5 \times 5 + (((5/5+5)^5 / ((5+5)/5)) - 5) \\
&:= 6 + (((6 \times (666-6)) - ((6+6)/6)^6) + 6) \\
&:= 7 + (7 \times 7 \times 77 + ((7+7)/7)^7) \\
&:= 8 \times 8 + ((8 \times 8 - ((8+8)/8))^{(8+8)/8}) \\
&:= 9 + (((99+9) \times ((9+9+9)+9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3909 &:= 1 + (((111-1)^{1+1}) - ((1+1)^{1+1+11})) \\
&:= 22 + ((2 \times ((2 \times 22)^2 + 2)) + 22/2) \\
&:= 3 + ((3+3) \times (3 \times (3+3)^3 + 3)) \\
&:= ((4+4)^4) - (4 \times 44 + 44/4) \\
&:= 5^5 + (((55/5+5^5)/(5-5/5)) \\
&:= (((6^{6-6/6}) + 6 \times 6) + 6) / ((6+6)/6) \\
&:= ((77-7) \times (7 \times 7+7)) - 77/7 \\
&:= 8 \times 8 \times 8 \times 8 - ((88/8+88) + 88) \\
&:= 9 + ((99+9)/9 \times ((9+9) \times (9+9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3910 &:= (1 + (11+11)) \times (1 + (1+1+11))^{1+1} \\
&:= 22 + (2 \times (2 \times (2 \times (22^2 + 2)))) \\
&:= 3 + (((3+3) \times (3 \times (3+3)^3 + 3)) + 3/3) \\
&:= 4 + (((4^4-4)/4) \times (4^4-4-4)/4) \\
&:= 5 + ((5 \times ((5^5-5)/(5-5/5))) + 5) \\
&:= 6 + (((6+6)/6)^6 \times (66-6+6/6)) \\
&:= 77 + ((7 \times (7 \times 77+7)) + (77/7)) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - (8+8+8))) - ((8+8)/8)) \\
&:= (9/9+9) \times (((99/9+9)^{(9+9)/9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3911 &:= 1 + ((1 + (11+11)) \times (1 + (1+1+11))^{1+1}) \\
&:= (2 \times (((2 \times 22)^2 - 2) + 22)) - 2/2 \\
&:= (3 \times (((33/3)^3 - 3^3)) - 3/3) \\
&:= 44/4 + ((4^4+4) \times (44/4+4)) \\
&:= 5 + (((5^5-5/5)/(5-5/5)) + 5^5) \\
&:= 66/6 + ((6-66) \times (6/6-66)) \\
&:= ((77-7) \times (7 \times 7+7)) - ((7+7)/7+7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - (8+8+8))) - 8/8) \\
&:= ((9 \times 9 \times 99+9/9) / ((9+9)/9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3912 &:= (1+11) \times ((1+1+1) \times (111-1-1) - 1) \\
&:= 2 \times (((2 \times 22)^2 - 2) + 22) \\
&:= 3 \times (((33/3)^3 - 3^3) \\
&:= ((4+4)^4) - ((4 \times 44+4) + 4) \\
&:= (5/5+5) \times ((5^5+5+5)/5+5 \times 5) \\
&:= (6 \times (666 - (6+6))) - 6-6 \\
&:= (7/7+7) \times (7 \times (77-7) - 7/7) \\
&:= 8 + (8 \times (8 \times 8 \times 8 - (8+8+8))) \\
&:= (99+9)/9 \times ((9+9) \times (9+9) + ((9+9)/9))
\end{aligned}$$

- 3913 := $1 + ((1 + 11) \times ((1 + 1 + 1) \times (111 - 1 - 1) - 1))$
:= $2/2 + (2 \times ((2 \times 22)^2 - 2) + 22)$
:= $3/3 + (3 \times ((33/3)^3 - 3^3))$
:= $4 + (((4 + 4)^4) - (4 \times 44 + 44/4))$
:= $5 \times 5 + ((5/5 + 5)^5 / ((5 + 5)/5))$
:= $(6 \times (666 - (6 + 6))) - 66/6$
:= $((77 - 7) \times (7 \times 7 + 7)) - 7$
:= $8 + ((8 \times (8 \times 8 \times 8 - (8 + 8 + 8))) + 8/8)$
:= $999 + (9 \times (9 + 9) \times (9 + 9) - ((9 + 9)/9))$
- 3914 := $((1 + (1 + 11)^{1+1}) \times (1 + 1 + 1)^{1+1+1}) - 1$
:= $(2 \times ((2 \times 22)^2 + 22)) - 2$
:= $3 + ((3 \times ((33/3)^3 - 3^3)) - 3/3)$
:= $((4 + 4)^4) - ((4 \times 44 + (4 + 4)/4) + 4)$
:= $55 \times (55 + 5) + ((5^5 - 55)/5)$
:= $(6 - 66)/6 + (6 \times (666 - (6 + 6)))$
:= $7/7 + (((77 - 7) \times (7 \times 7 + 7)) - 7)$
:= $8 + ((8/8 - 8 \times 8) \times ((8 + 8)/8) - 8 \times 8)$
:= $999 + (9 \times (9 + 9) \times (9 + 9) - 9/9)$
- 3915 := $(1 + (1 + 11)^{1+1}) \times (1 + 1 + 1)^{1+1+1}$
:= $(2 \times ((2 \times 22)^2 + 22)) - 2/2$
:= $3 + (3 \times ((33/3)^3 - 3^3))$
:= $((4 + 4)^4) - ((4 \times 44 + 4/4) + 4)$
:= $((5 + 5)/5 + 5) \times (555 + 5) - 5$
:= $6 \times (666 + 6) - (666/6 + 6)$
:= $7 + ((7 \times 7 \times 77 + ((7 + 7)/7)^7) + 7)$
:= $88/8 + (8 \times (8 \times 8 \times 8 - (8 + 8 + 8)))$
:= $999 + 9 \times (9 + 9) \times (9 + 9)$
- 3916 := $11 \times (((1 + 1 + 1) \times (11^{1+1} - (1 + 1))) - 1)$
:= $2 \times ((2 \times 22)^2 + 22)$
:= $3 + ((3 \times ((33/3)^3 - 3^3)) + 3/3)$
:= $((4 + 4)^4) - (4 \times 44 + 4)$
:= $55 + ((555 + 5^5)/5 + 5^5)$
:= $(6 \times (6 - 6 \times 6)) + (((6 + 6)/6)^{6+6})$
:= $7 + (((77 - 7) \times (7 \times 7 + 7)) - (77/7))$
:= $(8/8 + 88) \times (88/((8 + 8)/8))$
:= $9/9 + (9 \times (9 + 9) \times (9 + 9) + 999)$
- 3917 := $1 + (11 \times (((1 + 1 + 1) \times (11^{1+1} - (1 + 1))) - 1))$
:= $2/2 + (2 \times ((2 \times 22)^2 + 22))$
:= $33/3 + ((3 + 3) \times (3 \times (3 + 3)^3 + 3))$
:= $4/4 + (((4 + 4)^4) - (4 \times 44 + 4))$
:= $5 + ((5/5 + 5) \times ((5^5 + 5 + 5)/5 + 5 \times 5))$
:= $(6 \times (666 - (6 + 6))) - 6/6 - 6$
:= $((77 - 7) \times (7 \times 7 + 7)) - (7 + 7 + 7)/7$
:= $8/8 + ((8/8 + 88) \times (88/((8 + 8)/8)))$
:= $(9 + 9)/9 + (9 \times (9 + 9) \times (9 + 9) + 999)$
- 3918 := $(1 + 1) \times (11 + (11 + ((1 + 1)^{11} - 111)))$
:= $2 + (2 \times ((2 \times 22)^2 + 22))$
:= $3 + ((3 \times ((33/3)^3 - 3^3)) + 3)$
:= $((4 + 4)^4) - (4 \times 44 + (4 + 4)/4)$
:= $5 + (((5/5 + 5)^5 / ((5 + 5)/5)) + 5 \times 5)$
:= $(6 \times (666 - (6 + 6))) - 6$
:= $((77 - 7) \times (7 \times 7 + 7)) - (7 + 7)/7$
:= $8 \times 8 \times 8 \times 8 - (((8 + 8)/8 + 88) + 88)$
:= $999/9 + (9 \times ((9 + 9) \times (9 + 9) + 99))$
- 3919 := $((1 + 111) \times (1 + (1 + 11 \times (1 + 1 + 1)))) - 1$
:= $2 + ((2 \times ((2 \times 22)^2 + 22)) + 2/2)$
:= $3 + (((3 \times ((33/3)^3 - 3^3)) + 3/3) + 3)$
:= $((4 + 4)^4) - (4 \times 44 + 4/4)$
:= $(5^5 - 5)/5 + (55 \times (55 + 5) - 5)$
:= $6/6 + ((6 \times (666 - (6 + 6))) - 6)$
:= $((77 - 7) \times (7 \times 7 + 7)) - 7/7$
:= $8 \times 8 \times 8 \times 8 - ((88 + 88) + 8/8)$
:= $9 + ((9/9 + 9) \times (((99/9 + 9)^{(9+9)/9}) - 9))$
- 3920 := $(1 + 111) \times (1 + (1 + 11 \times (1 + 1 + 1)))$
:= $2 \times (((2 \times 22)^2 + 22) + 2)$
:= $33 + ((3 \times ((3 + 3)^{3/3+3})) - 3/3)$
:= $4 \times (4 \times 4^4 - 44)$
:= $((5 + 5)/5 + 5) \times (555 + 5)$
:= $(6 \times 6 - 6/6) \times (666 + 6)/6$
:= $(77 - 7) \times (7 \times 7 + 7)$
:= $8 \times 8 \times 8 \times 8 - (88 + 88)$
:= $(99 - 9/9) \times ((9 \times 9 \times 9 - 9)/(9 + 9))$
- 3921 := $1 + ((1 + 111) \times (1 + (1 + 11 \times (1 + 1 + 1))))$
:= $2/2 + (2 \times ((2 \times 22)^2 + 22) + 2)$
:= $3 \times (((33/3)^3 - 3^3) + 3)$
:= $4/4 + (4 \times (4 \times 4^4 - 44))$
:= $5/5 + (((5 + 5)/5 + 5) \times (555 + 5))$
:= $6 \times (666 + 6) - 666/6$
:= $7/7 + ((77 - 7) \times (7 \times 7 + 7))$
:= $8 \times (8 \times 8 \times 8 - 8) - 888/8$
:= $9 + ((99 + 9)/9 \times ((9 + 9) \times (9 + 9) + ((9 + 9)/9)))$
- 3922 := $1 + (1 + ((1 + 111) \times (1 + (1 + 11 \times (1 + 1 + 1)))))$
:= $2 + (2 \times ((2 \times 22)^2 + 22) + 2)$
:= $3/3 + ((3 \times ((3 + 3)^{3/3+3})) + 33)$
:= $((4 + 4)^4) + ((4 + 4)/4 - 4 \times 44)$
:= $((5 + 5)/5)^5 + 5 \times (555/5 - 5)$
:= $(6 \times (666 - (6 + 6))) - (6 + 6)/6$
:= $(7 + 7)/7 + ((77 - 7) \times (7 \times 7 + 7))$
:= $((8 - 888)/8) + 8 \times (8 \times 8 \times 8 - 8)$
:= $9 + ((9 \times (9 + 9) \times (9 + 9) - ((9 + 9)/9)) + 999)$
- 3923 := $((1 + 1 + 1) \times ((1 + 11) \times (111 - 1 - 1))) - 1$
:= $2 + ((2 \times (((2 \times 22)^2 + 22) + 2)) + 2/2)$
:= $33/3 + (3 \times ((33/3)^3 - 3^3))$
:= $4 + (((4 + 4)^4) - (4 \times 44 + 4/4))$
:= $5^5 + (((5 - (5 + 5)/5)^5) + 555)$
:= $(6 \times (666 - (6 + 6))) - 6/6$
:= $(7 + 7 + 7)/7 + ((77 - 7) \times (7 \times 7 + 7))$
:= $8 + ((8 \times (8 \times 8 \times 8 - (8 + 8 + 8))) + (88/8))$
:= $9 + ((9 \times (9 + 9) \times (9 + 9) - 9/9) + 999)$
- 3924 := $(1 + 1 + 1) \times ((1 + 11) \times (111 - 1 - 1))$
:= $2 \times (((2 \times 22)^2 + 22) + 2) + 2$
:= $(3 + 3) \times ((3 \times (3 + 3)^3 + 3) + 3)$
:= $4 + (4 \times (4 \times 4^4 - 44))$
:= $(5^5 - 5)/5 + 55 \times (55 + 5)$
:= $6 \times (666 - (6 + 6))$
:= $77/7 + (((77 - 7) \times (7 \times 7 + 7)) - 7)$
:= $8 + ((8/8 + 88) \times (88/((8 + 8)/8)))$
:= $9 + (9 \times (9 + 9) \times (9 + 9) + 999)$
- 3925 := $1 + ((1 + 1 + 1) \times ((1 + 11) \times (111 - 1 - 1)))$
:= $((2^{2+2+2} - 2/2)^2) - (2 \times 22)$
:= $3/3 + ((3 + 3) \times ((3 \times (3 + 3)^3 + 3) + 3))$
:= $4 + ((4 \times (4 \times 4^4 - 44)) + 4/4)$
:= $5 \times (((5^5 - 5)/5) / (5 - 5/5)) + 5$
:= $6/6 + (6 \times (666 - (6 + 6)))$
:= $7 + (((77 - 7) \times (7 \times 7 + 7)) - ((7 + 7)/7))$
:= $8 \times 8 \times 8 \times 8 - ((8/8 + 8) \times (88/8 + 8))$
:= $((9 - 9/9) \times (((9 + 9)/9)^9 - 9)) - 99$
- 3926 := $((1 + 1)^{1+1+1}) - (1 + (1 + 1 + 11)^{1+1})$
:= $2 + (2 \times (((2 \times 22)^2 + 22) + 2) + 2)$
:= $(3 \times (33/3)^3) - (((3/3 + 3)^3) + 3)$
:= $4 + (((4 + 4)/4 - 4 \times 44) + ((4 + 4)^4))$
:= $(5^5 + 5)/5 + 55 \times (55 + 5)$
:= $(6 + 6)/6 + (6 \times (666 - (6 + 6)))$
:= $7 + (((77 - 7) \times (7 \times 7 + 7)) - 7/7)$
:= $8 + (8 \times 8 \times 8 \times 8 - ((8 + 8)/8 + 88) + 88)$
:= $99/9 + (9 \times (9 + 9) \times (9 + 9) + 999)$
- 3927 := $11 \times ((1 + 1 + 1) \times (11^{1+1} - (1 + 1)))$
:= $22/2 + (2 \times ((2 \times 22)^2 + 22))$
:= $3 + ((3 + 3) \times ((3 \times (3 + 3)^3 + 3) + 3))$
:= $4 + (((4 + 4)^4) - (4 \times 44 + 4/4)) + 4$
:= $((5 + 5)/5 + 5) \times ((555 + 5/5) + 5)$
:= $6 + (6 \times (666 + 6) - 666/6)$
:= $7 + ((77 - 7) \times (7 \times 7 + 7))$
:= $8 + (8 \times 8 \times 8 \times 8 - ((88 + 88) + 8/8))$
:= $9 + ((9 \times ((9 + 9) \times (9 + 9) + 99)) + 999/9)$

- ▶ 3928 := $1 + (11 \times ((1 + 1 + 1) \times (11^{1+1} - (1 + 1))))$
:= $2 \times (((2 \times 22)^2 + 22) + 2) + 2$
:= $3 + (((3 + 3) \times ((3 \times (3 + 3)^3 + 3) + 3)) + 3/3)$
:= $4 + ((4 \times (4 \times 4^4 - 44)) + 4)$
:= $5 + (((5 - (5 + 5)/5)^5) + 555) + 5^5$
:= $(6 \times 666) - (((6 + 6)/6) + 66)$
:= $7 + (((77 - 7) \times (7 \times 7 + 7)) + 7/7)$
:= $8 + (8 \times 8 \times 8 \times 8 - 88 - 88)$
:= $(9 - 9/9) \times (((9 \times 999 + 9)/(9 + 9)) - 9)$
- ▶ 3929 := $1 + (1 + (11 \times ((1 + 1 + 1) \times (11^{1+1} - (1 + 1))))$
:= $2 + ((2 \times ((2 \times 22)^2 + 22)) + 22/2)$
:= $(3 \times (33/3)^3) - ((3/3 + 3)^3)$
:= $4 + (((4 \times (4 \times 4^4 - 44)) + 4/4) + 4)$
:= $5 + (55 \times (55 + 5) + (5^5 - 5)/5)$
:= $(6 \times 666) - (66 + 6/6)$
:= $7 + (((77 - 7) \times (7 \times 7 + 7)) + ((7 + 7)/7))$
:= $8 + (8 \times (8 \times 8 \times 8 - 8) - 888/8)$
:= $9 + ((99 - 9/9) \times ((9 \times 9 \times 9 - 9)/(9 + 9)))$
- ▶ 3930 := $(11 - 1) \times ((1 + 1 + 1) \times ((11 \times (1 + 11)) - 1))$
:= $(2 \times ((2 \times (2 \times (22^2 + 2))) + 22)) - 2$
:= $3 \times (((33/3)^3 - 3^3) + 3) + 3$
:= $((4 + 4^4) + ((44 - 4)/4 - 4 \times 44))$
:= $5 + ((5 \times (5 \times ((5 + 5)/5)^5) + 5^5)$
:= $(6 \times 666) - 66$
:= $((77 - 7)/7) + ((77 - 7) \times (7 \times 7 + 7))$
:= $8 + (((8 - 888)/8) + 8 \times (8 \times 8 \times 8 - 8))$
:= $9 + (((99 + 9)/9 \times ((9 + 9) \times (9 + 9) + ((9 + 9)/9))) + 9)$
- ▶ 3931 := $1 + ((11 - 1) \times ((1 + 1 + 1) \times ((11 \times (1 + 11)) - 1)))$
:= $22/2 + (2 \times (((2 \times 22)^2 + 22) + 2))$
:= $((3/3 + 3)^{3+3}) - ((3 + 3) \times 3^3 + 3)$
:= $44/4 + (4 \times (4 \times 4^4 - 44))$
:= $5 + (55 \times (55 + 5) + (5^5 + 5)/5)$
:= $6/6 + ((6 \times 666) - 66)$
:= $77/7 + ((77 - 7) \times (7 \times 7 + 7))$
:= $88/8 + (8 \times 8 \times 8 \times 8 - 88 - 88)$
:= $((99/9 + 9) \times ((99 - 9/9) + 99)) - 9$
- ▶ 3932 := $(1 + 1) \times ((1 + 1)^{11} - (1 + (11 - 1 - 1)^{1+1}))$
:= $2 \times ((2 \times (2 \times (22^2 + 2))) + 22)$
:= $3 + ((3 \times (33/3)^3) - ((3/3 + 3)^3))$
:= $((4 + 4^4) + ((4 \times (4 - 44)) - 4))$
:= $5 + (55 \times (55 + 5) + (5^5 + 5 + 5)/5)$
:= $(6 \times 666) - ((6 + 6)/6)^6$
:= $(77 + 7)/7 + ((77 - 7) \times (7 \times 7 + 7))$
:= $8 \times 8 + ((88 \times 88 - 8)/(8 + 8)/8)$
:= $(9 \times ((9 \times 9 \times 99 + 9)/(9 + 9)) - 9) - 9/9$
- ▶ 3933 := $(1 + 1 + 1) \times (1 + 1 + 11 \times (11^{1+1} - 1 - 1))$
:= $(22 + 2/2) \times (((22/2 + 2)^2) + 2)$
:= $3 \times (((3 + 3) \times ((3 + 3)^3 + 3)) - 3)$
:= $4/4 + (((4 \times (4 - 44)) - 4) + ((4 + 4)^4))$
:= $55 + (((5 + 5)/5 + 5) \times (555 - 5/5))$
:= $6/6 + ((6 \times 666) - ((6 + 6)/6)^6)$
:= $777/7 + (7 \times (7 \times 77 + 7))$
:= $(8/8 + 8) \times (8 \times (8 \times 8 - 8) - (88/8))$
:= $9 \times (((9 \times 9 \times 99 + 9)/(9 + 9)) - 9)$
- ▶ 3934 := $(1 + 1) \times ((1 + 1)^{11} - (11 - 1 - 1)^{1+1})$
:= $2 + (2 \times ((2 \times (2 \times (22^2 + 2))) + 22))$
:= $((3/3 + 3)^{3+3}) - (3 + 3) \times 3^3$
:= $((4 + 4^4) + ((4 \times (4 - 44)) - (4 + 4)/4))$
:= $5 + ((55 \times (55 + 5) + (5^5 - 5)/5) + 5)$
:= $6 + ((6 \times 666) - (((6 + 6)/6) + 66))$
:= $7 + (((77 - 7) \times (7 \times 7 + 7)) + 7)$
:= $(8 - 88)/8 + (8 \times (8 \times 8 \times 8 - 8) - 88)$
:= $((9 - 9/9) \times ((9 + 9)/9)^9) - 9 \times (9 + 9)$
- ▶ 3935 := $1 + ((1 + 1) \times ((1 + 1)^{11} - (11 - 1 - 1)^{1+1}))$
:= $2 + ((22 + 2/2) \times (((22/2 + 2)^2) + 2))$
:= $3 + (((3 \times (33/3)^3) - ((3/3 + 3)^3)) + 3)$
:= $((4 + 4^4) + ((4 \times (4 - 44)) - 4/4))$
:= $5^5 + ((5 + 5 + 5) \times (55 - 5/5))$
:= $6 + ((6 \times 666) - (66 + 6/6))$
:= $7 + (((77 - 7) \times (7 \times 7 + 7)) + 7/7 + 7)$
:= $8 \times (8 \times 8 \times 8 - 8) - ((8/8 + 88) + 8)$
:= $9 + ((9 \times (9 + 9) \times (9 + 9) + (99/9)) + 999)$
- ▶ 3936 := $(1 + 11) \times (1 + ((1 + 1 + 1) \times (111 - 1 - 1)))$
:= $2 \times ((2 \times 22)^2 + 2 \times 2^{2+2})$
:= $3 + (3 \times (((3 + 3) \times ((3 + 3)^3 + 3)) - 3))$
:= $4 \times ((4 \times 4^4 - 44) + 4)$
:= $(5/5 + 5) \times (((5^5 + 5)/5 + 5 \times 5) + 5)$
:= $6 + ((6 \times 666) - 66)$
:= $(7/7 + 7) \times (7 \times (77 - 7) + ((7 + 7)/7))$
:= $8 \times (88 \times 88/(8 + 8) + 8)$
:= $(9 - 9/9) \times (((9 + 9)/9)^9) - (99/9 + 9)$
- ▶ 3937 := $1 + ((1 + 11) \times (1 + ((1 + 1 + 1) \times (111 - 1 - 1))))$
:= $22 + ((2 \times ((2 \times 22)^2 + 22)) - 2/2)$
:= $3 + (((3/3 + 3)^{3+3}) - (3 + 3) \times 3^3)$
:= $4/4 + ((4 \times (4 - 44)) + ((4 + 4)^4))$
:= $5^5 + (((5 + 5)/5 + 5) \times (555/5 + 5))$
:= $6 + (((6 \times 666) - 66) + 6/6)$
:= $7 + (((77 - 7) \times (7 \times 7 + 7)) + ((77 - 7)/7))$
:= $8/8 + (8 \times (88 \times 88/(8 + 8) + 8))$
:= $9 + ((9 - 9/9) \times (((9 \times 999 + 9)/(9 + 9)) - 9))$
- ▶ 3938 := $11 \times (1 + ((1 + 1 + 1) \times (11^{1+1} - (1 + 1))))$
:= $22 + (2 \times ((2 \times 22)^2 + 22))$
:= $(3 \times ((33/3)^3 + 3)) - ((3/3 + 3)^3)$
:= $((4 + 4^4) + ((4 \times (4 - 44)) + (4 + 4)/4))$
:= $55 + (((5/5 + 5)^5)/(5 + 5)/5) - 5$
:= $6 + ((6 \times 666) - ((6 + 6)/6)^6)$
:= $7 + (((77 - 7) \times (7 \times 7 + 7)) + (77/7))$
:= $(8 + 8)/8 + (8 \times (88 \times 88/(8 + 8) + 8))$
:= $((99 + 99)/9) \times ((9 \times 9 - 9/9) + 99)$
- ▶ 3939 := $1 + (11 \times (1 + ((1 + 1 + 1) \times (11^{1+1} - (1 + 1))))$
:= $((2 \times 2 \times 22 + 2)^2) - 222/2$
:= $3 \times ((33/3)^3 - (3 \times (3 + 3)))$
:= $4 + (((4 \times (4 - 44)) - 4/4) + ((4 + 4)^4))$
:= $5^5 + (55 \times (5 + 5 + 5) - (55/5))$
:= $6 + (((6 \times 666) - ((6 + 6)/6)^6) + 6/6)$
:= $(7 \times (7 \times (77 + 7) - 7)) - ((7 + 7)/7)^7$
:= $8 + ((8 \times 8 \times 8 - 88 - 88) + (88/8))$
:= $99 + ((99/9 + 9) \times (999/9 + 9 \times 9))$
- ▶ 3940 := $((1 + 1)^{1+11}) - ((1 + 11) \times (1 + 1 + 11))$
:= $2 + ((2 \times ((2 \times 22)^2 + 22)) + 22)$
:= $3/3 + (3 \times ((33/3)^3 - (3 \times (3 + 3))))$
:= $4 + ((4 \times (4 - 44)) + ((4 + 4)^4))$
:= $55 + (555 \times ((5 + 5)/5 + 5))$
:= $((66 - 6)/6) + ((6 \times 666) - 66)$
:= $7 + ((7 \times (7 \times 77 + 7)) + 777/7)$
:= $8 \times 8 + ((88 \times 88 + 8)/(8 + 8)/8)$
:= $(99/9 + 9) \times ((99 - 9/9) + 99)$
- ▶ 3941 := $((1 + 1)^{1+11}) - (11 + (1 + 11)^{1+1})$
:= $2 + (((2 \times 2 \times 22 + 2)^2) - 222/2)$
:= $(3 \times ((3 + 3) \times ((3 + 3)^3 + 3))) - 3/3$
:= $((4 + 4^4) - (444/4 + 44))$
:= $5 + (((55 + 5^5)/5) + 55 \times (55 + 5))$
:= $66/6 + ((6 \times 666) - 66)$
:= $7 + (((77 - 7) \times (7 \times 7 + 7)) + 7) + 7$
:= $8 + ((8/8 + 8) \times (8 \times (8 \times 8 - 8) - (88/8)))$
:= $((9 + 9) \times ((999/9 + 99) + 9)) - 9/9$
- ▶ 3942 := $((1 + 1)^{1+11}) - (11 \times (1 + (1 + 1 + 11)))$
:= $22 + (2 \times ((2 \times 22)^2 + 22) + 2)$
:= $3 \times ((3 + 3) \times ((3 + 3)^3 + 3))$
:= $((4 + 4^4) + (((4 - 444)/4) - 44))$
:= $(5/5 + 5) \times (((5 + 5)/5)^5 + 5^5/5)$
:= $6 + (((6 \times 666) - 66) + 6)$
:= $7 + (((77 - 7) \times (7 \times 7 + 7)) + 7/7) + 7 + 7$
:= $8 \times (8 \times 8 \times 8 - 8) - ((8 + 8)/8 + 88)$
:= $(9 + 9) \times ((999/9 + 99) + 9)$

$$\begin{aligned}
\blacktriangleright 3943 &:= 1 + (((1+1)^{1+11}) - (11 \times (1 + (1+1+11)))) \\
&:= 222 + ((2^{2+2+2} - (2/2 + 2)^2) \\
&:= 3/3 + (3 \times ((3+3) \times ((3+3)^3 + 3))) \\
&:= 4 + (((4 \times (4-44)) - 4/4) + ((4+4)^4) + 4) \\
&:= 55 + ((5/5 + 5)^5 / ((5+5)/5)) \\
&:= (6 \times (666 - 6)) - (66/6 + 6) \\
&:= ((7+7)/7)^7 + ((7 \times (7 \times 77 + 7)) - 7) \\
&:= 8 \times (8 \times 8 \times 8 - 8) - (8/8 + 88) \\
&:= (9 - 9/9) \times (((9+9)/9)^9 - 9) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3944 &:= 1 + (1 + (((1+1)^{1+11}) - (11 \times (1 + (1+1+11)))))) \\
&:= 2 \times ((2 \times 22)^2 + (2 + 2 + 2)^2) \\
&:= 3 + ((3 \times ((3+3) \times ((3+3)^3 + 3))) - 3/3) \\
&:= 4 + (((4 \times (4-44)) + ((4+4)^4) + 4) \\
&:= 5^5 + (55 \times (5 + 5 + 5) - (5/5 + 5)) \\
&:= 6 + (((6 \times 666) - ((6+6)/6)^6) + 6) \\
&:= (7/7 + 7) \times (7 \times (77 - 7) + ((7+7+7)/7)) \\
&:= 8 \times (8 \times 8 \times 8 - 8) - 88 \\
&:= (9 - 9/9) \times (((9+9)/9)^9 - (9/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3945 &:= 11 + ((1+1) \times ((1+1)^{11} - (11 - 1 - 1)^{1+1})) \\
&:= ((2^{2+2+2} - 2/2)^2) - (22 + 2) \\
&:= 3 + (3 \times ((3+3) \times ((3+3)^3 + 3))) \\
&:= 4 + (((4+4)^4) - (444/4 + 44)) \\
&:= 5^5 + (55 \times (5 + 5 + 5) - 5) \\
&:= 66 + ((6 \times 666) - (666/6 + 6)) \\
&:= 7 + (((77 - 7) \times (7 \times 7 + 7)) + (77/7) + 7) \\
&:= 8/8 + (8 \times (8 \times 8 \times 8 - 8) - 88) \\
&:= 9 + ((9 - 9/9) \times (((9+9)/9)^9 - (99/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3946 &:= ((1+11) \times (((1+1+1) \times (111 - 1) - 1)) - 1 - 1) \\
&:= 2 + (2 \times ((2 \times 22)^2 + (2 + 2 + 2)^2)) \\
&:= 3 + ((3 \times ((3+3) \times ((3+3)^3 + 3))) + 3/3) \\
&:= ((4+4)^4) - ((44+4^4)/(4+4)/4) \\
&:= 5^5 + ((55 \times (5 + 5 + 5) - 5) + 5/5) \\
&:= 66 + (((6+6)/6)^{6+6}) - 6 \times 6 \times 6 \\
&:= 7 + ((7 \times (7 \times (77 + 7) - 7)) - ((7+7)/7)^7) \\
&:= (8+8)/8 + (8 \times (8 \times 8 \times 8 - 8) - 88) \\
&:= 9999/9 + (9 \times ((9+9) \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3947 &:= ((1+11) \times (((1+1+1) \times (111 - 1) - 1)) - 1) - 1 \\
&:= ((2^{2+2+2} - 2/2)^2) - 22 \\
&:= 3 + (((3 \times ((3+3) \times ((3+3)^3 + 3))) - 3/3) + 3) \\
&:= 44/4 + ((4 \times (4-44)) + ((4+4)^4)) \\
&:= 5 + ((5/5 + 5) \times (((5+5)/5)^5 + 5^5/5)) \\
&:= (6 \times (666 - 6)) - (6/6 + 6 + 6) \\
&:= 77 + ((7 \times ((7 \times 77 + 7) + 7)) - 7/7) \\
&:= 88/8 + (8 \times (88 \times 88 / (8+8) + 8)) \\
&:= 9 + (((99+99)/9) \times ((9 \times 9 - 9/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3948 &:= (1+11) \times (((1+1+1) \times (111 - 1)) - 1) \\
&:= 2 \times (((2 \times 22)^2 + (2 + 2 + 2)^2) + 2) \\
&:= 3 + ((3 \times ((3+3) \times ((3+3)^3 + 3))) + 3) \\
&:= (4 \times ((4 \times (4^4 - 4 - 4)) - 4)) - 4 \\
&:= 5 + (((5/5 + 5)^5 / ((5+5)/5)) + 55) \\
&:= (6 \times (666 - 6)) - 6 - 6 \\
&:= 77 + (7 \times ((7 \times 77 + 7) + 7)) \\
&:= 8 + (((88 \times 88 + 8) / ((8+8)/8)) + 8 \times 8) \\
&:= 9 \times 9 \times 9 + (999/9 \times (99/9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3949 &:= 11 \times (((1+1+1) \times (11^{1+1} - 1)) - 1) \\
&:= 2 + (((2^{2+2+2} - 2/2)^2) - 22) \\
&:= 33/3 \times ((333 - 3/3) + 3^3) \\
&:= 4/4 + ((4 \times ((4 \times (4^4 - 4 - 4)) - 4)) - 4) \\
&:= 5^5 + (55 \times (5 + 5 + 5) - 5/5) \\
&:= (6 \times (666 - 6)) - 66/6 \\
&:= 7/7 + ((7 \times ((7 \times 77 + 7) + 7)) + 77) \\
&:= (8 \times (8 \times 8 \times 8 - 8) - (88/8 + 8)) \\
&:= 9 + ((99/9 + 9) \times ((99 - 9/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3950 &:= 1 + (11 \times (((1+1+1) \times (11^{1+1} - 1)) - 1)) \\
&:= (2 \times ((2 \times 22)^2 + 2 \times (22 - 2))) - 2 \\
&:= (3 \times ((33/3)^3 - 3)) - 3/3 - 33 \\
&:= ((4+4)^4) + ((444 - 4)/4 - 4^4) \\
&:= 5^5 + 55 \times (5 + 5 + 5) \\
&:= (6 - 66)/6 + (6 \times (666 - 6)) \\
&:= ((7+7)/7)^7 + (7 \times (7 \times 77 + 7)) \\
&:= 8 + (8 \times (8 \times 8 \times 8 - 8) - ((8+8)/8 + 88)) \\
&:= (9/9 + 9) \times (((9+9)/9)^9 - (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3951 &:= ((1+1)^{1+11}) - (1 + (1+11)^{1+1}) \\
&:= (2/2 + 2)^2 \times (((22 - 2/2)^2) - 2) \\
&:= 3 \times (((3+3) \times ((3+3)^3 + 3)) + 3) \\
&:= ((4+4)^4) + (444/4 - 4^4) \\
&:= 5^5 + (55 \times (5 + 5 + 5) + 5/5) \\
&:= 66 + ((6 \times 666) - 666/6) \\
&:= 7/7 + ((7 \times (7 \times 77 + 7)) + ((7+7)/7)^7) \\
&:= 8 + (8 \times (8 \times 8 \times 8 - 8) - (8/8 + 88)) \\
&:= ((9 \times 9 - (9+9))^{(9+9)/9}) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3952 &:= ((1+1)^{1+11}) - (1+11)^{1+1} \\
&:= 2 \times ((2 \times 22)^2 + 2 \times (22 - 2)) \\
&:= 3/3 + (3 \times (((3+3) \times ((3+3)^3 + 3)) + 3)) \\
&:= 4 \times ((4 \times (4^4 - 4 - 4)) - 4) \\
&:= 5^5 + (55 \times (5 + 5 + 5) + ((5+5)/5)) \\
&:= (((6+6)/6)^{6+6}) - (6+6) \times (6+6) \\
&:= (77 - 7/7) \times (((7+7+7)/7) + 7 \times 7) \\
&:= 8 + (8 \times (8 \times 8 \times 8 - 8) - 88) \\
&:= (9 - 9/9) \times (((9+9)/9)^9 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3953 &:= 1 + (((1+1)^{1+11}) - (1+11)^{1+1}) \\
&:= (2/2 + 2)^{2+2} + (2 \times (2 \times 22)^2) \\
&:= 33/3 + (3 \times ((3+3) \times ((3+3)^3 + 3))) \\
&:= 4/4 + (4 \times ((4 \times (4^4 - 4 - 4)) - 4)) \\
&:= 5 + (((5/5 + 5)^5 / ((5+5)/5)) + 55) + 5 \\
&:= (6 \times (666 - 6)) - 6/6 - 6 \\
&:= 77 + ((77 - 7/7) \times ((7+7)/7 + 7 \times 7)) \\
&:= ((8 \times 8 - 8/8)^{(8+8)/8}) - 8 - 8 \\
&:= 9/9 + ((9 - 9/9) \times (((9+9)/9)^9 - (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3954 &:= 1 + (1 + (((1+1)^{1+11}) - (1+11)^{1+1})) \\
&:= 2 + (2 \times ((2 \times 22)^2 + 2 \times (22 - 2))) \\
&:= 3 + (3 \times ((3+3) \times ((3+3)^3 + 3)) + 3) \\
&:= (4+4)/4 + (4 \times ((4 \times (4^4 - 4 - 4)) - 4)) \\
&:= 5 + ((55 \times (5 + 5 + 5) - 5/5) + 5^5) \\
&:= (6 \times (666 - 6)) - 6 \\
&:= 7 + (((7 \times ((7 \times 77 + 7) + 7)) - 7/7) + 77) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 8) - 88) + ((8+8)/8)) \\
&:= (9 \times 9 \times 99 - 999/9) / ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3955 &:= (1+1+111) \times (1 + (1+11 \times (1+1+1))) \\
&:= 222/2 + ((2^{2+2+2} - 2)^2) \\
&:= (3 \times (33/3)^3) - (33/3 + 3^3) \\
&:= 4 + ((444/4 - 4^4) + ((4+4)^4)) \\
&:= 5 + (55 \times (5 + 5 + 5) + 5^5) \\
&:= 6/6 + ((6 \times (666 - 6)) - 6) \\
&:= 7 + ((7 \times ((7 \times 77 + 7) + 7)) + 77) \\
&:= 88/8 + (8 \times (8 \times 8 \times 8 - 8) - 88) \\
&:= 9 + ((9 \times ((9+9) \times (9+9) - 9)) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3956 &:= (1+1) \times ((1+1) \times ((11-1)^{1+1+1} - 11)) \\
&:= 2 \times (((2 \times 22)^2 - 2) + 2 \times 22) \\
&:= (3/3 + 3) \times ((3 \times (333 - 3)) - 3/3) \\
&:= 4 + (4 \times ((4 \times (4^4 - 4 - 4)) - 4)) \\
&:= 5 + ((55 \times (5 + 5 + 5) + 5^5) + 5/5) \\
&:= (6+6)/6 + ((6 \times (666 - 6)) - 6) \\
&:= (7 \times (7 \times (77 + 7) - 7)) - 777/7 \\
&:= 88 + ((88 \times 88 - 8) / ((8+8)/8)) \\
&:= ((9 \times 9 - 9) / (9+9)) \times (999 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3957 &:= (1+1+1) \times (11^{1+1+1} - (1+11)) \\
&:= 2 + (((2^{2+2+2} - 2)^2) + 222/2) \\
&:= 3 \times ((33/3)^3 - (3 \times 3 + 3)) \\
&:= (4 \times (4 \times (4^4 - 4 - 4))) - 44/4 \\
&:= 5^5 + ((5 \times 5 + 5/5) \times ((5+5)/5)^5) \\
&:= (6 \times (666 - 6)) - 6 \times 6 / (6+6) \\
&:= 7 + ((7 \times (7 \times 77 + 7)) + ((7+7)/7)^7) \\
&:= (8 \times (8 \times 8 \times 8 - 8) - 88/8) \\
&:= ((9 \times 9 - (9+9))^{(9+9)/9}) - (99 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3958 &:= 1 + ((1 + 1 + 1) \times (11^{1+1+1} - (1 + 11))) \\
&:= (2 \times 2222) - (22^2 + 2) \\
&:= 3/3 + (3 \times ((33/3)^3 - (3 \times 3 + 3))) \\
&:= (4 - 44)/4 + (4 \times (4 \times (4^4 - 4 - 4))) \\
&:= 5^5 + (((5^5 - 5)/(5 + 5 + 5)) + 5^5/5) \\
&:= (6 \times (666 - 6)) - (6 + 6)/6 \\
&:= (7 \times (7 \times (77 - 7) + 77)) - 77/7 \\
&:= (8 - 88)/8 + (8 \times (8 \times 8 \times 8 - 8 - 8)) \\
&:= ((9 \times 9 - (9 + 9))^{(9+9)/9}) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3959 &:= (11 \times ((1 + 1 + 1) \times (11^{1+1} - 1))) - 1 \\
&:= (2 \times 2222) - (22^2 + 2/2) \\
&:= (3 \times (33/3)^3) - 3/3 - 33 \\
&:= 4444 - ((44 \times 44 + 4)/4) \\
&:= ((55 + 5) \times (55/5 + 55)) - 5/5 \\
&:= (6 \times (666 - 6)) - 6/6 \\
&:= 7 + ((77 - 7/7) \times (((7 + 7 + 7)/7) + 7 \times 7)) \\
&:= (8 \times (8 \times 8 \times 8 - 8 - 8)) - (8/8 + 8) \\
&:= ((9 \times 9 - (9 + 9))^{(9+9)/9}) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3960 &:= 11 \times ((1 + 1 + 1) \times (11^{1+1} - 1)) \\
&:= 2 \times ((2 \times 22)^2 + 2 \times 22) \\
&:= (3 \times 3 + 3) \times (333 - 3) \\
&:= (4/4 + 4 + 4) \times (444 - 4) \\
&:= (55 + 5) \times (55/5 + 55) \\
&:= 6 \times (666 - 6) \\
&:= (77/7 + 7 \times 7) \times (77 - 77/7) \\
&:= (8 \times (8 \times 8 \times 8 - 8 - 8)) - 8 \\
&:= 9 \times (((9 + 9)/9)^9) - 9 \times 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3961 &:= 1 + (11 \times ((1 + 1 + 1) \times (11^{1+1} - 1))) \\
&:= 2/2 + (2 \times ((2 \times 22)^2 + 2 \times 22)) \\
&:= 3/3 + ((3 \times 3 + 3) \times (333 - 3)) \\
&:= (((4^4 - 4)/4)^{(4+4)/4}) - 4 - 4 \\
&:= 5^5 + (55 \times (5 + 5 + 5) + (55/5)) \\
&:= 6/6 + (6 \times (666 - 6)) \\
&:= 77 + (777/7 + 7 \times 7 \times 77) \\
&:= ((8 \times 8 - 8/8)^{(8+8)/8}) - 8 \\
&:= 9 + ((9 - 9/9) \times (((9 + 9)/9)^9) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3962 &:= 1 + (1 + (11 \times ((1 + 1 + 1) \times (11^{1+1} - 1)))) \\
&:= 2 + (2 \times ((2 \times 22)^2 + 2 \times 22)) \\
&:= 3 + ((3 \times (33/3)^3) - (3/3 + 33)) \\
&:= ((4 + 4)^4) - (((4^4 + 4)/(4 + 4)/4) + 4) \\
&:= ((5 + 5)/5 + 5) \times (555 + (55/5)) \\
&:= (6 + 6)/6 + (6 \times (666 - 6)) \\
&:= (7 \times (7 \times (77 - 7) + 77)) - 7 \\
&:= 8/8 + (((8 \times 8 - 8/8)^{(8+8)/8}) - 8) \\
&:= (9 + 9)/9 + (9 \times (((9 + 9)/9)^9) - 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3963 &:= (1 + 1 + 1) \times 1 + 11 \times (11^{1+1} - 1) \\
&:= ((2^{2+2+2} - 2/2)^2) - (2 + 2 + 2) \\
&:= 3 + ((3 \times 3 + 3) \times (333 - 3)) \\
&:= (4 \times (4 \times (4^4 - 4 - 4))) - (4/4 + 4) \\
&:= (((5 + 5)/5)^5 \times (5 \times 5 \times 5 - 5/5)) - 5 \\
&:= (6 \times 6/(6 + 6)) + (6 \times (666 - 6)) \\
&:= 7/7 + ((7 \times (7 \times (77 - 7) + 77)) - 7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 8) - 88) + (88/8)) \\
&:= 9 + ((9 \times 9 \times 99 - 999/9)/(9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3964 &:= ((1 + 1)^{1+11}) - (11 \times (1 + 11)) \\
&:= 2 \times (((2 \times 22)^2 + 2 \times 22) + 2) \\
&:= 3 + (((3 \times 3 + 3) \times (333 - 3)) + 3/3) \\
&:= (4 \times (4 \times (4^4 - 4 - 4))) - 4 \\
&:= ((5^5/5 + 5)/(5 + 5))^{(5+5)/5} - 5 \\
&:= 6 + ((6 \times (666 - 6)) - ((6 + 6)/6)) \\
&:= 7 + (((7 \times (7 \times 77 + 7)) + ((7 + 7)/7)^7) + 7) \\
&:= 88 + ((88 \times 88 + 8)/(8 + 8)/8) \\
&:= ((9 \times 9 - 9)/(9 + 9)) \times ((999 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3965 &:= 1 + (((1 + 1)^{1+11}) - (11 \times (1 + 11))) \\
&:= ((2^{2+2+2} - 2/2)^2) - 2 - 2 \\
&:= (3 \times (33/3)^3) - (3^3 + 3/3) \\
&:= (((4^4 - 4)/4)^{(4+4)/4}) - 4 \\
&:= 5 + ((55 + 5) \times (55/5 + 55)) \\
&:= 6 + ((6 \times (666 - 6)) - 6/6) \\
&:= 7 + ((7 \times (7 \times (77 - 7) + 77)) - (77/7)) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 8 - 8)) - (88/8)) \\
&:= ((9 \times (9 \times 99 - 9) - 9) + 9/9)/(9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3966 &:= 1 + (1 + (((1 + 1)^{1+11}) - (11 \times (1 + 11)))) \\
&:= 2 + (2 \times (((2 \times 22)^2 + 2 \times 22) + 2)) \\
&:= 3 \times ((33/3)^3 - 3 \times 3) \\
&:= ((4 + 4)^4) - ((4^4 + 4)/(4 + 4)/4) \\
&:= 5^5 + ((5 \times 5 - 5/5 + 5)^{(5+5)/5}) \\
&:= 6 + (6 \times (666 - 6)) \\
&:= 77 + ((7777 + 7/7)/(7 + 7)/7) \\
&:= (8 \times (8 \times 8 \times 8 - 8 - 8)) - (8 + 8)/8 \\
&:= ((9 \times 9 - (9 + 9))^{(9+9)/9}) - (9 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3967 &:= (((1 + 1 + 1) \times (11 + (11 - 1)))^{1+1}) - 1 - 1 \\
&:= ((2^{2+2+2} - 2/2)^2) - 2 \\
&:= 3/3 + (3 \times ((33/3)^3 - 3 \times 3)) \\
&:= (4 \times (4 \times (4^4 - 4 - 4))) - 4/4 \\
&:= 5 + (((5 + 5)/5 + 5) \times (555 + (55/5))) \\
&:= 6 + ((6 \times (666 - 6)) + 6/6) \\
&:= (7 \times (7 \times (77 - 7) + 77)) - (7 + 7)/7 \\
&:= (8 \times (8 \times 8 \times 8 - 8 - 8)) - 8/8 \\
&:= ((9 \times 9 - (9 + 9))^{(9+9)/9}) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3968 &:= (((1 + 1 + 1) \times (11 + (11 - 1)))^{1+1}) - 1 \\
&:= 2 \times ((2 \times 22)^2 + 2 \times (22 + 2)) \\
&:= 3 + ((3 \times (33/3)^3) - (3^3 + 3/3)) \\
&:= 4 \times (4 \times (4^4 - 4 - 4)) \\
&:= ((5 + 5)/5)^5 \times (5 \times 5 \times 5 - 5/5) \\
&:= 6 + ((6 \times (666 - 6)) + ((6 + 6)/6)) \\
&:= (7 \times (7 \times (77 - 7) + 77)) - 7/7 \\
&:= 8 \times (8 \times 8 \times 8 - 8 - 8) \\
&:= ((9 \times 9 - (9 + 9))^{(9+9)/9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3969 &:= ((1 + 1 + 1) \times (11 + (11 - 1)))^{1+1} \\
&:= (2^{2+2+2} - 2/2)^2 \\
&:= 3 + (3 \times ((33/3)^3 - 3 \times 3)) \\
&:= ((4^4 - 4)/4)^{(4+4)/4} \\
&:= ((5^5/5 + 5)/(5 + 5))^{(5+5)/5} \\
&:= (66 - (6 \times 6/(6 + 6)))^{(6+6)/6} \\
&:= 7 \times (7 \times (77 - 7) + 77) \\
&:= (8 \times 8 - 8/8)^{(8+8)/8} \\
&:= (9 \times 9 - (9 + 9))^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3970 &:= 1 + (((1 + 1 + 1) \times (11 + (11 - 1)))^{1+1}) \\
&:= 2/2 + ((2^{2+2+2} - 2/2)^2) \\
&:= 3 + ((3 \times ((33/3)^3 - 3 \times 3)) + 3/3) \\
&:= 4/4 + (((4^4 - 4)/4)^{(4+4)/4}) \\
&:= (5 \times ((55 + 5^5)/(5 - 5/5))) - 5 \\
&:= ((66 - 6)/6) + (6 \times (666 - 6)) \\
&:= 7/7 + (7 \times (7 \times (77 - 7) + 77)) \\
&:= 8/8 + ((8 \times 8 - 8/8)^{(8+8)/8}) \\
&:= 9/9 + ((9 \times 9 - (9 + 9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3971 &:= 11 \times (((1 + 1) \times (11 - 1)) - 1)^{1+1} \\
&:= 2 + ((2^{2+2+2} - 2/2)^2) \\
&:= 33/3 + ((3 \times 3 + 3) \times (333 - 3)) \\
&:= 4 + ((4 \times (4 \times (4^4 - 4 - 4))) - 4/4) \\
&:= (5 - 5/5)^{5/5+5} - 5 \times 5 \times 5 \\
&:= 66/6 + (6 \times (666 - 6)) \\
&:= (7 + 7)/7 + (7 \times (7 \times (77 - 7) + 77)) \\
&:= 88/8 + ((8 \times (8 \times 8 \times 8 - 8 - 8)) - 8) \\
&:= (9 + 9)/9 + ((9 \times 9 - (9 + 9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3972 &:= 1 + (11 \times (((1 + 1) \times (11 - 1)) - 1)^{1+1}) \\
&:= 2 \times ((2 \times 22 - 2)^2 + 222) \\
&:= (3 \times ((33/3)^3 - (3 + 3))) - 3 \\
&:= 4 + (4 \times (4 \times (4^4 - 4 - 4))) \\
&:= 5^5 + (((555 + 555) + 5^5)/5) \\
&:= 6 + ((6 \times (666 - 6)) + 6) \\
&:= (7 + 7 + 7)/7 + (7 \times (7 \times (77 - 7) + 77)) \\
&:= (8/(8 + 8)/8) + (8 \times (8 \times 8 \times 8 - 8 - 8)) \\
&:= ((9 + 9 + 9)/9) + ((9 \times 9 - (9 + 9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3973 &:= ((1+1)^{1+11}) - (1+(1+11^{1+1})) \\
&:= 2 + (((2^{2+2+2} - 2/2)^2) + 2) \\
&:= (3 \times ((33/3)^3 - 3)) - 33/3 \\
&:= 4 + (((4^4 - 4)/4)^{(4+4)/4}) \\
&:= 5 + (((5+5)/5)^5 \times (5 \times 5 \times 5 - 5/5)) \\
&:= 6 + (((6 \times (666 - 6)) + 6/6) + 6) \\
&:= 77/7 + ((7 \times (7 \times (77 - 7) + 77)) - 7) \\
&:= 8 + (((8 \times (8 \times 8 \times 8 - 8 - 8)) - (88/8)) + 8) \\
&:= ((9 \times (9 \times 99 - 9) - 9/9) + 9)/((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3974 &:= ((1+1)^{1+11}) - (1+11^{1+1}) \\
&:= (222 \times (2^{2+2} + 2)) - 22 \\
&:= (3 \times ((33/3)^3 - (3+3))) - 3/3 \\
&:= ((4+4)^4) - ((444+44)/4) \\
&:= 5 + ((5^5/5+5)/(5+5))^{(5+5)/5} \\
&:= (6 \times 666) - ((66+66)/6) \\
&:= 7 + ((7 \times (7 \times (77 - 7) + 77)) - ((7+7)/7)) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 8 - 8)) - ((8+8)/8)) \\
&:= ((9 \times (9 \times 99 - 9) + 9/9) + 9)/((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3975 &:= ((1+1)^{1+11}) - 11^{1+1} \\
&:= (2^{2 \times (2+2+2)}) - (22/2)^2 \\
&:= 3 \times ((33/3)^3 - (3+3)) \\
&:= ((4+4)^4) - ((44/4)^{(4+4)/4}) \\
&:= 5 \times ((55+5^5)/(5-5/5)) \\
&:= 6 + ((66 - (6 \times 6/(6+6)))^{(6+6)/6}) \\
&:= 7 + ((7 \times (7 \times (77 - 7) + 77)) - 7/7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 8 - 8)) - 8/8) \\
&:= 9 + (((9 \times 9 - (9+9))^{(9+9)/9}) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3976 &:= 1 + (((1+1)^{1+11}) - 11^{1+1}) \\
&:= 2 \times (2 \times ((2 \times (22^2 + 2)) + 22)) \\
&:= 3/3 + (3 \times ((33/3)^3 - (3+3))) \\
&:= 4 + ((4 \times (4 \times (4^4 - 4 - 4))) + 4) \\
&:= 5 + ((5 - 5/5)^{5/5+5} - 5 \times 5 \times 5) \\
&:= 6 + ((6 \times (666 - 6)) + ((66 - 6)/6)) \\
&:= 7 + (7 \times (7 \times (77 - 7) + 77)) \\
&:= 8 + (8 \times (8 \times 8 \times 8 - 8 - 8)) \\
&:= 9 + (((9 \times 9 - (9+9))^{(9+9)/9}) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3977 &:= 1 + (1 + (((1+1)^{1+11}) - 11^{1+1})) \\
&:= 2 + ((2^{2 \times (2+2+2)}) - (22/2)^2) \\
&:= 3 + ((3 \times ((33/3)^3 - (3+3))) - 3/3) \\
&:= 4 + (((4^4 - 4)/4)^{(4+4)/4}) + 4 \\
&:= (5+5)/5 + (5 \times ((55+5^5)/(5-5/5))) \\
&:= 6 + ((6 \times (666 - 6)) + (66/6)) \\
&:= 7 + ((7 \times (7 \times (77 - 7) + 77)) + 7/7) \\
&:= 8 + ((8 \times 8 - 8/8)^{(8+8)/8}) \\
&:= 9 + (((9 \times 9 - (9+9))^{(9+9)/9}) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3978 &:= 1 + (1 + (1 + (((1+1)^{1+11}) - 11^{1+1}))) \\
&:= (2/2 + 2)^2 \times (2 \times 222 - 2) \\
&:= 3 + (3 \times ((33/3)^3 - (3+3))) \\
&:= 4 + (((4+4)^4) - ((444+44)/4)) \\
&:= 5 + (((5+5)/5)^5 \times (5 \times 5 \times 5 - 5/5)) + 5 \\
&:= (6 \times 666) - 6 - 6 - 6 \\
&:= (7/7 + 77) \times ((7+7)/7 + 7 \times 7) \\
&:= 8 + (((8 \times 8 - 8/8)^{(8+8)/8}) + 8/8) \\
&:= 9 + ((9 \times 9 - (9+9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3979 &:= ((1+1+1) \times (11^{1+1+1} - 1)) - 11 \\
&:= 222/2 + (2 \times ((2 \times 22)^2 - 2)) \\
&:= (3 \times ((33/3)^3) - (33/3 + 3)) \\
&:= 44/4 + (4 \times (4 \times (4^4 - 4 - 4))) \\
&:= 5 + (((5^5/5+5)/(5+5))^{(5+5)/5} + 5) \\
&:= (6 \times 666) - (66/6 + 6) \\
&:= 7/7 + ((7/7 + 77) \times ((7+7)/7 + 7 \times 7)) \\
&:= 88/8 + (8 \times (8 \times 8 \times 8 - 8 - 8)) \\
&:= 9 + (((9 \times 9 - (9+9))^{(9+9)/9}) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3980 &:= 1 + (((1+1+1) \times (11^{1+1+1} - 1)) - 11) \\
&:= (2 - 22) \times ((2 - (22 - 2)^2)/2) \\
&:= (3 \times ((33/3)^3 - 3)) - (3/3 + 3) \\
&:= (4 \times ((4 \times (4^4 - 4 - 4)) + 4)) - 4 \\
&:= 5 + (5 \times ((55+5^5)/(5-5/5))) \\
&:= (6 - 66)/6 + ((6 \times 666) - 6) \\
&:= 77/7 + (7 \times (7 \times (77 - 7) + 77)) \\
&:= 88/8 + ((8 \times 8 - 8/8)^{(8+8)/8}) \\
&:= 99/9 + ((9 \times 9 - (9+9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3981 &:= ((1+1+1) \times 11^{1+1+1}) - 1 - 11 \\
&:= 222/2 + ((2 \times (2 \times 22)^2) - 2) \\
&:= (3 \times ((33/3)^3 - 3)) - 3 \\
&:= ((4+4)^4) - (444/4 + 4) \\
&:= 5 + (((5-5/5)^{5/5+5} - 5 \times 5 \times 5) + 5) \\
&:= (6 \times 666) + (6 - 6 \times 6)/((6+6)/6) \\
&:= (7 \times 7 \times (77 + 7)) - (((7+7)/7)^7 + 7) \\
&:= ((88+8)/8) + ((8 \times 8 - 8/8)^{(8+8)/8}) \\
&:= (99+9)/9 + ((9 \times 9 - (9+9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3982 &:= 11 \times ((11 \times (11 \times (1+1+1))) - 1) \\
&:= (2 \times 22)^2 + 2^{22/2} - 2 \\
&:= (3 \times (33/3)^3) - 33/3 \\
&:= ((4+4)^4) + (((4-444)/4) - 4) \\
&:= 5^5 + (55 \times (5+5+5) + ((5+5)/5)^5) \\
&:= (6 \times 666) - ((6+6)/6 + 6 + 6) \\
&:= 777/7 + (7 \times ((7 \times 77 + 7) + 7)) \\
&:= 8 + (((8 \times (8 \times 8 \times 8 - 8 - 8)) - ((8+8)/8)) + 8) \\
&:= ((99+99)/9) \times ((9/9+99) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3983 &:= ((1+1)^{1+11}) - (1+1+111) \\
&:= 222/2 + (2 \times (2 \times 22)^2) \\
&:= (3 \times ((33/3)^3 - 3)) - 3/3 \\
&:= ((4+4)^4) - ((444+4+4)/4) \\
&:= ((5+5)/5+5) \times ((5^5-5)/5-55) \\
&:= (6 \times 666) - (6/6+6+6) \\
&:= 7 + ((7 \times (7 \times (77 - 7) + 77)) + 7) \\
&:= 8 + (((8 \times (8 \times 8 \times 8 - 8 - 8)) - 8/8) + 8) \\
&:= (99 \times (9 - 9 \times 9)) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3984 &:= ((1+1)^{1+11}) - (1+111) \\
&:= (2 \times 22)^2 + 2^{22/2} \\
&:= 3 \times ((33/3)^3 - 3) \\
&:= 4 \times ((4 \times (4^4 - 4 - 4)) + 4) \\
&:= (55/5+5) \times (5 \times 5 \times (5+5) - 5/5) \\
&:= (6 \times 666) - 6 - 6 \\
&:= (7 \times 7 - 7/7) \times (77 - 7/7 + 7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 8 - 8)) + 8) \\
&:= (99+9)/9 \times (((9+9) \times (9+9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3985 &:= ((1+1)^{1+11}) - 111 \\
&:= (2^{2 \times (2+2+2)}) - 222/2 \\
&:= 3/3 + (3 \times ((33/3)^3 - 3)) \\
&:= ((4+4)^4) - 444/4 \\
&:= 5 + ((5 \times ((55+5^5)/(5-5/5))) + 5) \\
&:= (6 \times 666) - 66/6 \\
&:= 7 + ((7/7 + 77) \times ((7+7)/7 + 7 \times 7)) \\
&:= 8 \times 8 \times 8 - 888/8 \\
&:= ((9-9/9) \times ((9+9)/9)^9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3986 &:= 1 + (((1+1)^{1+11}) - 111) \\
&:= 2 + ((2 \times 22)^2 + 2^{22/2}) \\
&:= 3 + ((3 \times ((33/3)^3 - 3)) - 3/3) \\
&:= ((4+4)^4) + ((4-444)/4) \\
&:= (5-5/5)^{5/5+5} - (55+55) \\
&:= (6-66)/6 + (6 \times 666) \\
&:= 77 + (((77-7) \times (7 \times 7 + 7)) - (77/7)) \\
&:= 8 \times 8 \times 8 + ((8-888)/8) \\
&:= 9 + (((9 \times 9 - (9+9))^{(9+9)/9}) - 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3987 &:= 1 + (1 + (((1+1)^{1+11}) - 111)) \\
&:= 2 + ((2^{2 \times (2+2+2)}) - 222/2) \\
&:= 3 + (3 \times ((33/3)^3 - 3)) \\
&:= ((4+4)^4) + (((4-444)+4)/4) \\
&:= 5^5 + ((5^5-55)/(5+5) + 555) \\
&:= (6 \times 666) + (((6-66)+6)/6) \\
&:= 7 + ((7 \times (7 \times (77 - 7) + 77)) + (77/7)) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 8 - 8)) + (88/8)) \\
&:= 9 + (((9 \times 9 - (9+9))^{(9+9)/9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3988 &:= 1 + (1 + (1 + ((1 + 1)^{1+11}) - 111)) \\
&:= 2 + (((2 \times 22)^2 + 2^{2/2}) + 2) \\
&:= 3 + ((3 \times ((33/3)^3 - 3)) + 3/3) \\
&:= (4 \times 4 \times (4^4 - 4)) - 44 \\
&:= 5 + (((5 + 5)/5 + 5) \times ((5^5 - 5)/5 - 55)) \\
&:= (6 \times 666) - ((6 + 6)/6 + 6) \\
&:= (7 \times 7 \times (77 + 7)) - ((7 + 7)/7)^7 \\
&:= 8 \times (8 \times 8 \times 8 - 8) - (88/((8 + 8)/8)) \\
&:= ((9 - 9/9) \times ((9 + 9)/9)^9) - (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3989 &:= ((1 + 1 + 1) \times (11^{1+1+1} - 1)) - 1 \\
&:= (((22 - 2)^{2/2+2}) - 22)/2 \\
&:= (3 \times (33/3)^3) - (3/3 + 3) \\
&:= 4 + (((4 + 4)^4) - 444/4) \\
&:= 5^5 + ((55/5 + 5) \times (55 - 5/5)) \\
&:= (6 \times 666) - 6/6 - 6 \\
&:= (7 \times (7 \times (77 + 7) - 7)) - 7/7 - 77 \\
&:= 8 \times 8 \times 8 \times 8 - ((88/8 + 88) + 8) \\
&:= 9 + (((9 \times 9 - (9 + 9))^{(9+9)/9}) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3990 &:= (1 + 1 + 1) \times (11^{1+1+1} - 1) \\
&:= 2 \times ((2 \times 22 + 2)^2 - (22/2)^2) \\
&:= (3 \times (33/3)^3) - 3 \\
&:= 4 + (((4 - 444)/4) + ((4 + 4)^4)) \\
&:= 5 \times (((5 - (5 + 5)/5)^5) + 555) \\
&:= (6 \times 666) - 6 \\
&:= (77 - 7) \times ((7/7 + 7 \times 7) + 7) \\
&:= (8 - 8/8) \times ((8 \times (8 \times 8 + 8) - 8) + ((8 + 8)/8)) \\
&:= (9/9 + 9 + 9) \times (999/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3991 &:= 1 + ((1 + 1 + 1) \times (11^{1+1+1} - 1)) \\
&:= 22 + ((2^{2+2+2} - 2/2)^2) \\
&:= 3/3 + ((3 \times (33/3)^3) - 3) \\
&:= 4 + (((4 - 444) + 4)/4) + ((4 + 4)^4) \\
&:= ((5 - 5/5) \times ((5 - 5/5)^5 - 5 \times 5)) - 5 \\
&:= 6/6 + ((6 \times 666) - 6) \\
&:= 7 + ((7 \times 7 - 7/7) \times (77 - 7/7 + 7)) \\
&:= 8 \times 8 \times 8 \times 8 - (((8/8 + 88) + 8) + 8) \\
&:= ((9 \times 9 \times 99 - 9/9)/(9 + 9)/9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3992 &:= ((1 + 1 + 1) \times 11^{1+1+1}) - 1 \\
&:= 2 \times ((222 \times (2/2 + 2)^2) - 2) \\
&:= (3 \times (33/3)^3) - 3/3 \\
&:= 4 + ((4 \times 4 \times (4^4 - 4)) - 44) \\
&:= 5^5 + ((5^5 - 5)/(5 + 5) + 555) \\
&:= (6 + 6)/6 + ((6 \times 666) - 6) \\
&:= 7 + (((7/7 + 77) \times ((7 + 7)/7 + 7 \times 7)) + 7) \\
&:= 8 \times 8 \times 8 \times 8 - (88 + 8 + 8) \\
&:= (9 - 9/9) \times ((9 \times 999 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3993 &:= (1 + 1 + 1) \times 11^{1+1+1} \\
&:= (2/2 + 2) \times (22/2)^{2/2+2} \\
&:= 3 \times (33/3)^3 \\
&:= 4 + (((4 + 4)^4) - 444/4) + 4 \\
&:= 5^5 + (((5 - (5 + 5)/5)^5) + 5^5/5) \\
&:= (6 \times 666) - 6 \times 6/(6 + 6) \\
&:= 77/7 \times (((7 \times 7 \times 7 - 7/7) + 7) + 7) + 7 \\
&:= 8 + (8 \times 8 \times 8 \times 8 - 888/8) \\
&:= 99/9 \times (99 \times 99/(9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3994 &:= 1 + ((1 + 1 + 1) \times 11^{1+1+1}) \\
&:= (222 \times (2^{2+2} + 2)) - 2 \\
&:= 3/3 + (3 \times (33/3)^3) \\
&:= 4 + (((4 - 444)/4) + ((4 + 4)^4) + 4) \\
&:= 55 \times 55 + ((5 - 5/5)^5 - 55) \\
&:= (6 \times 666) - (6 + 6)/6 \\
&:= (7 \times 7 \times (77 + 7)) - (777 + 77)/7 \\
&:= 8 + (((8 - 888)/8) + 8 \times 8 \times 8 \times 8) \\
&:= ((9 + 9)/9) \times ((999 - 9/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3995 &:= 1 + (1 + ((1 + 1 + 1) \times 11^{1+1+1})) \\
&:= (222 \times (2^{2+2} + 2)) - 2/2 \\
&:= 3 + ((3 \times (33/3)^3) - 3/3) \\
&:= ((4 + 4)^4) - (4444/44) \\
&:= (5 \times (5 \times (5 \times ((5 + 5)/5)^5)) - 5) \\
&:= (6 \times 666) - 6/6 \\
&:= 7 + ((7 \times 7 \times (77 + 7)) - ((7 + 7)/7)^7) \\
&:= 8 \times 8 \times 8 \times 8 - (8888/88) \\
&:= (999 \times ((9 \times 9 - 9)/(9 + 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3996 &:= (1 + 1 + 1) \times (1 + 11^{1+1+1}) \\
&:= 222 \times (2^{2+2} + 2) \\
&:= 3 + (3 \times (33/3)^3) \\
&:= 444 \times (4/4 + 4 + 4) \\
&:= (5 - 5/5) \times ((5 - 5/5)^5 - 5 \times 5) \\
&:= 6 \times 666 \\
&:= 77 + (((77 - 7) \times (7 \times 7 + 7)) - 7/7) \\
&:= (8/8 + 8) \times 888/((8 + 8)/8) \\
&:= 999 \times ((9 \times 9 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3997 &:= (1 + 1 + 1) \times (1 + 11^{1+1+1}) + 1 \\
&:= 2/2 + (222 \times (2^{2+2} + 2)) \\
&:= 3 + ((3 \times (33/3)^3) + 3/3) \\
&:= 4/4 + 444 \times (4/4 + 4 + 4) \\
&:= ((5 + 5)/5 + 5) \times ((5^5 + 5)/5 - 55) \\
&:= 6/6 + (6 \times 666) \\
&:= 77 + ((77 - 7) \times (7 \times 7 + 7)) \\
&:= 8 \times 8 \times 8 \times 8 - (88/8 + 88) \\
&:= ((9 - 9/9) \times ((9 + 9)/9)^9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3998 &:= (1 + 1 + 1) \times (1 + 11^{1+1+1}) + 1 + 1 \\
&:= 2 + (222 \times (2^{2+2} + 2)) \\
&:= 3 + (((3 \times (33/3)^3) - 3/3) + 3) \\
&:= (4 + 4)/4 + 444 \times (4/4 + 4 + 4) \\
&:= (5 + 5)/5 \times (((5 + 5)^{5-5/5} - 5)/5) \\
&:= (6 + 6)/6 + (6 \times 666) \\
&:= 7/7 + (((77 - 7) \times (7 \times 7 + 7)) + 77) \\
&:= (8 - 88)/8 + (8 \times 8 \times 8 \times 8 - 88) \\
&:= 9/9 + (((9 - 9/9) \times ((9 + 9)/9)^9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 3999 &:= (1 + 1 + 1) \times (1 + 11^{1+1+1}) + 1 + 1 + 1 \\
&:= (((22 - 2)^{2/2+2}) - 2)/2 \\
&:= 3 + ((3 \times (33/3)^3) + 3) \\
&:= (4 + 4)^4 - (4 - 4/4)^4 - 4 \times 4 \\
&:= (5 \times (5 \times (5 \times ((5 + 5)/5)^5)) - 5/5) \\
&:= (6 \times 666) + (6 \times 6/(6 + 6)) \\
&:= ((7 + 7)/7)^7 + (7 \times ((7 \times 77 + 7) + 7)) \\
&:= 8 \times 8 \times 8 \times 8 - ((8/8 + 88) + 8) \\
&:= 9 + ((9/9 + 9 + 9) \times (999/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4000 &:= (1 + 1) \times ((1 + 1) \times (11 - 1)^{1+1+1}) \\
&:= ((22 - 2)^{2/2+2})/2 \\
&:= (3/3 + 3) \times ((3 \times 3 + 3/3)^3) \\
&:= 4 \times (4 \times (4^4 - 4) - (4 + 4)) \\
&:= 5 \times (5 \times (5 \times ((5 + 5)/5)^5)) \\
&:= 6 + ((6 \times 666) - ((6 + 6)/6)) \\
&:= (7/7 + 7 \times 7) \times ((7 + 7 + 7)/7 + 77) \\
&:= 8 \times 8 \times 8 \times 8 - (88 + 8) \\
&:= (9 - 9/9) \times ((9 \times 999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4001 &:= 1 + ((1 + 1) \times ((1 + 1) \times (11 - 1)^{1+1+1})) \\
&:= ((22 - 2)^{2/2+2} + 2)/2 \\
&:= 3 \times ((33/3)^3 + 3) - 3/3 \\
&:= 4 \times 4 + ((4 + 4)^4 - 444/4) \\
&:= 5/5 + (5 \times (5 \times (5 \times ((5 + 5)/5)^5))) \\
&:= 6 + (6 \times 666 - 6/6) \\
&:= 77/7 + ((77 - 7) \times ((7/7 + 7 \times 7) + 7)) \\
&:= 8/8 + (8 \times 8 \times 8 \times 8 - (88 + 8)) \\
&:= ((9 \times 9 \times 99 + 9/9)/(9 + 9)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4002 &:= (1 + 1) \times (1 + ((1 + 1) \times (11 - 1)^{1+1+1})) \\
&:= 2 + (22 - 2)^{2/2+2}/2 \\
&:= 3 \times ((33/3)^3 + 3) \\
&:= 4 \times 4 + (((4 - 444)/4) + (4 + 4)^4) \\
&:= (5 + 5)/5 + (5 \times (5 \times (5 \times ((5 + 5)/5)^5))) \\
&:= 6 + 6 \times 666 \\
&:= (7 - 7/7) \times (((7 + 7)/7)^7 + 7 \times 77) \\
&:= (8 + 8)/8 + (8 \times 8 \times 8 \times 8 - (88 + 8)) \\
&:= 9 + ((99/9) \times (99 \times 99/(9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4003 &:= 11 + (((1+1+1) \times 11^{1+1+1}) - 1) \\
&:= 2 + ((22 - 2)^{2/2+2} + 2)/2 \\
&:= 3/3 + 3 \times ((33/3)^3 + 3) \\
&:= (4+4)^4 + ((4 - (4+4)^4)/44) \\
&:= 5 + ((5+5)/5 \times (((5+5)^{5-5/5}) - 5)/5) \\
&:= 6 + (6 \times 666 + 6/6) \\
&:= 7777 - (7 \times 7 \times 77 + 7/7) \\
&:= 8 + (8 \times 8 \times 8 \times 8 - (8888/88)) \\
&:= (9 \times ((9 \times 9 \times 99 - 9)/(9+9))) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4004 &:= 11 + ((1+1+1) \times 11^{1+1+1}) \\
&:= 2 + ((22 - 2)^{2/2+2}/2 + 2) \\
&:= 33/3 + (3 \times (33/3)^3) \\
&:= 4 + (4 \times (4 \times (4^4 - 4) - (4+4))) \\
&:= 5 + ((5 \times (5 \times (5 \times ((5+5)/5)^5))) - 5/5) \\
&:= 6 + (6 \times 666 + ((6+6)/6)) \\
&:= 77 \times (((7+7+7)/7) + 7 \times 7) \\
&:= 8 + ((8/8+8) \times 888/(8+8)/8) \\
&:= 99/9 \times ((9 \times 9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4005 &:= 1 + (11 + ((1+1+1) \times 11^{1+1+1})) \\
&:= 2 + 2 + ((22 - 2)^{2/2+2} + 2)/2 \\
&:= 3 + 3 \times ((33/3)^3 + 3) \\
&:= (4/4 + 4 + 4) \times (444 + 4/4) \\
&:= 5 + (5 \times (5 \times (5 \times ((5+5)/5)^5))) \\
&:= 6 + (6 \times 666 + (6 \times 6/(6+6))) \\
&:= 7 \times 7 \times (77 + 7) - 777/7 \\
&:= 8 + (8 \times 8 \times 8 \times 8 - (88/8 + 88)) \\
&:= 9 \times ((9 \times 9 \times 99 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4006 &:= 1 + (1 + (11 + ((1+1+1) \times 11^{1+1+1}))) \\
&:= 2 \times ((2 \times 22 + 2/2)^2 - 22) \\
&:= 3 + (3 \times ((33/3)^3 + 3) + 3/3) \\
&:= 4^4 + (((4+4)/4 + 4) \times (4/4 + 4)^4) \\
&:= 5 + ((5 \times (5 \times (5 \times ((5+5)/5)^5))) + 5/5) \\
&:= ((66 - 6)/6) + 6 \times 666 \\
&:= ((7 - 777)/7) + 7 \times 7 \times (77 + 7) \\
&:= 8 \times 8 \times 8 \times 8 - ((8+8)/8 + 88) \\
&:= 9 + (((9 - 9/9) \times ((9+9)/9)^9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4007 &:= 11 + (1+1+1) \times (1+11^{1+1+1}) \\
&:= 22/2 + (222 \times (2^{2+2} + 2)) \\
&:= 3 + ((3 \times (33/3)^3) + 33/3) \\
&:= (4+4)^4 - (((4 - 4/4)^4 + 4) + 4) \\
&:= 5 + ((5 \times (5 \times (5 \times ((5+5)/5)^5))) + ((5+5)/5)) \\
&:= 66/6 + 6 \times 666 \\
&:= (7 \times (7 \times (77 + 7) - (7+7))) - 77/7 \\
&:= 8 \times 8 \times 8 \times 8 - (8/8 + 88) \\
&:= (9+9)/9 + (9 \times ((9 \times 9 \times 99 - 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4008 &:= (1+11) \times (1 + (1+1+1) \times 111) \\
&:= 2 \times (2^{22/2} - 2 \times 22) \\
&:= 3 + (3 \times ((33/3)^3 + 3) + 3) \\
&:= (4+4)^4 - (44+44) \\
&:= 5 \times 5 \times 5 + (((5/5+5)^5/(5+5)/5) - 5) \\
&:= 6 + (6 \times 666 + 6) \\
&:= (7/7 + 7) \times (7 \times (77 - 7) + (77/7)) \\
&:= 8 \times 8 \times 8 \times 8 - 88 \\
&:= (9 - 9/9) \times (((9+9)/9)^9) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4009 &:= 1 + ((1+11) \times (1 + (1+1+1) \times 111)) \\
&:= 2/2 + (2 \times (2^{22/2} - 2 \times 22)) \\
&:= 3 + ((3 \times ((33/3)^3 + 3) + 3/3) + 3) \\
&:= 4/4 + ((4+4)^4 - (44+44)) \\
&:= (5 \times (5 - 5/5)^5) - 5555/5 \\
&:= 6 + ((6 \times 666 + 6/6) + 6) \\
&:= 7 + ((7 - 7/7) \times (((7+7)/7)^7 + 7 \times 77)) \\
&:= 8/8 + (8 \times 8 \times 8 \times 8 - 88) \\
&:= (9 \times 9 \times 99 - 9/9)/(9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4010 &:= (11 - 1) \times (1 + ((1+1) \times (11 - 1))^{1+1}) \\
&:= 2 + (2 \times (2^{22/2} - 2 \times 22)) \\
&:= (3 \times (((33/3)^3 + 3) + 3)) - 3/3 \\
&:= (4+4)^4 + ((4+4)/4 - (44+44)) \\
&:= 5 + ((5 \times (5 \times (5 \times ((5+5)/5)^5))) + 5) \\
&:= 6 + ((6 \times 666 + ((6+6)/6) + 6) \\
&:= 777 + (77 \times (7 \times 7 - 7) - 7/7) \\
&:= (8+8)/8 + (8 \times 8 \times 8 \times 8 - 88) \\
&:= (9 \times 9 \times 99 + 9/9)/(9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4011 &:= 1 + ((11 - 1) \times (1 + ((1+1) \times (11 - 1))^{1+1})) \\
&:= ((22 - 2)^{2/2+2} + 22)/2 \\
&:= 3 \times (((33/3)^3 + 3) + 3) \\
&:= (4+4)^4 - ((4 - 4/4)^4 + 4) \\
&:= 55/5 + (5 \times (5 \times (5 \times ((5+5)/5)^5))) \\
&:= 6 + ((6 \times 666 + (6 \times 6/(6+6))) + 6) \\
&:= 777 + 77 \times (7 \times 7 - 7) \\
&:= 88/8 + (8 \times 8 \times 8 \times 8 - (88+8)) \\
&:= 9/9 + ((9 \times 9 \times 99 + 9/9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4012 &:= 1 + (1 + ((11 - 1) \times (1 + ((1+1) \times (11 - 1))^{1+1}))) \\
&:= 2 \times (2^{22/2} - 2 \times 22) + 2 \\
&:= 3/3 + (3 \times ((33/3)^3 + 3) + 3) \\
&:= (4 \times (4 \times (4^4 - 4) - 4)) - 4 \\
&:= (5+5)/5 \times (((5+5)^{5-5/5}) + 5)/5 + 5) \\
&:= 6 + (((66 - 6)/6) + 6 \times 666) \\
&:= 7 + (7 \times 7 \times (77 + 7) - 777/7) \\
&:= 8 \times 8 \times 8 \times 8 + ((8/((8+8)/8)) - 88) \\
&:= (9 \times ((9 \times 9 \times 99 + 9)/(9+9))) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4013 &:= 11 + ((1+1) \times (1 + ((1+1) \times (11 - 1)^{1+1+1}))) \\
&:= 2 + (((22 - 2)^{2/2+2} + 22)/2) \\
&:= 33/3 + 3 \times ((33/3)^3 + 3) \\
&:= 44 + (((4^4 - 4)/4)^{(4+4)/4}) \\
&:= 5 \times 5 \times 5 + ((5/5+5)^5/(5+5)/5) \\
&:= 6 + (6 \times 666 + (66/6)) \\
&:= 7 + (((7 - 777)/7) + 7 \times 7 \times (77 + 7)) \\
&:= 8 \times (8 \times 8 \times 8 - 8) - (88/8 + 8) \\
&:= (9 \times ((9 \times 9 \times 99 + 9)/(9+9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4014 &:= (1+1) \times ((11 - 1 - 1) \times (1 + (1+1) \times 111)) \\
&:= (2/2 + 2)^2 \times (2 \times 222 + 2) \\
&:= 3 + (3 \times (((33/3)^3 + 3) + 3)) \\
&:= (4+4)^4 - ((4 - 4/4)^4 + 4/4) \\
&:= 5^5 + (((5^5 - 55)/5) + 5 \times 55) \\
&:= 6 + ((6 \times 666 + 6) + 6) \\
&:= 7 + ((7 \times (7 \times (77 + 7) - (7+7))) - (77/7)) \\
&:= 8 + (8 \times 8 \times 8 \times 8 - ((8+8)/8 + 88)) \\
&:= 9 \times ((9 \times 9 \times 99 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4015 &:= 11 \times (1 + (1 + (11 \times (11 \times (1+1+1)))))) \\
&:= 2^{2 \times (2+2+2)} - (2/2 + 2)^{2+2} \\
&:= (3/3 + 3)^{3+3} - 3 \times 3^3 \\
&:= (4+4)^4 - (4 - 4/4)^4 \\
&:= 55 \times ((5 \times (5+5+5)) - ((5+5)/5)) \\
&:= 6 + (((6 \times 666 + 6/6) + 6) + 6) \\
&:= 7 + ((7/7 + 7) \times (7 \times (77 - 7) + (77/7))) \\
&:= 8 + (8 \times 8 \times 8 \times 8 - (8/8 + 88)) \\
&:= ((9 - 9/9) \times ((9+9)/9)^9) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4016 &:= 1 + (11 \times (1 + (1 + (11 \times (11 \times (1+1+1)))))) \\
&:= 2 \times (2^{22/2} + (2 \times (2 - 22))) \\
&:= 3 + (3 \times ((33/3)^3 + 3) + 33/3) \\
&:= 4 \times (4 \times (4^4 - 4) - 4) \\
&:= (5 - 5/5) \times (((5 - 5/5)^5 - 5 \times 5) + 5) \\
&:= 6 + (((6 \times 666 + ((6+6)/6) + 6) + 6) \\
&:= (7 \times (7 \times (77 + 7) - (7+7))) - (7+7)/7 \\
&:= 8 + (8 \times 8 \times 8 \times 8 - 88) \\
&:= (9 - 9/9) \times (((9+9)/9)^9) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4017 &:= 1 + (1 + (11 \times (1 + (1 + (11 \times (11 \times (1+1+1))))))) \\
&:= 2 + (2^{2 \times (2+2+2)} - (2/2 + 2)^{2+2}) \\
&:= 3^3 + ((3 \times (33/3)^3) - 3) \\
&:= 4/4 + (4 \times (4 \times (4^4 - 4) - 4)) \\
&:= 5 + 5 \times 5 \times 5 \times ((5+5)/5)^5 + (55+5)/5 \\
&:= 6 \times 666 + ((6 \times 6 + 6)/((6+6)/6)) \\
&:= (7 \times (7 \times (77 + 7) - (7+7))) - 7/7 \\
&:= 8 + ((8 \times 8 \times 8 \times 8 - 88) + 8/8) \\
&:= 9 + ((9 - 9/9) \times (((9+9)/9)^9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4018 &:= 11 + 11 + (1 + 1 + 1) \times (1 + 11^{1+1+1}) \\
&:= 22 + (222 \times (2^{2+2} + 2)) \\
&:= 3 + ((3/3 + 3)^{3+3} - 3 \times 3^3) \\
&:= (4 + 4)/4 + (4 \times (4 \times (4^4 - 4) - 4)) \\
&:= 5 + (((5/5 + 5)^5 / ((5 + 5)/5)) + 5 \times 5 \times 5) \\
&:= 6 \times 666 + ((66 + 66)/6) \\
&:= 7 \times (7 \times (77 + 7) - (7 + 7)) \\
&:= 8 + ((8 \times 8 \times 8 \times 8 - 88) + ((8 + 8)/8)) \\
&:= 9 + ((9 \times 9 \times 99 - 9/9) / ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4019 &:= 11 + ((1 + 11) \times (1 + (1 + 1 + 1) \times 111)) \\
&:= (((22 - 2) \times ((22 - 2)^2 + 2)) - 2)/2 \\
&:= 3^3 + ((3 \times (33/3)^3) - 3/3) \\
&:= 4 + ((4 + 4)^4 - (4 - 4/4)^4) \\
&:= 5^5 + (((5^5 - 5)/5 - 5) + 5 \times 55) \\
&:= 6 + ((6 \times 666 + (66/6)) + 6) \\
&:= 7/7 + (7 \times (7 \times (77 + 7) - (7 + 7))) \\
&:= 88/8 + (8 \times 8 \times 8 \times 8 - 88) \\
&:= 9 + ((9 \times 9 \times 99 + 9/9) / ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4020 &:= (1 + 11) \times (1 + (1 + (1 + 1 + 1) \times 111)) \\
&:= (22 - 2) \times (((22 - 2)^2 + 2)/2) \\
&:= 3 \times ((33/3)^3 + 3 \times 3) \\
&:= 4 + (4 \times (4 \times (4^4 - 4) - 4)) \\
&:= 5^5 + ((5 \times 55 - 5) + 5^5/5) \\
&:= (66 - 6) \times (66 + 6/6) \\
&:= (7 + 7)/7 + (7 \times (7 \times (77 + 7) - (7 + 7))) \\
&:= 8 \times (8 \times 8 \times 8 - 8) - (88 + 8)/8 \\
&:= (99 + 9)/9 \times ((9 + 9) \times (9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4021 &:= 1 + ((1 + 11) \times (1 + (1 + (1 + 1 + 1) \times 111))) \\
&:= 22 + (((22 - 2)^{2/2+2} - 2)/2) \\
&:= 3^3 + ((3 \times (33/3)^3) + 3/3) \\
&:= (4 + 4)^4 - (44 + 4^4)/4 \\
&:= 5^5 + (((5^5 + 5)/5 - 5) + 5 \times 55) \\
&:= 6 \times (666 + 6) - 66/6 \\
&:= ((77 + 7) \times (7 \times 7 - 7/7)) - 77/7 \\
&:= 8 \times (8 \times 8 \times 8 - 8) - 88/8 \\
&:= 9 + ((9 \times ((9 \times 9 \times 99 + 9)/(9 + 9))) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4022 &:= (1 + 1) \times (11 + ((1 + 1) \times (11 - 1)^{1+1+1})) \\
&:= 22 + (22 - 2)^{2/2+2}/2 \\
&:= 3 + (((3 \times (33/3)^3) - 3/3) + 3^3) \\
&:= (4 + 4)^4 + ((4 - (44 + 4^4))/4) \\
&:= 5^5 + (((5^5 + 5 + 5)/5 - 5) + 5 \times 55) \\
&:= (6 - 66)/6 + 6 \times (666 + 6) \\
&:= 77/7 + (77 \times (7 \times 7 - 7) + 777) \\
&:= (8 - 88)/8 + 8 \times (8 \times 8 \times 8 - 8) \\
&:= 9 + ((9 \times ((9 \times 9 \times 99 + 9)/(9 + 9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4023 &:= (1 + 1 + 1) \times (11 + (11^{1+1+1} - 1)) \\
&:= 22 + (((22 - 2)^{2/2+2} + 2)/2) \\
&:= 3 + ((3 \times (33/3)^3) + 3^3) \\
&:= 4 + (((4 + 4)^4 - (4 - 4/4)^4) + 4) \\
&:= 5^5 + (((5^5 - 5 - 5)/5 + 5 \times 55) \\
&:= 6 \times 666 + ((66 \times 6 / (6 + 6)) - 6) \\
&:= 7 + ((7 \times (7 \times (77 + 7) - (7 + 7))) - ((7 + 7)/7)) \\
&:= 8 \times (8 \times 8 \times 8 - 8) - (8/8 + 8) \\
&:= 9 + (9 \times ((9 \times 9 \times 99 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4024 &:= 1 + ((1 + 1 + 1) \times (11 + (11^{1+1+1} - 1))) \\
&:= 2 \times (2^{22/2} - (2 + 2 + 2)^2) \\
&:= (3 \times (3 - 3^3)) + (3/3 + 3)^{3+3} \\
&:= (4 \times 4 \times (4^4 - 4)) - 4 - 4 \\
&:= 5^5 + (((5^5 - 5)/5 + 5 \times 55) \\
&:= (((6 + 6)/6)^{6+6}) - (66 + 6) \\
&:= 7 + ((7 \times (7 \times (77 + 7) - (7 + 7))) - 7/7) \\
&:= 8 \times (8 \times 8 \times 8 - 8) - 8 \\
&:= (9 - 9/9) \times (((9 + 9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4025 &:= (11 \times ((1 + 1 + 1) \times (1 + 11^{1+1+1}))) - 1 \\
&:= 2 + (((22 - 2)^{2/2+2} + 2)/2) + 22 \\
&:= 33 + ((3 \times (33/3)^3) - 3/3) \\
&:= 4 + ((4 + 4)^4 - (44 + 4^4)/4) \\
&:= 5 \times ((5 \times (5 \times ((5 + 5)/5)^5) + 5) \\
&:= 6 \times (666 + 6) - 6/6 - 6 \\
&:= 7 + (7 \times (7 \times (77 + 7) - (7 + 7))) \\
&:= 8/8 + (8 \times (8 \times 8 \times 8 - 8) - 8) \\
&:= 9/9 + ((9 - 9/9) \times (((9 + 9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4026 &:= 11 \times ((1 + 1 + 1) \times (1 + 11^{1+1+1})) \\
&:= 2 + (2 \times (2^{22/2} - (2 + 2 + 2)^2)) \\
&:= 33 + (3 \times (33/3)^3) \\
&:= (4 + 4)^4 - (((4^4 + 4 + 4)/4) + 4) \\
&:= 5^5 + ((5^5 + 5)/5 + 5 \times 55) \\
&:= 6 \times (666 + 6) - 6 \\
&:= 7 + ((7 \times (7 \times (77 + 7) - (7 + 7))) + 7/7) \\
&:= (8 + 8)/8 + (8 \times (8 \times 8 \times 8 - 8) - 8) \\
&:= (9 + 9)/9 + ((9 - 9/9) \times (((9 + 9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4027 &:= 1 + (11 \times ((1 + 1 + 1) \times (1 + 11^{1+1+1}))) \\
&:= (((2 \times 2 \times 22 + 2)^2 - 2)/2) - 22 \\
&:= 3/3 + ((3 \times (33/3)^3) + 33) \\
&:= (4 + 4)^4 - ((4^4 + 4)/4 + 4) \\
&:= 5^5 + (((5^5 + 5 + 5)/5 + 5 \times 55) \\
&:= 6/6 + (6 \times (666 + 6) - 6) \\
&:= 7 + ((7 \times (7 \times (77 + 7) - (7 + 7))) + ((7 + 7)/7)) \\
&:= 8 + ((8 \times 8 \times 8 \times 8 - 88) + (88/8)) \\
&:= 9 \times (9 + 9) \times (9 + 9) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4028 &:= 1 + (1 + (11 \times ((1 + 1 + 1) \times (1 + 11^{1+1+1})))) \\
&:= (2 \times (2 \times 22 + 2/2)^2) - 22 \\
&:= 3 + (((3 \times (33/3)^3) - 3/3) + 33) \\
&:= (4 \times 4 \times (4^4 - 4)) - 4 \\
&:= (5 + 5)/5 \times (5^5 - 5555/5) \\
&:= (6 + 6)/6 + (6 \times (666 + 6) - 6) \\
&:= (7/7 - 77) \times (7 - (77/7 + 7 \times 7)) \\
&:= 8 \times (8 \times 8 \times 8 - 8) - (8/((8 + 8)/8)) \\
&:= 9 + (((9 \times 9 \times 99 + 9/9) / ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4029 &:= (1 + 1 + 1) \times (1 + (11 + 11^{1+1+1})) \\
&:= (((2 \times 2 \times 22 + 2)^2 + 2)/2) - 22 \\
&:= 3 + ((3 \times (33/3)^3) + 33) \\
&:= 4/4 + ((4 \times 4 \times (4^4 - 4)) - 4) \\
&:= 5 + (((5^5 - 5)/5 + 5 \times 55) + 5^5) \\
&:= 6 \times 666 + (66 \times 6 / (6 + 6)) \\
&:= 77/7 + (7 \times (7 \times (77 + 7) - (7 + 7))) \\
&:= 8 + (8 \times (8 \times 8 \times 8 - 8) - (88/8)) \\
&:= 9 + ((99 + 9)/9 \times ((9 + 9) \times (9 + 9) + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4030 &:= (1 + 1) \times ((1 + 1)^{11} - (11 \times (1 + 1 + 1))) \\
&:= (2 \times (2^{22/2} - 22)) - 22 \\
&:= (3/3 + 3)^{3+3} - (33 + 33) \\
&:= (4 + 4)^4 - ((4^4 + 4 + 4)/4) \\
&:= 5 + ((5^5/5 + 5 \times 55) + 5^5) \\
&:= (((6 + 6)/6)^{6+6}) - 66 \\
&:= ((77 + 7) \times (7 \times 7 - 7/7)) - (7 + 7)/7 \\
&:= 8 \times (8 \times 8 \times 8 - 8) - (8 + 8)/8 \\
&:= (9/9 + 9) \times (((9 + 9) \times (9 + 9) - ((9 + 9)/9)) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4031 &:= ((1 + 1 + 1) \times ((1 + 11) \times (1 + 111))) - 1 \\
&:= ((2^{2+2} + 2) \times (222 + 2)) - 2/2 \\
&:= (3 \times 3 + 3) \times (333 + 3) - 3/3 \\
&:= (4 + 4)^4 - (4^4 + 4)/4 \\
&:= 5 + (((5^5 + 5)/5 + 5 \times 55) + 5^5) \\
&:= 6 \times (666 + 6) - 6/6 \\
&:= ((77 + 7) \times (7 \times 7 - 7/7)) - 7/7 \\
&:= 8 \times (8 \times 8 \times 8 - 8) - 8/8 \\
&:= ((9 + 9 + 9) \times (9 \times (9 + 9) - 9)) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4032 &:= (1 + 1 + 1) \times ((1 + 11) \times (1 + 111)) \\
&:= (2^{2+2} + 2) \times (222 + 2) \\
&:= (3 \times 3 + 3) \times (333 + 3) \\
&:= 4 \times 4 \times (4^4 - 4) \\
&:= ((5 + 5)/5)^5 \times (5 \times 5 \times 5 + 5/5) \\
&:= 6 \times (666 + 6) \\
&:= (77 + 7) \times (7 \times 7 - 7/7) \\
&:= 8 \times (8 \times 8 \times 8 - 8) \\
&:= (9 \times 9 - 9) \times ((999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4033 &:= (((111 - 1)^{1+1}) - 1) / (1 + 1 + 1) \\
&:= 2/2 + ((2^{2+2} + 2) \times (222 + 2)) \\
&:= 3/3 + (3 \times 3 + 3) \times (333 + 3) \\
&:= 4/4 + (4 \times 4 \times (4^4 - 4)) \\
&:= 5 + ((5 + 5)/5 \times (5^5 - 5555/5)) \\
&:= 6/6 + 6 \times (666 + 6) \\
&:= 7/7 + ((77 + 7) \times (7 \times 7 - 7/7)) \\
&:= 8/8 + 8 \times (8 \times 8 \times 8 - 8) \\
&:= 9 + ((9 - 9/9) \times (((9 + 9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4034 &:= 1 + (((111 - 1)^{1+1}) - 1) / (1 + 1 + 1) \\
&:= 2 + ((2^{2+2} + 2) \times (222 + 2)) \\
&:= 3 + ((3 \times 3 + 3) \times (333 + 3) - 3/3) \\
&:= (4 + 4)^4 + (((4 - 4^4) + 4)/4) \\
&:= 5 + (((5^5 - 5)/5 + 5 \times 55) + 5^5) + 5 \\
&:= (6 + 6)/6 + 6 \times (666 + 6) \\
&:= (7 + 7)/7 + ((77 + 7) \times (7 \times 7 - 7/7)) \\
&:= (8 + 8)/8 + 8 \times (8 \times 8 \times 8 - 8) \\
&:= 9 + (((9 - 9/9) \times (((9 + 9)/9)^9) - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4035 &:= (1 + 1 + 1) \times (1 + ((1 + 11) \times (1 + 111))) \\
&:= 2 + (((2^{2+2} + 2) \times (222 + 2)) + 2/2) \\
&:= 3 + (3 \times 3 + 3) \times (333 + 3) \\
&:= 4 + ((4 + 4)^4 - (4^4 + 4)/4) \\
&:= (5 + 5 + 5) \times (5 \times 55 - (5/5 + 5)) \\
&:= (6 \times 6 / (6 + 6)) + 6 \times (666 + 6) \\
&:= 7 + ((7/7 - 77) \times (7 - (77/7 + 7 \times 7))) \\
&:= 88/8 + (8 \times (8 \times 8 \times 8 - 8) - 8) \\
&:= 99/9 + ((9 - 9/9) \times (((9 + 9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4036 &:= 1 + ((1 + 1 + 1) \times (1 + ((1 + 11) \times (1 + 111)))) \\
&:= 22^2 + (2^{2+2} \times 222) \\
&:= (3/3 + 3)^{3+3} - (3^3 + 33) \\
&:= 4 + (4 \times 4 \times (4^4 - 4)) \\
&:= (5 - 5/5)^{5/5+5} - (55 + 5) \\
&:= 6 + (((6 + 6)/6)^{6+6}) - 66 \\
&:= 7 + ((7 \times (7 \times (77 + 7) - (7 + 7))) + (77/7)) \\
&:= (8 / ((8 + 8)/8)) + 8 \times (8 \times 8 \times 8 - 8) \\
&:= 9 + (9 \times (9 + 9) \times (9 + 9) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4037 &:= 11 \times (1 + ((1 + 1 + 1) \times (1 + 11^{1+1}))) \\
&:= (((2 \times 2 \times 22 + 2)^2) - 22) / 2 - 2 \\
&:= 33 + ((3 \times (33/3)^3) + 33/3) \\
&:= 4 + ((4 \times 4 \times (4^4 - 4)) + 4/4) \\
&:= 5 + (((5 + 5)/5)^5 \times (5 \times 5 \times 5 + 5/5)) \\
&:= 6 + (6 \times (666 + 6) - 6/6) \\
&:= 7 \times 7 \times (77 + 7) - ((7 + 7)/7 + 77) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 8) - (88/8)) + 8) \\
&:= 9 + (((9 \times 9 \times 99 + 9/9) / ((9 + 9)/9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4038 &:= 1 + (11 \times (1 + ((1 + 1 + 1) \times (1 + 11^{1+1})))) \\
&:= 2 + ((2^{2+2} \times 222) + 22^2) \\
&:= 3 + ((3 \times 3 + 3) \times (333 + 3) + 3) \\
&:= 4 + (((4 - 4^4) + 4)/4) + (4 + 4)^4 \\
&:= 5^5 + ((5 - 5/5)^5 - 555/5) \\
&:= 6 + 6 \times (666 + 6) \\
&:= 7 \times 7 \times (77 + 7) - 7/7 - 77 \\
&:= 8 + (8 \times (8 \times 8 \times 8 - 8) - ((8 + 8)/8)) \\
&:= 9 \times (9 + 9) \times (9 + 9) + ((9999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4039 &:= ((1 + 1)^{1+11}) - (1 + (1 + 111) / (1 + 1)) \\
&:= (((2 \times 2 \times 22 + 2)^2) - 22) / 2 \\
&:= 3 + ((3/3 + 3)^{3+3} - (3^3 + 33)) \\
&:= 4 + (((4 + 4)^4 - (4^4 + 4)/4) + 4) \\
&:= 5^5 + ((5 - 5/5)^5 - (55 + 55)) \\
&:= 6 + (6 \times (666 + 6) + 6/6) \\
&:= 7 \times 7 \times (77 + 7) - 77 \\
&:= 8 + (8 \times (8 \times 8 \times 8 - 8) - 8/8) \\
&:= (9 \times (9 \times ((9 \times 99 + 9) / (9 + 9)))) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4040 &:= ((1 + 1)^{1+11}) - (1 + 111) / (1 + 1) \\
&:= 2 \times (2 \times ((2 \times (22^2 + 22)) - 2)) \\
&:= (3/3 + 3) \times (3 \times 333 + 33/3) \\
&:= 4 + ((4 \times 4 \times (4^4 - 4)) + 4) \\
&:= ((5 + 5 + 5) \times (5 \times 55 - 5)) - 5 - 5 \\
&:= 6 + (6 \times (666 + 6) + ((6 + 6)/6)) \\
&:= 7/7 + (7 \times 7 \times (77 + 7) - 77) \\
&:= 8 + 8 \times (8 \times 8 \times 8 - 8) \\
&:= (9/9 + 9) \times (((9 + 9)/9)^9) - (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4041 &:= ((1 + 1)^{1+11}) - (111 - 1) / (1 + 1) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) - 22) / 2 \\
&:= ((3 + 3) \times 3^{3+3}) - 333 \\
&:= (4 + 4)^4 - 44/4 - 44 \\
&:= (5 - 5/5)^{5/5+5} - 55 \\
&:= 6 + (6 \times (666 + 6) + (6 \times 6 / (6 + 6))) \\
&:= (7 + 7) / 7 + (7 \times 7 \times (77 + 7) - 77) \\
&:= 8 + (8 \times (8 \times 8 \times 8 - 8) + 8/8) \\
&:= 9 \times (((9 + 9)/9)^9) - 9 \times 9 + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4042 &:= 1 + (((1 + 1)^{1+11}) - (111 - 1) / (1 + 1)) \\
&:= 2 \times ((2 \times 22 + 2/2)^2 - (2 + 2)) \\
&:= (3/3 + 3)^{3+3} - (3^3 + 3^3) \\
&:= (4 + 4)^4 + ((4 - 44) / 4 - 44) \\
&:= 5/5 + ((5 - 5/5)^{5/5+5} - 55) \\
&:= 6 + (((6 + 6)/6)^{6+6}) - 66 + 6 \\
&:= 7 \times 7 \times 77 + ((7 \times 7 \times 77 - 7) / (7 + 7)) \\
&:= 8 + (8 \times (8 \times 8 \times 8 - 8) + ((8 + 8)/8)) \\
&:= 9 + (((9 - 9/9) \times (((9 + 9)/9)^9) - 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4043 &:= 11 + ((1 + 1 + 1) \times ((1 + 11) \times (1 + 111))) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) - 22) / 2 + 2 \\
&:= 33/3 + (3 \times 3 + 3) \times (333 + 3) \\
&:= 44/4 + (4 \times 4 \times (4^4 - 4)) \\
&:= (((5 + 5)/5 + 5) \times (5 - 5/5)^5) - 5^5 \\
&:= 66/6 + 6 \times (666 + 6) \\
&:= 77/7 + ((77 + 7) \times (7 \times 7 - 7/7)) \\
&:= 88/8 + 8 \times (8 \times 8 \times 8 - 8) \\
&:= 9 + (((9 - 9/9) \times (((9 + 9)/9)^9) - 9) + 9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4044 &:= (1 + 11) \times (1 + ((1 + 1 + 1) \times (1 + 111))) \\
&:= 2 \times (2^{22/2} - (22 + 2 + 2)) \\
&:= 3 + (((3 + 3) \times 3^{3+3}) - 333) \\
&:= (4 + 4)^4 - (44 + 4 + 4) \\
&:= 55 \times 55 + ((5 - 5/5)^5 - 5) \\
&:= 6 + (6 \times (666 + 6) + 6) \\
&:= (77 + 7) / 7 \times ((7 \times 7 \times 7 - 7) + 7/7) \\
&:= ((88 + 8) / 8) + 8 \times (8 \times 8 \times 8 - 8) \\
&:= 9 + (((9 - 9/9) \times (((9 + 9)/9)^9) - 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4045 &:= 1 + ((1 + 11) \times (1 + ((1 + 1 + 1) \times (1 + 111)))) \\
&:= (2 \times ((2 \times 22 + 2/2)^2 - 2)) - 2/2 \\
&:= 3 + ((3/3 + 3)^{3+3} - (3^3 + 3^3)) \\
&:= 4 + ((4 + 4)^4 - (44/4 + 44)) \\
&:= ((5 + 5 + 5) \times (5 \times 55 - 5)) - 5 \\
&:= 6 + ((6 \times (666 + 6) + 6/6) + 6) \\
&:= 7 + (7 \times 7 \times (77 + 7) - (7/7 + 77)) \\
&:= 8 \times (8 \times 8 \times 8 - 8) + (88 + 8 + 8) / 8 \\
&:= ((9 \times 9 + 9) / (9 + 9)) \times (9 \times (9 \times 9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4046 &:= (1 + 1) \times ((1 + 1)^{11} - (1 + ((1 + 1) \times (1 + 11)))) \\
&:= 2 \times ((2 \times 22 + 2/2)^2 - 2) \\
&:= (3 \times ((33/3)^3 + (3 \times (3 + 3)))) - 3/3 \\
&:= (4 + 4)^4 - (((4 + 4) / 4 + 44) + 4) \\
&:= 5 + ((5 - 5/5)^{5/5+5} - 55) \\
&:= 6 + ((6 \times (666 + 6) + ((6 + 6) / 6)) + 6) \\
&:= 7 + (7 \times 7 \times (77 + 7) - 77) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 8) - ((8 + 8) / 8)) + 8) \\
&:= ((9 \times (9 \times 99 + 9) - 9) + 9/9) / ((9 + 9) / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4047 &:= ((1 + 1) \times ((1 + 1)^{11} - (1 + 1) \times (1 + 11))) - 1 \\
&:= (((2 \times 2 \times 22 + 2)^2) - 2) / 2 - 2 \\
&:= 3 \times ((33/3)^3 + (3 \times (3 + 3))) \\
&:= (4 + 4)^4 - ((44 + 4/4) + 4) \\
&:= 5 + (((5 - 5/5)^{5/5+5} - 55) + 5/5) \\
&:= 6 + ((6 \times (666 + 6) + (6 \times 6 / (6 + 6))) + 6) \\
&:= ((7/7 + 7)^{77/7-7}) - 7 \times 7 \\
&:= 8 + ((8 \times (8 \times 8 \times 8 - 8) - 8/8) + 8) \\
&:= (9/9 + 9 + 9) \times ((9 + 9) \times (9 + 9) - 999/9)
\end{aligned}$$

- ▶ 4048 := $(1+1) \times ((1+1)^{11} - ((1+1) \times (1+11)))$
:= $2 \times (2 \times (2 \times (2^2 + 22)))$
:= $3/3 + (3 \times ((33/3)^3 + (3 \times (3+3))))$
:= $4 \times (4 \times (4^4 - 4) + 4)$
:= $55/5 \times ((5^5 + 5)/(5+5) + 55)$
:= $((6+6)/6)^{6+6} - (6 \times 6 + 6 + 6)$
:= $((7+7)/7)^7 + ((77-7) \times (7 \times 7 + 7))$
:= $8 + (8 \times (8 \times 8 \times 8 - 8) + 8)$
:= $(9 \times (9 \times ((9 \times 99 + 9)/(9+9)))) - (9+9)/9$
- ▶ 4049 := $1 + ((1+1) \times ((1+1)^{11} - ((1+1) \times (1+11))))$
:= $((2 \times 2 \times 22 + 2)^2) - 2/2$
:= $(3 \times ((3+3) \times ((3+3)^3 + 3 \times 3))) - 3/3$
:= $4/4 + (4 \times (4 \times (4^4 - 4) + 4))$
:= $55 \times 55 + (5 - 5/5)^5$
:= $6 + (6 \times (666 + 6) + (66/6))$
:= $(7 \times (7 \times (77 + 7) - 7)) - (77/7 + 7)$
:= $8 + ((8 \times (8 \times 8 \times 8 - 8) + 8/8) + 8)$
:= $(9 \times (9 \times ((9 \times 99 + 9)/(9+9)))) - 9/9$
- ▶ 4050 := $(1+1) \times ((1+1)^{11} - (1 + (11 + 11)))$
:= $2 \times (2 \times 22 + 2/2)^2$
:= $3 \times ((3+3) \times ((3+3)^3 + 3 \times 3))$
:= $(4+4)^4 - ((4+4)/4 + 44)$
:= $(5+5+5) \times (5 \times 55 - 5)$
:= $6 + ((6 \times (666 + 6) + 6) + 6)$
:= $77/7 + (7 \times 7 \times (77 + 7) - 77)$
:= $8 + ((8 \times (8 \times 8 \times 8 - 8) + ((8+8)/8) + 8)$
:= $9 \times (9 \times ((9 \times 99 + 9)/(9+9)))$
- ▶ 4051 := $((1+1) \times ((1+1)^{11} - (11 + 11))) - 1$
:= $((2 \times 2 \times 22 + 2)^2) + 2/2$
:= $3/3 + (3 \times ((3+3) \times ((3+3)^3 + 3 \times 3)))$
:= $(4+4)^4 - (44 + 4/4)$
:= $5/5 + ((5+5+5) \times (5 \times 55 - 5))$
:= $66 + (6 \times 666 - (66/6))$
:= $7 + ((77+7)/7 \times ((7 \times 7 \times 7 - 7) + 7/7))$
:= $8 + (8 \times (8 \times 8 \times 8 - 8) + (88/8))$
:= $9/9 + (9 \times (9 \times ((9 \times 99 + 9)/(9+9))))$
- ▶ 4052 := $(1+1) \times ((1+1)^{11} - (11 + 11))$
:= $2 \times (2^{22/2} - 22)$
:= $(3/3 + 3)^{3+3} - (33/3 + 33)$
:= $(4+4)^4 - 44$
:= $(5+5)/5 + ((5+5+5) \times (5 \times 55 - 5))$
:= $66 + (((6-66)/6) + 6 \times 666)$
:= $(7 \times (7 \times (77 + 7) - 7)) - (7/7 + 7 + 7)$
:= $8 \times 8 \times 8 - (88/(8+8)/8)$
:= $(9+9)/9 + (9 \times (9 \times ((9 \times 99 + 9)/(9+9))))$
- ▶ 4053 := $1 + ((1+1) \times ((1+1)^{11} - (11 + 11)))$
:= $2 + (((2 \times 2 \times 22 + 2)^2) + 2)/2$
:= $3 + (3 \times ((3+3) \times ((3+3)^3 + 3 \times 3)))$
:= $4/4 + ((4+4)^4 - 44)$
:= $5 + ((55 \times 55 - 5/5) + (5 - 5/5)^5)$
:= $((6+6)/6)^{6+6} - ((6 \times 6 + 6/6) + 6)$
:= $(7 \times (7 \times (77 + 7) - 7)) - (7 + 7)$
:= $8 + (8 \times (8 \times 8 \times 8 - 8) + (88 + 8 + 8)/8)$
:= $9 \times 9 \times 9 + ((9999/(9+9+9)/9) - 9)$
- ▶ 4054 := $(1+1) \times (1 + ((1+1)^{11} - (11 + 11)))$
:= $2 + (2 \times (2^{22/2} - 22))$
:= $(3/3 + 3)^{3+3} - (3 \times 3 + 33)$
:= $(4+4)^4 + ((4+4)/4 - 44)$
:= $5 + (55 \times 55 + (5 - 5/5)^5)$
:= $((6+6)/6)^{6+6} - (6 \times 6 + 6)$
:= $7 + (((7/7 + 7)^{77/7-7}) - 7 \times 7)$
:= $8 \times (8 \times 8 \times 8 - 8) + (88 + 88)/8$
:= $((9 \times (9 \times 99 + 9) - 9/9) + 9)/(9+9)/9$
- ▶ 4055 := $1 + ((1+1) \times (1 + ((1+1)^{11} - (11 + 11))))$
:= $2 + (((2 \times 2 \times 22 + 2)^2) + 2)/2 + 2$
:= $3 + ((3/3 + 3)^{3+3} - (33/3 + 33))$
:= $4 + (4+4)^4 - (44 + 4/4)$
:= $5 + ((5+5+5) \times (5 \times 55 - 5))$
:= $66 + (6 \times 666 - (6/6 + 6))$
:= $(7 \times (7 \times (77 + 7) - 7)) - (77 + 7)/7$
:= $8 + (((8 \times (8 \times 8 \times 8 - 8) - 8/8) + 8) + 8)$
:= $((9 \times 9 + 9)/(9+9)) \times (9 \times (9 \times 9 + 9) + 9/9)$
- ▶ 4056 := $(1+1) \times ((1+11) \times (1+1+11)^{1+1})$
:= $2 \times (2^{22/2} - 22) + 2$
:= $3 \times (((33/3)^3 + (3 \times (3+3))) + 3)$
:= $4 + ((4+4)^4 - 44)$
:= $(5 - 5/5) \times ((5 - 5/5)^5 - (5 + 5))$
:= $66 + (6 \times 666 - 6)$
:= $(7 \times (7 \times (77 + 7) - 7)) - 77/7$
:= $8 + ((8 \times (8 \times 8 \times 8 - 8) + 8) + 8)$
:= $(9 - 9/9) \times (((9 - 99)/(9+9)) + ((9+9)/9)^9)$
- ▶ 4057 := $1 + ((1+1) \times ((1+11) \times (1+1+11)^{1+1}))$
:= $2/2 + (2 \times (2^{22/2} - 22) + 2)$
:= $((3/3 + 3)^3) + (3 \times (33/3)^3)$
:= $4 + (((4+4)^4 - 44) + 4/4)$
:= $5 + (((5+5+5) \times (5 \times 55 - 5)) + ((5+5)/5))$
:= $66 + ((6 \times 666 - 6) + 6/6)$
:= $((7 - 77)/7) + (7 \times (7 \times (77 + 7) - 7))$
:= $88 + ((8 \times 8 - 8/8)^{(8+8)/8})$
:= $(99 \times ((9 \times 9 \times 9 + 9)/(9+9))) - (9+9)/9$
- ▶ 4058 := $(1+1) \times (1 + ((1+11) \times (1+1+11)^{1+1}))$
:= $2 + (2 \times ((2^{22/2} - 22) + 2))$
:= $3^{3+3} + (3333 - (3/3 + 3))$
:= $4 + (((4+4)/4 - 44) + (4+4)^4)$
:= $5^5 + (((5^5 + 5)/(5+5) - 5) + 5^5/5)$
:= $66 + ((6 \times 666 - 6) + ((6+6)/6))$
:= $(7 \times (7 \times (77 + 7) - 7)) - ((7+7)/7 + 7)$
:= $8 + (((8 \times (8 \times 8 \times 8 - 8) + ((8+8)/8)) + 8) + 8)$
:= $(99 \times ((9 \times 9 \times 9 + 9)/(9+9))) - 9/9$
- ▶ 4059 := $11 \times ((1+1+1) \times (1 + (1+11)^{1+1}))$
:= $((22/2)^2 + 2) \times (22/2 + 22)$
:= $33 \times ((3 \times (3^3 + 3)) + 33)$
:= $4 + ((4+4)^4 - (44 + 4/4) + 4)$
:= $5 + ((55 \times 55 + (5 - 5/5)^5) + 5)$
:= $((6+6)/6)^{6+6} - (6 \times 6 + 6/6)$
:= $(7 \times (7 \times (77 + 7) - 7)) - (7/7 + 7)$
:= $8 + ((8 \times (8 \times 8 \times 8 - 8) + (88/8)) + 8)$
:= $99 \times ((9 \times 9 \times 9 + 9)/(9+9))$
- ▶ 4060 := $((1+1)^{1+11}) - ((1+1+1) \times (1+11))$
:= $2 \times ((2^{22/2} - 22) + 2) + 2$
:= $(3/3 + 3)^{3+3} - (33 + 3)$
:= $4 + (((4+4)^4 - 44) + 4)$
:= $5 + (((5+5+5) \times (5 \times 55 - 5)) + 5)$
:= $((6+6)/6)^{6+6} - 6 \times 6$
:= $(7 \times (7 \times (77 + 7) - 7)) - 7$
:= $8 + (8 \times 8 \times 8 - (88/(8+8)/8))$
:= $9/9 + (99 \times ((9 \times 9 \times 9 + 9)/(9+9)))$
- ▶ 4061 := $((1+1) \times ((1+1)^{11} - (1+11))) - 11$
:= $((2 \times 2 \times 22 + 2)^2) + 22/2$
:= $3^{3+3} + (3333 - 3/3)$
:= $4 + (((4+4)^4 - 44) + 4/4 + 4)$
:= $5 + ((5 - 5/5) \times ((5 - 5/5)^5 - (5 + 5)))$
:= $66 + (6 \times 666 - 6/6)$
:= $7/7 + ((7 \times (7 \times (77 + 7) - 7)) - 7)$
:= $8 \times 8 \times 8 - ((88/8 + 8 + 8) + 8)$
:= $(9+9)/9 + (99 \times ((9 \times 9 \times 9 + 9)/(9+9)))$
- ▶ 4062 := $((1+1)^{1+11}) - (1+11 \times (1+1+1))$
:= $(2 \times (2^{22/2} - 2^{2+2})) - 2$
:= $3^{3+3} + 3333$
:= $(4+4)^4 + ((44-4)/4 - 44)$
:= $5^5 + ((5^5 - 5)/(5+5) + 5^5/5)$
:= $66 + 6 \times 666$
:= $(7+7)/7 + ((7 \times (7 \times (77 + 7) - 7)) - 7)$
:= $8 + (8 \times (8 \times 8 \times 8 - 8) + (88 + 88)/8)$
:= $9 \times 9 \times 9 + (9999/(9+9+9)/9)$

$$\begin{aligned}
\blacktriangleright 4063 &:= ((1+1)^{1+11}) - (11 \times (1+1+1)) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) + 22)/2 \\
&:= (3/3 + 3)^{3+3} - 33 \\
&:= 44/4 + ((4+4)^4 - 44) \\
&:= 5^5 + ((5^5 + 5)/(5+5) + 5^5/5) \\
&:= 66 + (6 \times 666 + 6/6) \\
&:= 7 + ((7 \times (7 \times (77 + 7) - 7)) - (77/7)) \\
&:= 8 \times 8 \times 8 \times 8 - ((8/8 + 8 + 8 + 8) + 8) \\
&:= 9 + (((9 \times (9 \times 99 + 9) - 9/9) + 9)/(9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4064 &:= 1 + (((1+1)^{1+11}) - (11 \times (1+1+1))) \\
&:= 2 \times (2^{22/2} - 2^{2+2}) \\
&:= 3/3 + ((3/3 + 3)^{3+3} - 33) \\
&:= 4 \times (4 \times 4^4 - (4+4)) \\
&:= ((5+5)/5)^5 \times (5 \times 5 \times 5 + ((5+5)/5)) \\
&:= 66 + (6 \times 666 + ((6+6)/6)) \\
&:= (7 \times (7 \times (77 + 7) - 7)) - (7+7+7)/7 \\
&:= 8 \times (8 \times 8 \times 8 - (8/((8+8)/8))) \\
&:= (9 - 9/9) \times (((9 \times 999 - 9)/(9+9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4065 &:= ((1+1) \times (1 + (1+1)^{11} - 11)) - 11 \\
&:= 2/2 + (2 \times (2^{22/2} - 2^{2+2})) \\
&:= 3 + (3333 + 3^{3+3}) \\
&:= 4/4 + (4 \times (4 \times 4^4 - (4+4))) \\
&:= (5+5+5) \times ((5 \times 55 - 5) + 5/5) \\
&:= 6 + (((6+6)/6)^{6+6}) - (6 \times 6 + 6/6) \\
&:= (7 \times (7 \times (77 + 7) - 7)) - (7+7)/7 \\
&:= 8 + (((8 \times 8 - 8/8)^{(8+8)/8}) + 88) \\
&:= (9 \times 9 \times 99 + 999/9)/(9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4066 &:= ((1+1)^{1+11}) - (11 - 1) \times (1+1+1) \\
&:= 2 + (2 \times (2^{22/2} - 2^{2+2})) \\
&:= 3 + ((3/3 + 3)^{3+3} - 33) \\
&:= (4+4)^4 + ((4+4)/4 - 4 \times (4+4)) \\
&:= (5 - 5/5)^{5/5+5} - (5 \times 5 + 5) \\
&:= 6 + (((6+6)/6)^{6+6}) - 6 \times 6 \\
&:= (7 \times (7 \times (77 + 7) - 7)) - 7/7 \\
&:= 8 \times 8 \times 8 \times 8 - ((88 + 88)/8 + 8) \\
&:= ((99 - 9/9) + 9) \times ((99/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4067 &:= 1 + (((1+1)^{1+11}) - ((11 - 1) \times (1+1+1))) \\
&:= 2 + ((2 \times (2^{22/2} - 2^{2+2})) + 2/2) \\
&:= 3 + (((3/3 + 3)^{3+3} - 33) + 3/3) \\
&:= 4 + ((44/4 - 44) + (4+4)^4) \\
&:= 5 + (((5^5 - 5)/(5+5) + 5^5/5) + 5^5) \\
&:= (6 \times ((666 + 6) + 6)) - 6/6 \\
&:= 7 \times (7 \times (77 + 7) - 7) \\
&:= 8 + (((8 \times (8 \times 8 \times 8 - 8) + (88/8)) + 8) + 8) \\
&:= 9 + ((99 \times ((9 \times 9 \times 9 + 9)/(9+9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4068 &:= (1+1) \times ((1+1)^{11} - (1 + (1+1+11))) \\
&:= 2 \times ((2^{22/2} - 2^{2+2}) + 2) \\
&:= (3 \times 3 + 3) \times (333 + 3 + 3) \\
&:= 4 + (4 \times (4 \times 4^4 - (4+4))) \\
&:= (5/5 + 5) \times ((5^5 - 5 - 5)/5 + 55) \\
&:= 6 \times ((666 + 6) + 6) \\
&:= 7/7 + (7 \times (7 \times (77 + 7) - 7)) \\
&:= (8/8 + 8) \times (888/((8+8)/8) + 8) \\
&:= 9 + (99 \times ((9 \times 9 \times 9 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4069 &:= ((1+1)^{1+11}) - (1+1+1)^{1+1+1} \\
&:= 2 \times (2^{22/2} - 2) - 22 - 2/2 \\
&:= (3/3 + 3)^{3+3} - 3^3 \\
&:= (4+4)^4 - (44/4 + 4 \times 4) \\
&:= 5^5 + ((5 - 5/5)^5 - (5 \times 5 + 55)) \\
&:= 6/6 + (6 \times ((666 + 6) + 6)) \\
&:= (7+7)/7 + (7 \times (7 \times (77 + 7) - 7)) \\
&:= 8 \times 8 \times 8 \times 8 - (88/8 + 8 + 8) \\
&:= ((9 - 9/9) \times ((9+9)/9)^9) - (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4070 &:= (1+1) \times ((1+1)^{11} - (1+1+11)) \\
&:= 2 \times (2^{22/2} - 2) - 22 \\
&:= 3/3 + ((3/3 + 3)^{3+3} - 3^3) \\
&:= (4+4)^4 + ((4 - 44)/4 - 4 \times 4) \\
&:= 55 \times ((5 \times (5+5+5)) - 5/5) \\
&:= (6+6)/6 + (6 \times ((666 + 6) + 6)) \\
&:= (7+7+7)/7 + (7 \times (7 \times (77 + 7) - 7)) \\
&:= (8 - 88)/8 + (8 \times 8 \times 8 \times 8 - (8+8)) \\
&:= 99/9 + (99 \times ((9 \times 9 \times 9 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4071 &:= ((1+1) \times ((1+1)^{11} - (1+11))) - 1 \\
&:= 22 + (((2 \times 2 \times 22 + 2)^2) - 2)/2 \\
&:= (3 \times ((33/3)^3 + 3^3)) - 3 \\
&:= (4+4)^4 - (((4 \times 4 + 4/4) + 4) + 4) \\
&:= (5 - 5/5)^{5/5+5} - 5 \times 5 \\
&:= 666/6 + (6 \times (666 - 6)) \\
&:= 77/7 + ((7 \times (7 \times (77 + 7) - 7)) - 7) \\
&:= 8 \times 8 \times 8 \times 8 - (8/8 + 8 + 8 + 8) \\
&:= ((9 - 9/9) \times (((9+9)/9)^9) - ((9+9)/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4072 &:= (1+1) \times ((1+1)^{11} - (1+11)) \\
&:= 2^{2 \times (2+2+2)} - 22 - 2 \\
&:= 3 + ((3/3 + 3)^{3+3} - 3^3) \\
&:= (4+4)^4 - ((4 \times 4 + 4) + 4) \\
&:= 5/5 + ((5 - 5/5)^{5/5+5} - 5 \times 5) \\
&:= 6 + (((6+6)/6)^{6+6}) - 6 \times 6 + 6 \\
&:= 7 + ((7 \times (7 \times (77 + 7) - 7)) - ((7+7)/7)) \\
&:= 8 \times 8 \times 8 \times 8 - 8 - 8 - 8 \\
&:= (9 - 9/9) \times ((9 \times 999 + 9)/(9+9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4073 &:= ((1+1) \times ((1+1)^{11} - 11)) - 1 \\
&:= 2^{2 \times (2+2+2)} - 22 - 2/2 \\
&:= (3 \times ((33/3)^3 + 3^3)) - 3/3 \\
&:= 4 + ((4+4)^4 - (44/4 + 4 \times 4)) \\
&:= 5 + ((5/5 + 5) \times ((5^5 - 5 - 5)/5 + 55)) \\
&:= 6 + ((6 \times ((666 + 6) + 6)) - 6/6) \\
&:= 7 + ((7 \times (7 \times (77 + 7) - 7)) - 7/7) \\
&:= 8/8 + (8 \times 8 \times 8 \times 8 - (8+8+8)) \\
&:= (9 \times 9 - 9)^{(9+9)/9} - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4074 &:= (1+1) \times ((1+1)^{11} - 11) \\
&:= 2^{2 \times (2+2+2)} - 22 \\
&:= 3 \times ((33/3)^3 + 3^3) \\
&:= (4+4)^4 - (44/((4+4)/4)) \\
&:= (5/5 + 5) \times ((5^5 - 5)/5 + 55) \\
&:= 6 + (6 \times ((666 + 6) + 6)) \\
&:= 7 + (7 \times (7 \times (77 + 7) - 7)) \\
&:= 8 \times 8 \times 8 \times 8 - (88 + 88)/8 \\
&:= 9 + ((9 \times 9 \times 99 + 999/9)/(9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4075 &:= 1 + ((1+1) \times ((1+1)^{11} - 11)) \\
&:= 2/2 + (2^{2 \times (2+2+2)} - 22) \\
&:= 3 + (((3/3 + 3)^{3+3} - 3^3) + 3) \\
&:= (4+4)^4 - ((4 \times 4 + 4/4) + 4) \\
&:= 5 \times (55 \times (5+5+5) - (5+5)) \\
&:= 6 + ((6 \times ((666 + 6) + 6)) + 6/6) \\
&:= 7 + ((7 \times (7 \times (77 + 7) - 7)) + 7/7) \\
&:= 8 \times 8 \times 8 \times 8 + ((8 - (88 + 88))/8) \\
&:= (9 \times (9+9) + 9/9) \times (((9 - (9+9)/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4076 &:= (1+1) \times (1 + (1+1)^{11} - 11) \\
&:= 2 + (2^{2 \times (2+2+2)} - 22) \\
&:= 3 + ((3 \times ((33/3)^3 + 3^3)) - 3/3) \\
&:= (4+4)^4 - 4 \times 4 - 4 \\
&:= (5 - 5/5) \times ((5 - 5/5)^5 - 5) \\
&:= 6 + ((6 \times ((666 + 6) + 6)) + ((6+6)/6)) \\
&:= 7 + ((7 \times (7 \times (77 + 7) - 7)) + ((7+7)/7)) \\
&:= 8 \times 8 \times 8 \times 8 - ((88 + 88)/8 + 8) \\
&:= (((9+9)/9)^9) + ((9+9) \times (99+99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4077 &:= 1 + ((1+1) \times (1 + (1+1)^{11} - 11)) \\
&:= 2 + ((2^{2 \times (2+2+2)} - 22) + 2/2) \\
&:= 3 + (3 \times ((33/3)^3 + 3^3)) \\
&:= 4/4 + ((4+4)^4 - (4 \times 4 + 4)) \\
&:= 5/5 + ((5 - 5/5) \times ((5 - 5/5)^5 - 5)) \\
&:= 6 + ((6 \times (666 - 6)) + 666/6) \\
&:= ((77 - 7)/7) + (7 \times (7 \times (77 + 7) - 7)) \\
&:= 8 \times 8 \times 8 \times 8 - (88/8 + 8) \\
&:= 999 + ((9+9) \times (9 \times (9+9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4078 &:= (1+1) \times (1+(1+(1+1)^{11}-11)) \\
&:= (2 \times (2^{22/2} + 2)) - 22 \\
&:= (3/3 + 3)^{3+3} - (3 \times (3+3)) \\
&:= (4+4)^4 - ((4+4)/4 + 4 \times 4) \\
&:= (5+5)/5 + ((5-5/5) \times ((5-5/5)^5 - 5)) \\
&:= (((6+6)/6)^{6+6}) - 6 - 6 - 6 \\
&:= 77/7 + (7 \times (7 \times (77+7) - 7)) \\
&:= (8-88)/8 + (8 \times 8 \times 8 \times 8 - 8) \\
&:= (9-9/9) \times ((9+9)/9)^9 - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4079 &:= 1 + ((1+1) \times (1+(1+(1+1)^{11}-11))) \\
&:= 2/2 + ((2 \times (2^{22/2} + 2)) - 22) \\
&:= 3/3 + ((3/3 + 3)^{3+3} - (3 \times (3+3))) \\
&:= (4+4)^4 - (4 \times 4 + 4/4) \\
&:= 5 + ((5/5 + 5) \times ((5^5 - 5)/5 + 55)) \\
&:= 66/6 + (6 \times ((666+6) + 6)) \\
&:= (77+7)/7 + (7 \times (7 \times (77+7) - 7)) \\
&:= 8 \times 8 \times 8 \times 8 - (8/8 + 8 + 8) \\
&:= (9-9/9) \times (((9+9)/9)^9 - 9/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4080 &:= (1+1) \times (1+(1+(1+(1+1)^{11}-11))) \\
&:= 2 \times (2^{22/2} - 2 \times (2+2)) \\
&:= 3 + ((3 \times ((33/3)^3 + 3^3)) + 3) \\
&:= 4 \times (4 \times 4^4 - 4) \\
&:= (5/5 + 5) \times (5^5/5 + 55) \\
&:= 6 + ((6 \times ((666+6) + 6)) + 6) \\
&:= (7 \times 7 - 7/7) \times (7/7 + 77 + 7) \\
&:= 8 \times 8 \times 8 \times 8 - 8 - 8 \\
&:= (9-9/9) \times (((9+9)/9)^9 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4081 &:= ((1+1) \times ((1+1)^{11} - (1+1))) - 11 \\
&:= 2 \times (2^{22/2} - 2) - 22/2 \\
&:= 3 + ((3/3 + 3)^{3+3} - (3 \times (3+3))) \\
&:= 4/4 + 4 \times (4 \times 4^4 - 4) \\
&:= 5 + ((5-5/5) \times ((5-5/5)^5 - 5)) \\
&:= 6 + (((6 \times ((666+6) + 6)) + 6/6) + 6) \\
&:= 7 + ((7 \times (7 \times (77+7) - 7)) + 7) \\
&:= 8/8 + (8 \times 8 \times 8 \times 8 - (8+8)) \\
&:= 9 + ((9-9/9) \times (((9 \times 999+9)/(9+9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4082 &:= ((1+1)^{1+11}) - 1 - 1 - 1 - 11 \\
&:= 2 + (2 \times (2^{22/2} - 2 \times (2+2))) \\
&:= (3/3 + 3)^{3+3} - (33/3 + 3) \\
&:= (4+4)^4 + ((4+4)/4 - 4 \times 4) \\
&:= 5 + (((5-5/5) \times ((5-5/5)^5 - 5)) + 5/5) \\
&:= (((6+6)/6)^{6+6}) - ((6+6)/6 + 6 + 6) \\
&:= ((7/7 + 7)^{77/7-7}) - (7+7) \\
&:= (8+8)/8 + (8 \times 8 \times 8 \times 8 - (8+8)) \\
&:= 9 + ((9 \times 9 - 9)^{(9+9)/9} - 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4083 &:= ((1+1)^{1+11}) - 1 - 1 - 11 \\
&:= 2^{2 \times (2+2+2)} - (22/2 + 2) \\
&:= 3 \times (((33/3)^3 + 3^3) + 3) \\
&:= 4 + ((4+4)^4 - (4 \times 4 + 4/4)) \\
&:= 5^5 + (((5-5/5)^5 - (55/5 + 55)) \\
&:= (((6+6)/6)^{6+6}) - (6/6 + 6 + 6) \\
&:= 7 + (((7 \times (7 \times (77+7) - 7)) + ((7+7)/7)) + 7) \\
&:= 8 \times 8 \times 8 \times 8 - (88 + 8 + 8)/8 \\
&:= ((9-9/9) \times ((9+9)/9)^9) - (99 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4084 &:= ((1+1)^{1+11}) - 1 - 11 \\
&:= 2 \times (2^{22/2} - (2+2+2)) \\
&:= (3/3 + 3)^{3+3} - (3 \times 3 + 3) \\
&:= 4 + 4 \times (4 \times 4^4 - 4) \\
&:= 5^5 + (((5-5/5)^5 - (55 + 5 + 5)) \\
&:= (((6+6)/6)^{6+6}) - 6 - 6 \\
&:= 7 + ((7 \times (7 \times (77+7) - 7)) + ((77-7)/7)) \\
&:= 8 \times 8 \times 8 \times 8 - (88 + 8)/8 \\
&:= ((9-9/9) \times ((9+9)/9)^9) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4085 &:= ((1+1)^{1+11}) - 11 \\
&:= 2^{2 \times (2+2+2)} - 22/2 \\
&:= (3/3 + 3)^{3+3} - 33/3 \\
&:= (4+4)^4 - 44/4 \\
&:= 5 + ((5/5 + 5) \times (5^5/5 + 55)) \\
&:= (((6+6)/6)^{6+6}) - 66/6 \\
&:= 7 + ((7 \times (7 \times (77+7) - 7)) + (77/7)) \\
&:= 8 \times 8 \times 8 \times 8 - 88/8 \\
&:= ((9-9/9) \times ((9+9)/9)^9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4086 &:= 1 + (((1+1)^{1+11}) - 11) \\
&:= (2 \times (2^{22/2} - (2+2))) - 2 \\
&:= (3+3) \times (3 \times (3+3)^3 + 33) \\
&:= (4+4)^4 + (4-44)/4 \\
&:= (5-5/5)^{5/5+5} - 5 - 5 \\
&:= (6 \times 66 \times (6+6)) - 666 \\
&:= 7 + ((7 \times (7 \times (77+7) - 7)) + (77+7)/7) \\
&:= (8-88)/8 + 8 \times 8 \times 8 \times 8 \\
&:= 9 \times (((9 \times 9 \times 99 - 9)/(9+9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4087 &:= 1 + (1 + (((1+1)^{1+11}) - 11)) \\
&:= 2 + (2^{2 \times (2+2+2)} - 22/2) \\
&:= (3/3 + 3)^{3+3} - 3 \times 3 \\
&:= (4+4)^4 - (4/4 + 4 + 4) \\
&:= 5/5 + (((5-5/5)^{5/5+5} - (5+5)) \\
&:= (66 + 6/6) \times (66 - 6 + 6/6) \\
&:= 7 + ((7 \times 7 - 7/7) \times (7/7 + 77 + 7)) \\
&:= 8 \times 8 \times 8 \times 8 - (8/8 + 8) \\
&:= ((9-9/9) \times ((9+9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4088 &:= 1 + (1 + (1 + (((1+1)^{1+11}) - 11))) \\
&:= 2 \times (2^{22/2} - (2+2)) \\
&:= 3 + ((3/3 + 3)^{3+3} - 33/3) \\
&:= (4+4)^4 - 4 - 4 \\
&:= (5-5/5) \times (((5-5/5)^5 - ((5+5)/5)) \\
&:= (((6+6)/6)^{6+6}) - ((6+6)/6 + 6) \\
&:= (7 \times (7 \times (77+7) + 7)) - 77 \\
&:= 8 \times 8 \times 8 \times 8 - 8 \\
&:= (9-9/9) \times (((9+9)/9)^9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4089 &:= ((1+1) \times (1+(1+(1+1)^{11}))) - 11 \\
&:= 2/2 + (2 \times (2^{22/2} - (2+2))) \\
&:= 3 \times ((33/3)^3 + 33) - 3 \\
&:= 4 + ((4+4)^4 - 44/4) \\
&:= 5^5 + (((5-5/5)^5 - (55 + 5)) \\
&:= (((6+6)/6)^{6+6}) - 6/6 - 6 \\
&:= ((7/7 + 7)^{77/7-7}) - 7 \\
&:= 8/8 + (8 \times 8 \times 8 \times 8 - 8) \\
&:= 9 + ((9-9/9) \times (((9+9)/9)^9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4090 &:= (1+1) \times ((1+1)^{11} - (1+1+1)) \\
&:= 2 \times (2^{22/2} - 2) - 2 \\
&:= (3/3 + 3)^{3+3} - 3 - 3 \\
&:= (4+4)^4 - ((4+4)/4 + 4) \\
&:= (5-5/5)^{5/5+5} - (5/5 + 5) \\
&:= (((6+6)/6)^{6+6}) - 6 \\
&:= 7/7 + (((7/7 + 7)^{77/7-7}) - 7) \\
&:= (8+8)/8 + (8 \times 8 \times 8 \times 8 - 8) \\
&:= 9 \times 9 + ((9 \times 9 \times 99 - 9/9)/(9+9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4091 &:= ((1+1) \times ((1+1)^{11} - (1+1))) - 1 \\
&:= 2 \times (2^{22/2} - 2) - 2/2 \\
&:= 3/3 + ((3/3 + 3)^{3+3} - (3+3)) \\
&:= (4+4)^4 - 4/4 - 4 \\
&:= (5-5/5)^{5/5+5} - 5 \\
&:= 6/6 + (((6+6)/6)^{6+6}) - 6 \\
&:= 7 \times 7 \times (77+7) - (77/7 + 7 + 7) \\
&:= 88/8 + (8 \times 8 \times 8 \times 8 - (8+8)) \\
&:= 9 \times 9 + ((9 \times 9 \times 99 + 9/9)/(9+9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4092 &:= (1+1) \times ((1+1)^{11} - (1+1)) \\
&:= 2 \times (2^{22/2} - 2) \\
&:= 3 \times ((33/3)^3 + 33) \\
&:= (4+4)^4 - 4 \\
&:= 5/5 + (((5-5/5)^{5/5+5} - 5) \\
&:= 66 + (6 \times (666+6) - 6) \\
&:= (77+7)/7 \times (7 \times 7 \times 7 - ((7+7)/7)) \\
&:= 8 \times 8 \times 8 \times 8 - (8/((8+8)/8)) \\
&:= 99/9 \times ((99 \times 99/(9+9+9)) + 9)
\end{aligned}$$

- 4093 := $((1+1)^{1+11}) - 1 - 1 - 1$
:= $2/2 + 2 \times (2^{22/2} - 2)$
:= $(3/3 + 3)^{3+3} - 3$
:= $4/4 + ((4+4)^4 - 4)$
:= $5^5 + ((5-5/5)^5 - (55+5/5))$
:= $((6+6)/6)^{6+6} - 6 \times 6/(6+6)$
:= $7 \times 7 \times (77+7) - (((7+7)/7+7) + 7) + 7$
:= $8 + (8 \times 8 \times 8 \times 8 - (88/8))$
:= $(9-9/9) \times ((9+9)/9)^9 - (9+9+9)/9$
- 4094 := $(1+1) \times ((1+1)^{11} - 1)$
:= $2^{2 \times (2+2+2)} - 2$
:= $3/3 + ((3/3+3)^{3+3} - 3)$
:= $(4+4)^4 - (4+4)/4$
:= $5^5 + ((5-5/5)^5 - 55)$
:= $((6+6)/6)^{6+6} - (6+6)/6$
:= $7 \times 7 \times (77+7) - (7/7+7+7+7)$
:= $8 \times 8 \times 8 \times 8 - (8+8)/8$
:= $(9-9/9) \times ((9+9)/9)^9 - (9+9)/9$
- 4095 := $((1+1)^{1+11}) - 1$
:= $2^{2 \times (2+2+2)} - 2/2$
:= $(3/3+3)^{3+3} - 3/3$
:= $(4+4)^4 - 4/4$
:= $(5-5/5)^{5/5+5} - 5/5$
:= $((6+6)/6)^{6+6} - 6/6$
:= $7 \times 7 \times (77+7) - (7+7+7)$
:= $8 \times 8 \times 8 \times 8 - 8/8$
:= $9 \times ((9 \times 9 \times 99+9)/(9+9)) + 9$
- 4096 := $(1+1)^{1+11}$
:= $2^{2 \times (2+2+2)}$
:= $(3/3+3)^{3+3}$
:= $(4+4)^4$
:= $(5-5/5)^{5/5+5}$
:= $((6+6)/6)^{6+6}$
:= $(7/7+7)^{77/7-7}$
:= $8 \times 8 \times 8 \times 8$
:= $(9-9/9) \times ((9+9)/9)^9$
- 4097 := $1 + ((1+1)^{1+11})$
:= $2/2 + 2^{2 \times (2+2+2)}$
:= $3/3 + (3/3+3)^{3+3}$
:= $4/4 + (4+4)^4$
:= $5/5 + (5-5/5)^{5/5+5}$
:= $6/6 + (((6+6)/6)^{6+6})$
:= $7/7 + ((7/7+7)^{77/7-7})$
:= $8/8 + 8 \times 8 \times 8 \times 8$
:= $9/9 + ((9-9/9) \times ((9+9)/9)^9)$
- 4098 := $1 + (1 + ((1+1)^{1+11}))$
:= $2 + 2^{2 \times (2+2+2)}$
:= $3 + ((3/3+3)^{3+3} - 3/3)$
:= $(4+4)^4 + (4+4)/4$
:= $(5+5)/5 + (5-5/5)^{5/5+5}$
:= $66 + 6 \times (666+6)$
:= $7 \times 7 \times (77+7) - (77/7+7)$
:= $(8+8)/8 + 8 \times 8 \times 8 \times 8$
:= $(9+9)/9 + ((9-9/9) \times ((9+9)/9)^9)$
- 4099 := $1 + (1 + (1 + ((1+1)^{1+11})))$
:= $2 + (2^{2 \times (2+2+2)} + 2/2)$
:= $3 + (3/3+3)^{3+3}$
:= $4 + ((4+4)^4 - 4/4)$
:= $5 + (((5-5/5)^5 - 55) + 5^5)$
:= $66 + (6 \times (666+6) + 6/6)$
:= $((7-77)/7) + (7 \times 7 \times (77+7) - 7)$
:= $88/8 + (8 \times 8 \times 8 \times 8 - 8)$
:= $((9+9+9)/9) + ((9-9/9) \times ((9+9)/9)^9)$
- 4100 := $(1+1) \times (1 + (1 + (1+1)^{11}))$
:= $2 \times (2^{22/2} + 2)$
:= $3 + ((3/3+3)^{3+3} + 3/3)$
:= $4 + (4+4)^4$
:= $5 \times (55 \times (5+5+5) - 5)$
:= $6 + (((6+6)/6)^{6+6} - ((6+6)/6))$
:= $(7/7+7 \times 7) \times ((77 - (7+7)/7) + 7)$
:= $8 \times 8 \times 8 \times 8 + (8/((8+8)/8))$
:= $(9/9+9 \times 9) \times ((9 \times 99+9)/(9+9))$
- 4101 := $1 + ((1+1) \times (1 + (1 + (1+1)^{11})))$
:= $2/2 + (2 \times (2^{22/2} + 2))$
:= $3 \times (((33/3)^3 + 33) + 3)$
:= $4 + ((4+4)^4 + 4/4)$
:= $5 + (5-5/5)^{5/5+5}$
:= $6 + (((6+6)/6)^{6+6} - 6/6)$
:= $7 \times 7 \times (77+7) - (7/7+7+7)$
:= $8 + ((8 \times 8 \times 8 \times 8 - (88/8)) + 8)$
:= $((9+9) \times (9 \times (9+9+9) - 9)) - 999/9$
- 4102 := $(1+1) \times (1 + (1 + (1 + (1+1)^{11})))$
:= $2 + (2 \times (2^{22/2} + 2))$
:= $3 + ((3/3+3)^{3+3} + 3)$
:= $4 + ((4+4)^4 + (4+4)/4)$
:= $5 + ((5-5/5)^{5/5+5} + 5/5)$
:= $6 + (((6+6)/6)^{6+6})$
:= $7 \times 7 \times (77+7) - (7+7)$
:= $8 + (8 \times 8 \times 8 \times 8 - ((8+8)/8))$
:= $9 + (((9-9/9) \times ((9+9)/9)^9) - ((9+9+9)/9))$
- 4103 := $1 + ((1+1) \times (1 + (1 + (1 + (1+1)^{11}))))$
:= $2 + ((2 \times (2^{22/2} + 2)) + 2/2)$
:= $3 + (((3/3+3)^{3+3} + 3/3) + 3)$
:= $4 + (((4+4)^4 - 4/4) + 4)$
:= $5 + ((5-5/5)^{5/5+5} + ((5+5)/5))$
:= $6 + (((6+6)/6)^{6+6} + 6/6)$
:= $7 + ((7/7+7)^{77/7-7})$
:= $8 + (8 \times 8 \times 8 \times 8 - 8/8)$
:= $9 + (((9-9/9) \times ((9+9)/9)^9) - ((9+9)/9))$
- 4104 := $11 + (((1+1)^{1+11}) - (1+1+1))$
:= $2 \times ((2^{22/2} + 2) + 2)$
:= $3^{3+3} + (3 \times 3 + 3 + 3)^3$
:= $4 + ((4+4)^4 + 4)$
:= $5 + (((5-5/5)^5 - 55) + 5^5) + 5$
:= $6 \times (((666+6) + 6) + 6)$
:= $(77+7)/7 \times (7 \times 7 \times 7 - 7/7)$
:= $8 + 8 \times 8 \times 8 \times 8$
:= $(9-9/9) \times (((9+9)/9)^9) + 9/9$
- 4105 := $11 + ((1+1) \times ((1+1)^{11} - 1))$
:= $2/2 + (2 \times ((2^{22/2} + 2) + 2))$
:= $3 \times 3 + (3/3+3)^{3+3}$
:= $4 + (((4+4)^4 + 4/4) + 4)$
:= $5 + (5 \times (55 \times (5+5+5) - 5))$
:= $6/6 + (6 \times (((666+6) + 6) + 6))$
:= $7 \times 7 \times (77+7) - 77/7$
:= $8 + (8 \times 8 \times 8 \times 8 + 8/8)$
:= $9 + ((9-9/9) \times ((9+9)/9)^9)$
- 4106 := $11 + (((1+1)^{1+11}) - 1)$
:= $2 + (2 \times ((2^{22/2} + 2) + 2))$
:= $3 \times 3 + ((3/3+3)^{3+3} + 3/3)$
:= $(4+4)^4 + (44-4)/4$
:= $5 + ((5-5/5)^{5/5+5} + 5)$
:= $((66-6)/6) + (((6+6)/6)^{6+6})$
:= $((7-77)/7) + 7 \times 7 \times (77+7)$
:= $8 + (8 \times 8 \times 8 \times 8 + ((8+8)/8))$
:= $9 + (((9-9/9) \times ((9+9)/9)^9) + 9/9)$
- 4107 := $11 + ((1+1)^{1+11})$
:= $22/2 + 2^{2 \times (2+2+2)}$
:= $33/3 + (3/3+3)^{3+3}$
:= $44/4 + (4+4)^4$
:= $55/5 + (5-5/5)^{5/5+5}$
:= $66/6 + (((6+6)/6)^{6+6})$
:= $7 \times 7 \times (77+7) - ((7+7)/7+7)$
:= $88/8 + 8 \times 8 \times 8 \times 8$
:= $99/9 + ((9-9/9) \times ((9+9)/9)^9)$

$$\begin{aligned}
\blacktriangleright 4108 &:= 1 + (11 + ((1 + 1)^{1+11})) \\
&:= 2 \times (((2^{22/2} + 2) + 2) + 2) \\
&:= 3 + ((3/3 + 3)^{3+3} + 3 \times 3) \\
&:= 4 + (((4 + 4)^4 + 4) + 4) \\
&:= ((55 + 5)/5) + (5 - 5/5)^{5/5+5} \\
&:= 6 + (((6 + 6)/6)^{6+6} + 6) \\
&:= 7 \times 7 \times (77 + 7) - (7/7 + 7) \\
&:= ((88 + 8)/8) + 8 \times 8 \times 8 \times 8 \\
&:= 99 + ((9 \times 9 \times 99 - 9/9)/(9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4109 &:= 1 + (1 + (11 + ((1 + 1)^{1+11}))) \\
&:= 2 + (2^{2 \times (2+2+2)} + 22/2) \\
&:= 3 + (((3/3 + 3)^{3+3} + 3/3) + 3 \times 3) \\
&:= 4 + (((4 + 4)^4 + 4/4) + 4) + 4) \\
&:= 5 \times 55 \times (5 + 5 + 5) - (55/5 + 5) \\
&:= 6 + (((6 + 6)/6)^{6+6} + 6/6) + 6) \\
&:= 7 \times 7 \times (77 + 7) - 7 \\
&:= 8 \times 8 \times 8 \times 8 + (88 + 8 + 8)/8 \\
&:= 9 + ((9/9 + 9 \times 9) \times ((9 \times 99 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4110 &:= 1 + (1 + (1 + (11 + ((1 + 1)^{1+11})))) \\
&:= 2 + (2 \times (((2^{22/2} + 2) + 2) + 2)) \\
&:= 3 + ((3/3 + 3)^{3+3} + 33/3) \\
&:= 4 + ((44 - 4)/4 + (4 + 4)^4) \\
&:= (5 + 5 + 5) \times (5 \times 55 - 5/5) \\
&:= 6 + (6 \times (((666 + 6) + 6) + 6)) \\
&:= 7/7 + (7 \times 7 \times (77 + 7) - 7) \\
&:= 8 + ((8 \times 8 \times 8 \times 8 - ((8 + 8)/8)) + 8) \\
&:= 9 + (((9 + 9) \times (9 \times (9 + 9 + 9) - 9)) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4111 &:= 11 + ((1 + 1) \times (1 + (1 + (1 + 1)^{11}))) \\
&:= 22/2 + (2 \times (2^{22/2} + 2)) \\
&:= 3 + (((3/3 + 3)^{3+3} + 3 \times 3) + 3) \\
&:= 4 + (44/4 + (4 + 4)^4) \\
&:= 5 + (((5 - 5/5)^{5/5+5} + 5) + 5) \\
&:= 6 + ((6 \times (((666 + 6) + 6) + 6)) + 6/6) \\
&:= (7 + 7)/7 + (7 \times 7 \times (77 + 7) - 7) \\
&:= 8 + ((8 \times 8 \times 8 \times 8 - 8/8) + 8) \\
&:= ((9 + 9 + 9) \times (9 \times (9 + 9) - 9)) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4112 &:= 1 + (11 + ((1 + 1) \times (1 + (1 + (1 + 1)^{11})))) \\
&:= 2 \times (2^{22/2} + 2 \times (2 + 2)) \\
&:= 3^3 + ((3/3 + 3)^{3+3} - 33/3) \\
&:= 4 \times (4 \times 4^4 + 4) \\
&:= 5 + ((5 - 5/5)^{5/5+5} + (55/5)) \\
&:= 6 + (((6 + 6)/6)^{6+6} + ((66 - 6)/6)) \\
&:= 7 + (7 \times 7 \times (77 + 7) - (77/7)) \\
&:= 8 + (8 \times 8 \times 8 \times 8) \\
&:= (9 - 9/9) \times (((9 + 9)/9)^9) + ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4113 &:= 11 + ((1 + 1) \times (1 + (1 + (1 + (1 + 1)^{11})))) \\
&:= 2 + (2 \times (2^{22/2} + 2)) + 22/2) \\
&:= ((3 \times 3 + 3) \times ((3/3 + 3 + 3)^3)) - 3 \\
&:= 4 \times 4 + ((4 + 4)^4 + 4/4) \\
&:= 5 \times 55 \times (5 + 5 + 5) - (55 + 5)/5 \\
&:= 6 + (((6 + 6)/6)^{6+6} + (66/6)) \\
&:= 7 \times 7 \times (77 + 7) - (7 + 7 + 7)/7 \\
&:= 8 + ((8 \times 8 \times 8 \times 8 + 8/8) + 8) \\
&:= ((9 + 9 + 9) \times (9 \times (9 + 9) - 9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4114 &:= (1 + 1) \times (11 + ((1 + 1)^{11} - (1 + 1))) \\
&:= 22 + 2 \times (2^{22/2} - 2) \\
&:= (3 \times (3 + 3)) + (3/3 + 3)^{3+3} \\
&:= 4 \times 4 + ((4 + 4)^4 + (4 + 4)/4) \\
&:= 5 \times 55 \times (5 + 5 + 5) - 55/5 \\
&:= 6 + (((6 + 6)/6)^{6+6} + 6) + 6) \\
&:= 7 \times 7 \times (77 + 7) - (7 + 7)/7 \\
&:= 8 + ((8 \times 8 \times 8 \times 8 + ((8 + 8)/8)) + 8) \\
&:= 9 + (((9 - 9/9) \times ((9 + 9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4115 &:= ((1 + 1) \times (11 + ((1 + 1)^{11} - 1))) - 1 \\
&:= 22 + (2 \times (2^{22/2} - 2) + 2/2) \\
&:= 3/3 + ((3/3 + 3)^{3+3} + (3 \times (3 + 3))) \\
&:= 4 + ((44/4 + (4 + 4)^4) + 4) \\
&:= 5 \times 55 \times (5 + 5 + 5) - 5 - 5 \\
&:= 6 + (((6 + 6)/6)^{6+6} + 6/6) + 6) + 6) \\
&:= 7 \times 7 \times (77 + 7) - 7/7 \\
&:= 8 + (8 \times 8 \times 8 \times 8 + (88/8)) \\
&:= 9 + (((9 - 9/9) \times ((9 + 9)/9)^9) + 9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4116 &:= (1 + 1) \times (11 + ((1 + 1)^{11} - 1)) \\
&:= 22 + (2^{2 \times (2+2+2)} - 2) \\
&:= (3 \times 3 + 3) \times ((3/3 + 3 + 3)^3) \\
&:= 4 + ((4 + 4)^4 + 4 \times 4) \\
&:= (5 - 5/5) \times ((5 - 5/5)^5 + 5) \\
&:= 6 + ((6 \times (((666 + 6) + 6) + 6)) + 6) \\
&:= 7 \times 7 \times (77 + 7) \\
&:= 8 + (((88 + 8)/8) + 8 \times 8 \times 8 \times 8) \\
&:= 9 + (((9 - 9/9) \times ((9 + 9)/9)^9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4117 &:= ((1 + 1) \times (11 + (1 + 1)^{11})) - 1 \\
&:= 22 + (2^{2 \times (2+2+2)} - 2/2) \\
&:= 3 + ((3/3 + 3)^{3+3} + (3 \times (3 + 3))) \\
&:= 4 + (((4 + 4)^4 + 4/4) + 4 \times 4) \\
&:= 5^5 + ((5 - 5/5)^5 - ((5 + 5)/5)^5) \\
&:= 6 \times 666 + ((66/6) \times (66/6)) \\
&:= 7/7 + 7 \times 7 \times (77 + 7) \\
&:= 8 + ((88 + 8 + 8)/8 + 8 \times 8 \times 8 \times 8) \\
&:= 9 + (((9 \times 9 \times 99 - 9/9)/(9 + 9)/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4118 &:= (1 + 1) \times (11 + (1 + 1)^{11}) \\
&:= 22 + 2^{2 \times (2+2+2)} \\
&:= 33 + ((3/3 + 3)^{3+3} - 33/3) \\
&:= (4 + 4)^4 + (44/((4 + 4)/4)) \\
&:= 5 \times 55 \times (5 + 5 + 5) - ((5 + 5)/5 + 5) \\
&:= 6 \times 666 + ((666 + 66)/6) \\
&:= (7 + 7)/7 + 7 \times 7 \times (77 + 7) \\
&:= 8 \times 8 \times 8 \times 8 + (88 + 88)/8 \\
&:= 9 + (((9/9 + 9 \times 9) \times ((9 \times 99 + 9)/(9 + 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4119 &:= 1 + ((1 + 1) \times (11 + (1 + 1)^{11})) \\
&:= 22 + (2^{2 \times (2+2+2)} + 2/2) \\
&:= 3 + ((3 \times 3 + 3) \times ((3/3 + 3 + 3)^3)) \\
&:= 4 + (((44/4 + (4 + 4)^4) + 4) + 4) \\
&:= 5^5 + ((5 - 5/5)^5 - (5 \times 5 + 5)) \\
&:= 6 + (((6 + 6)/6)^{6+6} + (66/6) + 6) \\
&:= (7 + 7 + 7)/7 + 7 \times 7 \times (77 + 7) \\
&:= 8 + (((8 \times 8 \times 8 \times 8 - 8/8) + 8) + 8) \\
&:= ((9 + 9 + 9) \times (9 \times (9 + 9) - 9)) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4120 &:= (1 + 1) \times (1 + (11 + (1 + 1)^{11})) \\
&:= 2 + (2^{2 \times (2+2+2)} + 22) \\
&:= 3^3 + ((3/3 + 3)^{3+3} - 3) \\
&:= 4 + (((4 + 4)^4 + 4 \times 4) + 4) \\
&:= 5 \times 55 \times (5 + 5 + 5) - 5 \\
&:= 6 + (((6 + 6)/6)^{6+6} + 6) + 6) + 6) \\
&:= 77/7 + (7 \times 7 \times (77 + 7) - 7) \\
&:= 8 + ((8 \times 8 \times 8 \times 8 + 8) + 8) \\
&:= ((9 + 9 + 9) \times (9 \times (9 + 9) - 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4121 &:= 1 + ((1 + 1) \times (1 + (11 + (1 + 1)^{11}))) \\
&:= 2 + ((2^{2 \times (2+2+2)} + 2/2) + 22) \\
&:= 3^3 + (((3/3 + 3)^{3+3} - 3) + 3/3) \\
&:= 4 + (((4 + 4)^4 + 4/4) + 4 \times 4) + 4) \\
&:= 5 \times 5 + (5 - 5/5)^{5/5+5} \\
&:= 6 \times 6 + (((6 + 6)/6)^{6+6} - (66/6)) \\
&:= 7 + (7 \times 7 \times (77 + 7) - ((7 + 7)/7)) \\
&:= 8 + (((8 \times 8 \times 8 \times 8 + 8/8) + 8) + 8) \\
&:= ((9 + 9 + 9) \times (9 \times (9 + 9) - 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4122 &:= (1 + 1) \times (1 + (1 + (11 + (1 + 1)^{11}))) \\
&:= 22 + (2 \times (2^{22/2} + 2)) \\
&:= (33 \times (3 - 3/3 + 3)^3) - 3 \\
&:= 4 + ((44/((4 + 4)/4)) + (4 + 4)^4) \\
&:= 5 \times 5 + ((5 - 5/5)^{5/5+5} + 5/5) \\
&:= 6 \times (((6 \times 6)/(6 + 6))^6 - (6 \times 6 + 6)) \\
&:= 7 + (7 \times 7 \times (77 + 7) - 7/7) \\
&:= 8 + (((8 \times 8 \times 8 \times 8 + ((8 + 8)/8)) + 8) + 8) \\
&:= ((9 + 9 + 9) \times (9 \times (9 + 9) - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4123 &:= 1 + ((1+1) \times (1 + (1 + (11 + (1+1)^{11})))) \\
&:= 22 + ((2 \times (2^{22/2} + 2)) + 2/2) \\
&:= 3^3 + (3/3 + 3)^{3+3} \\
&:= 4 \times 4 + (44/4 + (4+4)^4) \\
&:= 5 \times 55 \times (5+5+5) - (5+5)/5 \\
&:= ((6/6 + 6 + 6) + 6) \times (6 \times 6 \times 6 + 6/6) \\
&:= 7 + 7 \times 7 \times (77 + 7) \\
&:= 8 + ((8 \times 8 \times 8 \times 8 + (88/8)) + 8) \\
&:= 9 + (((9-9/9) \times ((9+9)/9)^9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4124 &:= (1+1) \times (1 + (1 + (1 + (11 + (1+1)^{11})))) \\
&:= 2 + ((2 \times (2^{22/2} + 2)) + 22) \\
&:= 3^3 + ((3/3 + 3)^{3+3} + 3/3) \\
&:= 44 + 4 \times (4 \times 4^4 - 4) \\
&:= 5^5 + ((5-5/5)^5 - 5 \times 5) \\
&:= 6 \times 666 + (((6+6)/6)^{6+6}) \\
&:= 7 + (7 \times 7 \times (77 + 7) + 7/7) \\
&:= 8 + (((88+8)/8) + 8 \times 8 \times 8 \times 8) + 8 \\
&:= (9+9)/9 + (((9+9+9) \times (9 \times (9+9) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4125 &:= 11 \times (1 + (11 \times (1 + 11 \times (1 + 1 + 1)))) \\
&:= 2 + (((2 \times (2^{22/2} + 2)) + 2/2) + 22) \\
&:= 33 \times (3 - 3/3 + 3)^3 \\
&:= 44 + (4 \times (4 \times 4^4 - 4) + 4/4) \\
&:= 5 \times 55 \times (5+5+5) \\
&:= 6 \times 6 + (((6+6)/6)^{6+6}) - (6/6 + 6) \\
&:= 7 + (7 \times 7 \times (77 + 7) + ((7+7)/7)) \\
&:= (8 \times 8 - (8/8 + 8)) \times (88/8 + 8 \times 8) \\
&:= 9 + (((9-9/9) \times ((9+9)/9)^9) + (99/9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4126 &:= ((1+1)^{1+11}) + ((11-1) \times (1+1+1)) \\
&:= 22 + (2 \times ((2^{22/2} + 2) + 2)) \\
&:= 3 + ((3/3 + 3)^{3+3} + 3^3) \\
&:= 4 \times (4+4) + ((4+4)^4 - (4+4)/4) \\
&:= 5/5 + 5 \times 55 \times (5+5+5) \\
&:= 6 \times 6 + (((6+6)/6)^{6+6}) - 6 \\
&:= ((77-7)/7) + 7 \times 7 \times (77 + 7) \\
&:= 8 + ((88+88)/8 + 8 \times 8 \times 8 \times 8) \\
&:= 99 + (9 \times (9+9) \times (9+9) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4127 &:= 11 + ((1+1) \times (11 + ((1+1)^{11} - 1))) \\
&:= (2 \times (2^{22/2} + 2^{2+2})) - 2/2 \\
&:= 3 + (((3/3 + 3)^{3+3} + 3/3) + 3^3) \\
&:= 4 \times (4+4) + ((4+4)^4 - 4/4) \\
&:= (5+5)/5 + 5 \times 55 \times (5+5+5) \\
&:= 6 \times 6 + (((6+6)/6)^{6+6}) - 6 + 6/6 \\
&:= 77/7 + 7 \times 7 \times (77 + 7) \\
&:= 8 + (((8 \times 8 \times 8 \times 8 - 8/8) + 8) + 8) + 8 \\
&:= ((9-9 \times 9)/(9+9)) + ((9+9+9) \times (9 \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4128 &:= 11 + (((1+1) \times (11 + (1+1)^{11})) - 1) \\
&:= 2 \times (2^{22/2} + 2^{2+2}) \\
&:= 3 + (33 \times (3 - 3/3 + 3)^3) \\
&:= 4 \times ((4 \times 4^4 + 4) + 4) \\
&:= 5 + (5 \times 55 \times (5+5+5) - ((5+5)/5)) \\
&:= 66 + (6 \times 666 + 66) \\
&:= (77 + 7)/7 + 7 \times 7 \times (77 + 7) \\
&:= 8 + (((8 \times 8 \times 8 \times 8 + 8) + 8) + 8) \\
&:= ((9+9+9)/9) \times (9 \times (9 \times (9+9) - 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4129 &:= 11 + ((1+1) \times (11 + (1+1)^{11})) \\
&:= 22 + (2^{2 \times (2+2+2)} + 22/2) \\
&:= 33 + (3/3 + 3)^{3+3} \\
&:= 44 + ((4+4)^4 - 44/4) \\
&:= 5 + (((5-5/5)^5 - 5 \times 5) + 5^5) \\
&:= 66 + ((6 \times 666 + 66) + 6/6) \\
&:= 7 + ((7 \times 7 \times (77 + 7) - 7/7) + 7) \\
&:= 8 + (((8 \times 8 \times 8 \times 8 + 8/8) + 8) + 8) + 8 \\
&:= ((9+9+9) \times (9 \times (9+9) - 9)) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4130 &:= 1 + (11 + ((1+1) \times (11 + (1+1)^{11}))) \\
&:= 2 + (2 \times (2^{22/2} + 2^{2+2})) \\
&:= 3/3 + ((3/3 + 3)^{3+3} + 33) \\
&:= 44 + ((4-44)/4 + (4+4)^4) \\
&:= 5 + 5 \times 55 \times (5+5+5) \\
&:= 6 \times 6 + (((6+6)/6)^{6+6}) - ((6+6)/6) \\
&:= 7 + (7 \times 7 \times (77 + 7) + 7) \\
&:= 8 + (((8 \times 8 \times 8 \times 8 + ((8+8)/8)) + 8) + 8) + 8 \\
&:= (9/9 + 9) \times (((9+9)/9)^9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4131 &:= 11 + ((1+1) \times (1 + (11 + (1+1)^{11}))) \\
&:= (2^{2+2} + 2/2) \times (22^2 + 2)/2 \\
&:= 3 \times (3 \times (3+3)^3 + 3^{3+3}) \\
&:= 4 + ((4 \times (4+4) - 4/4) + (4+4)^4) \\
&:= 5 + (5 \times 55 \times (5+5+5) + 5/5) \\
&:= 6 \times 6 + (((6+6)/6)^{6+6}) - 6/6 \\
&:= 7 + ((7 \times 7 \times (77 + 7) + 7/7) + 7) \\
&:= 8 + (((8 \times 8 \times 8 \times 8 + (88/8)) + 8) + 8) \\
&:= (9+9+9) \times (9 \times (9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4132 &:= ((1+1)^{1+11}) + ((1+1+1) \times (1+11)) \\
&:= 2 \times (2^{22/2} + 2^{2+2}) + 2 \\
&:= 3 + ((3/3 + 3)^{3+3} + 33) \\
&:= 4 + (4 \times (4+4) + (4+4)^4) \\
&:= 5 + (5 \times 55 \times (5+5+5) + ((5+5)/5)) \\
&:= 6 \times 6 + (((6+6)/6)^{6+6}) \\
&:= 7 + ((7 \times 7 \times (77 + 7) + ((7+7)/7)) + 7) \\
&:= 8 \times 8 \times 8 \times 8 + ((8 \times 8 + 8)/(8+8)/8) \\
&:= 9/9 + ((9+9+9) \times (9 \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4133 &:= ((1+1)^{1+11}) + (111/(1+1+1)) \\
&:= 2 + ((2^{2+2} + 2/2) \times (22^2 + 2)/2) \\
&:= 3 + (((3/3 + 3)^{3+3} + 3/3) + 33) \\
&:= 4 + (((4+4)^4 - 44/4) + 44) \\
&:= 5^5 + ((5-5/5)^5 - (55/5+5)) \\
&:= 6 \times 6 + (((6+6)/6)^{6+6}) + 6/6 \\
&:= 7 + (7 \times 7 \times (77 + 7) + ((77-7)/7)) \\
&:= 8 \times 8 \times 8 \times 8 + 888/(8+8+8) \\
&:= (9+9)/9 + ((9+9+9) \times (9 \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4134 &:= 1 + (((1+1)^{1+11}) + (111/(1+1+1))) \\
&:= (2^{2+2+2} + 2)^2 - 222 \\
&:= 3 + (3 \times (3 \times (3+3)^3 + 3^{3+3})) \\
&:= 44 + ((4+4)^4 - ((4+4)/4 + 4)) \\
&:= 5^5 + ((5-5/5)^5 - (5+5+5)) \\
&:= 66 + (6 \times ((666+6) + 6)) \\
&:= 7 + (7 \times 7 \times (77 + 7) + (77/7)) \\
&:= 8 + (((88+88)/8 + 8 \times 8 \times 8 \times 8) + 8) \\
&:= ((9+9+9)/9) + ((9+9+9) \times (9 \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4135 &:= ((1+1)^{1+11}) + ((1+1+1) \times (1+1+11)) \\
&:= (2 \times ((2^{22/2} - 2) + 22)) - 2/2 \\
&:= 3 + (((3/3 + 3)^{3+3} + 33) + 3) \\
&:= 44 + ((4+4)^4 - (4/4 + 4)) \\
&:= 5 + (5 \times 55 \times (5+5+5) + 5) \\
&:= 66 + ((6 \times ((666+6) + 6)) + 6/6) \\
&:= 7 + (7 \times 7 \times (77 + 7) + (77 + 7)/7) \\
&:= 888/8 + (8 \times (8 \times 8 \times 8 - 8) - 8) \\
&:= 999 + (((999+9)/(9+9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4136 &:= (1+1) \times ((1+1)^{11} + ((1+1) \times (11-1))) \\
&:= 2 \times ((2^{22/2} - 2) + 22) \\
&:= 33/3 + (33 \times (3 - 3/3 + 3)^3) \\
&:= 44 + ((4+4)^4 - 4) \\
&:= 55/5 + 5 \times 55 \times (5+5+5) \\
&:= 6 + (((6+6)/6)^{6+6}) - ((6+6)/6) + 6 \times 6 \\
&:= 7 + (((7 \times 7 \times (77 + 7) - 7/7) + 7) + 7) \\
&:= 88 \times (8 \times 8 - (8/8 + 8 + 8)) \\
&:= (9-9/9) \times (((9 \times 999 - 9)/(9+9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4137 &:= 1 + ((1+1) \times ((1+1)^{11} + ((1+1) \times (11-1)))) \\
&:= 2/2 + (2 \times ((2^{22/2} - 2) + 22)) \\
&:= 3 + ((3 \times (3 \times (3+3)^3 + 3^{3+3})) + 3) \\
&:= 44 + (((4+4)^4 - 4) + 4/4) \\
&:= 5^5 + ((5-5/5)^5 - ((55+5)/5)) \\
&:= 6 + (((6+6)/6)^{6+6}) - 6/6 + 6 \times 6 \\
&:= 7 + ((7 \times 7 \times (77 + 7) + 7) + 7) \\
&:= ((8/8 + 8 \times 8)^{(8+8)/8}) - 88 \\
&:= ((99+9)/9 + 9) \times ((99-9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4138 &:= (1+1) \times (11 + (11 + ((1+1)^{11} - 1))) \\
&:= (2 \times (2^{22/2} + 22)) - 2 \\
&:= 3 \times 3 + ((3/3 + 3)^{3+3} + 33) \\
&:= 44 + ((4+4)^4 - (4+4)/4) \\
&:= 5^5 + ((5-5/5)^5 - 55/5) \\
&:= 6 + (((6+6)/6)^{6+6}) + 6 \times 6 \\
&:= 7 + (((7 \times 7 \times (77+7) + 7/7) + 7) + 7) \\
&:= 8 \times (8 \times 8 \times 8 + 8) - (88 + 88)/8 \\
&:= 9 + (((9+9+9) \times (9 \times (9+9) - 9)) - (9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4139 &:= ((1+1) \times (11 + (11 + (1+1)^{11}))) - 1 \\
&:= (2 \times (2^{22/2} + 22)) - 2/2 \\
&:= 3 + ((33 \times (3 - 3/3 + 3)^3) + 33/3) \\
&:= 44 + ((4+4)^4 - 4/4) \\
&:= 5^5 + ((5-5/5)^5 - (5+5)) \\
&:= 66 \times 66 - (6 \times 6 \times 6 + 6/6) \\
&:= 7 + (((7 \times 7 \times (77+7) + ((7+7)/7) + 7) + 7) \\
&:= 8 + (((8 \times 8 \times 8 + 8) + (88/8) + 8) + 8) \\
&:= 9 + ((9/9 + 9) \times (((9+9)/9)^9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4140 &:= (1+1) \times (11 + (11 + (1+1)^{11})) \\
&:= 2 \times (2^{22/2} + 22) \\
&:= 3 \times ((3 \times (3+3)^3 + 3^{3+3}) + 3) \\
&:= 44 + (4+4)^4 \\
&:= (5+5+5) \times (5 \times 55 + 5/5) \\
&:= 66 \times 66 - 6 \times 6 \times 6 \\
&:= (77+7)/7 \times (7 \times 7 \times 7 + ((7+7)/7)) \\
&:= 8 \times 8 \times 8 + 8 + (88/(8+8)/8) \\
&:= 9 + ((9+9+9) \times (9 \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4141 &:= 1 + ((1+1) \times (11 + (11 + (1+1)^{11}))) \\
&:= 2/2 + (2 \times (2^{22/2} + 22)) \\
&:= 3 + (((3/3 + 3)^{3+3} + 3 \times 3) + 33) \\
&:= 44 + ((4+4)^4 + 4/4) \\
&:= 5 + (5 \times 55 \times (5+5+5) + (55/5)) \\
&:= 6/6 + (66 \times 66 - 6 \times 6 \times 6) \\
&:= 7 + ((7 \times 7 \times (77+7) + (77/7) + 7) \\
&:= 8 \times (8 \times 8 \times 8 + 8) - (88/8 + 8) \\
&:= 9 + (((9+9+9) \times (9 \times (9+9) - 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4142 &:= (1+1) \times (1 + (11 + (11 + (1+1)^{11}))) \\
&:= 2 + (2 \times (2^{22/2} + 22)) \\
&:= 33/3 + (3 \times (3 \times (3+3)^3 + 3^{3+3})) \\
&:= 44 + ((4+4)^4 + (4+4)/4) \\
&:= 5^5 + ((5-5/5)^5 - ((5+5)/5 + 5)) \\
&:= (6+6)/6 + (66 \times 66 - 6 \times 6 \times 6) \\
&:= 7 + ((7 \times 7 \times (77+7) + (77+7)/7) + 7) \\
&:= (8-88)/8 + (8 \times (8 \times 8 \times 8) - 8) \\
&:= 99/9 + ((9+9+9) \times (9 \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4143 &:= ((1+111) \times (111/(1+1+1))) - 1 \\
&:= 2 + ((2 \times (2^{22/2} + 22)) + 2/2) \\
&:= 3333 + (3^3 \times (3^3 + 3)) \\
&:= 4 + (((4+4)^4 - 4/4) + 44) \\
&:= 5^5 + ((5-5/5)^5 - (5/5 + 5)) \\
&:= 666/6 + 6 \times (666 + 6) \\
&:= 77 + ((7 \times (7 \times (77+7) - 7)) - 7/7) \\
&:= 888/8 + 8 \times (8 \times 8 \times 8 - 8) \\
&:= (99+9)/9 + ((9+9+9) \times (9 \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4144 &:= (1+111) \times (111/(1+1+1)) \\
&:= 2 \times ((2^{22/2} + 22) + 2) \\
&:= 3 \times 3^3 + ((3/3 + 3)^{3+3} - 33) \\
&:= 4 + ((4+4)^4 + 44) \\
&:= 5^5 + ((5-5/5)^5 - 5) \\
&:= 6 + (((6+6)/6)^{6+6}) + 6 \times 6 + 6 \\
&:= 77 + (7 \times (7 \times (77+7) - 7)) \\
&:= 8 \times (8 \times 8 \times 8 + 8) - 8 - 8 \\
&:= ((999+9)/9) \times (((9/9+9+9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4145 &:= 1 + ((1+111) \times (111/(1+1+1))) \\
&:= 2/2 + (2 \times ((2^{22/2} + 22) + 2)) \\
&:= (3 \times ((33 \times (3 \times 3 + 33)) - 3)) - (3/3 + 3) \\
&:= 4 + (((4+4)^4 + 44) + 4/4) \\
&:= (5 \times (55 \times (5+5+5) + 5)) - 5 \\
&:= 6 + (66 \times 66 - (6 \times 6 \times 6 + 6/6)) \\
&:= 7 \times 7 + ((7/7 + 7)^{77/7-7}) \\
&:= 8/8 + (8 \times (8 \times 8 \times 8 + 8) - (8+8)) \\
&:= ((9 \times 9 + 9)/(9+9)) \times ((9 \times 9 \times 9 + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4146 &:= 1 + (1 + ((1+111) \times (111/(1+1+1)))) \\
&:= 2 + (2 \times ((2^{22/2} + 22) + 2)) \\
&:= (3 \times ((33 \times (3 \times 3 + 33)) - 3)) - 3 \\
&:= 4 + (((4+4)^4 + (4+4)/4) + 44) \\
&:= 55 + ((5-5/5)^{5/5+5} - 5) \\
&:= 6 + (66 \times 66 - 6 \times 6 \times 6) \\
&:= 7/7 + (((7/7 + 7)^{77/7-7}) + 7 \times 7) \\
&:= (8+8)/8 + (8 \times (8 \times 8 \times 8 + 8) - (8+8)) \\
&:= 9 + (((99+9)/9 + 9) \times ((99-9/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4147 &:= 11 \times (11 + ((1+1+1) \times (1+11^{1+1}))) \\
&:= 2 + ((2 \times ((2^{22/2} + 22) + 2)) + 2/2) \\
&:= 3^3 + (((3/3 + 3)^{3+3} - 3) + 3^3) \\
&:= 4 + (((4+4)^4 - 4/4) + 44) + 4 \\
&:= 5^5 + ((5-5/5)^5 - ((5+5)/5)) \\
&:= 6 + ((66 \times 66 - 6 \times 6 \times 6) + 6/6) \\
&:= (7 \times (7 \times (77+7) + 7)) - (77/7 + 7) \\
&:= 8 \times (8 \times 8 \times 8 + 8) - (88 + 8 + 8)/8 \\
&:= 9 + (((9+9+9) \times (9 \times (9+9) - 9)) - ((9+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4148 &:= (1+11^{1+1}) \times (1+11 \times (1+1+1)) \\
&:= 2 \times (((2^{22/2} + 22) + 2) + 2) \\
&:= (3/3 + 33) \times ((3^{3+3} + 3)/(3+3)) \\
&:= 4 + (((4+4)^4 + 44) + 4) \\
&:= 5^5 + ((5-5/5)^5 - 5/5) \\
&:= (66 - 6 + 6/6) \times (((6+6)/6) + 66) \\
&:= 7 + (((7 \times 7 \times (77+7) + (77/7)) + 7) + 7) \\
&:= 8 \times (8 \times 8 \times 8 + 8) - (88 + 8)/8 \\
&:= ((9-9/9) + 9) \times (9 \times (9+9+9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4149 &:= 1 + ((1+11^{1+1}) \times (1+11 \times (1+1+1))) \\
&:= 2/2 + (2 \times (((2^{22/2} + 22) + 2) + 2)) \\
&:= 3 \times ((33 \times (3 \times 3 + 33)) - 3) \\
&:= (4+4)^4 + (4^4 - 44)/4 \\
&:= 5^5 + (5-5/5)^5 \\
&:= 6 + (6 \times (666 + 6) + 666/6) \\
&:= ((7+7)/7 + 7) \times (7 \times 77 - (7/7 + 77)) \\
&:= 8 \times (8 \times 8 \times 8 + 8) - 88/8 \\
&:= 9 + (((9+9+9) \times (9 \times (9+9) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4150 &:= (1+1) \times ((1+1)^{11} + (1+1+1)^{1+1+1}) \\
&:= 2 + (2 \times ((2^{22/2} + 22) + 2) + 2) \\
&:= 3^3 + ((3/3 + 3)^{3+3} + 3^3) \\
&:= 44 + ((44-4)/4 + (4+4)^4) \\
&:= 5 \times (55 \times (5+5+5) + 5) \\
&:= 66 + (((6+6)/6)^{6+6}) - (6+6) \\
&:= (7/7 + 7 \times 7) \times (77 - 7/7 + 7) \\
&:= (8-88)/8 + 8 \times (8 \times 8 \times 8 + 8) \\
&:= ((9-9/9) \times (((9+9)/9)^9 + 9)) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4151 &:= ((1+1)^{1+11}) + (111-1)/(1+1) \\
&:= 22/2 + (2 \times (2^{22/2} + 22)) \\
&:= 3 + (3/3 + 33) \times (3^{3+3} + 3)/(3+3) \\
&:= 44 + (44/4 + (4+4)^4) \\
&:= 55 + (5-5/5)^{5/5+5} \\
&:= 66 + (((6+6)/6)^{6+6}) - (66/6) \\
&:= (7 \times (7 \times (77+7) + 7)) - (7+7) \\
&:= 8 \times (8 \times 8 \times 8 + 8) - (8/8 + 8) \\
&:= (9-9+9)/9 \times (((9+9)/9)^9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4152 &:= ((1+1)^{1+11}) + (1+111)/(1+1) \\
&:= 2 \times (((2^{22/2} + 22) + 2) + 2) + 2 \\
&:= 3 + (3 \times ((33 \times (3 \times 3 + 33)) - 3)) \\
&:= (4 \times 4 \times (4^4 + 4)) - 4 - 4 \\
&:= 5 + (((5-5/5)^5 - ((5+5)/5)) + 5^5) \\
&:= 6 + ((66 \times 66 - 6 \times 6 \times 6) + 6) \\
&:= 7 + (((7/7 + 7)^{77/7-7}) + 7 \times 7) \\
&:= 8 \times (8 \times 8 \times 8 + 8) - 8 \\
&:= (9-9/9) \times (((9+9)/9)^9) - ((9+9)/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4153 &:= 1 + (((1+1)^{1+11}) + (1+111)/(1+1)) \\
&:= 2 + ((2 \times (2^{22/2} + 22)) + 22/2) \\
&:= 3 + (((3/3+3)^{3+3} + 3^3) + 3^3) \\
&:= 4 + ((4^4 - 44)/4 + (4+4)^4) \\
&:= 5 + (((5-5/5)^5 - 5/5) + 5^5) \\
&:= ((66-6/6)^{(6+6)/6}) - (66+6) \\
&:= (7 \times (7 \times (77+7) + 7)) - (77+7)/7 \\
&:= 8/8 + (8 \times (8 \times 8 \times 8 + 8) - 8) \\
&:= 9 + (((999+9)/9) \times ((9/9+9+9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4154 &:= 1 + (1 + (((1+1)^{1+11}) + (1+111)/(1+1))) \\
&:= (2 \times 22)^2 + (2222 - (2+2)) \\
&:= (3 \times (33 \times (3 \times 3 + 33))) - (3/3 + 3) \\
&:= (4+4)^4 + ((4^4 - 4 - 4)/4 - 4) \\
&:= 5 + ((5-5/5)^5 + 5^5) \\
&:= (((6+6)/6)^6 \times (66-6/6)) - 6 \\
&:= (7 \times (7 \times (77+7) + 7)) - 77/7 \\
&:= (8+8)/8 + (8 \times (8 \times 8 \times 8 + 8) - 8) \\
&:= (((9+9)/9)^{99/9}) + (9 \times (9 \times (9+9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4155 &:= 11 + ((1+111) \times (111/(1+1+1))) \\
&:= 22/2 + (2 \times ((2^{22/2} + 22) + 2)) \\
&:= (3 \times (33 \times (3 \times 3 + 33))) - 3 \\
&:= (4+4)^4 + (((4^4 - 4)/4) - 4) \\
&:= 5 + (5 \times (55 \times (5+5+5) + 5)) \\
&:= 66 + (((6+6)/6)^{6+6}) - (6/6 + 6) \\
&:= ((7-77)/7) + (7 \times (7 \times (77+7) + 7)) \\
&:= 88/8 + (8 \times (8 \times 8 \times 8 + 8) - (8+8)) \\
&:= 9 \times 99 + ((99 \times 99 - 9)/(9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4156 &:= (1+1) \times ((1+1)^{11} + ((11-1) \times (1+1+1))) \\
&:= (2 \times 22)^2 + (2222 - 2) \\
&:= 3^3 + ((3/3+3)^{3+3} + 33) \\
&:= (4 \times 4 \times (4^4 + 4)) - 4 \\
&:= 5 + ((5-5/5)^{5/5+5} + 55) \\
&:= 66 + (((6+6)/6)^{6+6}) - 6 \\
&:= (7 \times (7 \times (77+7) + 7)) - ((7+7)/7 + 7) \\
&:= 8 \times (8 \times 8 \times 8 + 8) - (8/(8+8)/8) \\
&:= ((9+9)/9) \times ((99 \times ((99+9)/9 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4157 &:= ((1+1)^{1+11}) + ((1+11^{1+1})/(1+1)) \\
&:= (2 \times 22)^2 + (2222 - 2/2) \\
&:= (3 \times (33 \times (3 \times 3 + 33))) - 3/3 \\
&:= 4/4 + ((4 \times 4 \times (4^4 + 4)) - 4) \\
&:= ((5+5)/5)^5 + 5 \times 55 \times (5+5+5) \\
&:= 66 + (((6+6)/6)^{6+6}) - 6 + 6/6 \\
&:= (7 \times (7 \times (77+7) + 7)) - (7/7 + 7) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 8) - (88/8)) \\
&:= 9 + (((9-9/9) + 9) \times (9 \times (9+9+9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4158 &:= 1 + (((1+1)^{1+11}) + ((1+11^{1+1})/(1+1))) \\
&:= (2 \times 22)^2 + 2222 \\
&:= 3 \times (33 \times (3 \times 3 + 33)) \\
&:= (4+4)^4 + (4^4 - 4 - 4)/4 \\
&:= 5 + (((5-5/5)^5 - 5/5) + 5^5) + 5 \\
&:= 6 \times (((6 \times 6)/(6+6))^6) - 6 \times 6 \\
&:= (7 \times (7 \times (77+7) + 7)) - 7 \\
&:= 8 \times (8 \times 8 \times 8 + 8) - (8+8)/8 \\
&:= 99 \times ((99/(9+9+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4159 &:= 11 + ((1+11^{1+1}) \times (1+11 \times (1+1+1))) \\
&:= 2/2 + ((2 \times 22)^2 + 2222) \\
&:= 3/3 + (3 \times (33 \times (3 \times 3 + 33))) \\
&:= (4+4)^4 + ((4^4 - 4)/4) \\
&:= 5 + (((5-5/5)^5 + 5^5) + 5) \\
&:= ((66-6/6)^{(6+6)/6}) - 66 \\
&:= 7/7 + ((7 \times (7 \times (77+7) + 7)) - 7) \\
&:= 8 \times (8 \times 8 \times 8 + 8) - 8/8 \\
&:= ((9-9/9) \times ((9+9)/9)^9 + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4160 &:= (1+1) \times ((1+1)^{11} + ((11 \times (1+1+1)) - 1)) \\
&:= 2 + ((2 \times 22)^2 + 2222) \\
&:= ((3/3+3)^3) + (3/3+3)^{3+3} \\
&:= 4 \times 4 \times (4^4 + 4) \\
&:= ((5+5)/5)^5 \times (5 \times 5 \times 5 + 5) \\
&:= ((6+6)/6)^6 \times (66-6/6) \\
&:= (7+7)/7 + ((7 \times (7 \times (77+7) + 7)) - 7) \\
&:= 8 \times (8 \times 8 \times 8 + 8) \\
&:= (9-9/9) \times (((9+9)/9)^9) - 9/9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4161 &:= ((1+1) \times ((1+1)^{11} + (11 \times (1+1+1)))) - 1 \\
&:= (((2 \times 2 \times 22 + 2)^2) + 222)/2 \\
&:= 3 + (3 \times (33 \times (3 \times 3 + 33))) \\
&:= 4/4 + (4 \times 4 \times (4^4 + 4)) \\
&:= 5 + (((5-5/5)^{5/5+5} + 55) + 5) \\
&:= 66 + (((6+6)/6)^{6+6}) - 6/6 \\
&:= 7 + ((7 \times (7 \times (77+7) + 7)) - (77/7)) \\
&:= 8/8 + 8 \times (8 \times 8 \times 8 + 8) \\
&:= (9/9 + 9 + 9) \times ((999/9 + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4162 &:= (1+1) \times ((1+1)^{11} + (11 \times (1+1+1))) \\
&:= 22 + (2 \times (2^{22/2} + 22)) \\
&:= 33 + ((3/3+3)^{3+3} + 33) \\
&:= (4+4)^4 + ((4^4 + 4 + 4)/4) \\
&:= 5 + (5 \times 55 \times (5+5+5) + ((5+5)/5)^5) \\
&:= 66 + (((6+6)/6)^{6+6}) \\
&:= (7 \times (7 \times (77+7) + 7)) - (7+7+7)/7 \\
&:= (8+8)/8 + 8 \times (8 \times 8 \times 8 + 8) \\
&:= 9 \times ((9+9)/9)^9 - ((9 \times 9 \times 99 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4163 &:= 1 + ((1+1) \times ((1+1)^{11} + (11 \times (1+1+1)))) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) + 222)/2 \\
&:= 3 + ((3/3+3)^{3+3} + ((3/3+3)^3)) \\
&:= 4 + (((4^4 - 4)/4) + (4+4)^4) \\
&:= 5 \times 55 + ((5/5+5)^5/(5+5)/5) \\
&:= 66 + (((6+6)/6)^{6+6}) + 6/6 \\
&:= (7 \times (7 \times (77+7) + 7)) - (7+7)/7 \\
&:= 88/8 + (8 \times (8 \times 8 \times 8 + 8) - 8) \\
&:= 9 \times ((9+9)/9)^9 + ((9-9 \times 9 \times 99)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4164 &:= (1+1) \times (1 + ((1+1)^{11} + (11 \times (1+1+1)))) \\
&:= 2 \times (((2 \times (22+2))^2) - 222) \\
&:= 3 + ((3 \times (33 \times (3 \times 3 + 33))) + 3) \\
&:= 4 + (4 \times 4 \times (4^4 + 4)) \\
&:= 5 + (((5-5/5)^5 + 5^5) + 5) + 5 \\
&:= 6 + (6 \times (((6 \times 6)/(6+6))^6) - 6 \times 6) \\
&:= (7 \times (7 \times (77+7) + 7)) - 7/7 \\
&:= (8/(8+8)/8) + 8 \times (8 \times 8 \times 8 + 8) \\
&:= ((9+9+9)/9) \times (9 \times (9 \times (9+9) - 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4165 &:= 1 + ((1+1) \times (1 + ((1+1)^{11} + (11 \times (1+1+1)))))) \\
&:= 2/2 + ((2 \times 22 + 2)^2 + 2^{22/2}) \\
&:= 3 + (((3/3+3)^{3+3} + 33) + 33) \\
&:= 4 + ((4 \times 4 \times (4^4 + 4)) + 4/4) \\
&:= 5 + (((5+5)/5)^5 \times (5 \times 5 \times 5 + 5)) \\
&:= 6 + (((66-6/6)^{(6+6)/6}) - 66) \\
&:= 7 \times (7 \times (77+7) + 7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 8) - (88/8)) + 8) \\
&:= ((9-9/9) + 9) \times (9 \times (9+9+9) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4166 &:= (1+1) \times (1 + (1 + ((1+1)^{11} + (11 \times (1+1+1)))))) \\
&:= 2 + ((2 \times 22 + 2)^2 + 2^{22/2}) \\
&:= (3 \times ((33 \times (3 \times 3 + 33)) + 3)) - 3/3 \\
&:= 4 + (((4^4 + 4 + 4)/4) + (4+4)^4) \\
&:= 5 + (((5-5/5)^{5/5+5} + 55) + 5) + 5 \\
&:= 6 + (((6+6)/6)^6 \times (66-6/6)) \\
&:= 7/7 + (7 \times (7 \times (77+7) + 7)) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 8) - ((8+8)/8)) \\
&:= 9999 + ((9 \times (9 \times (9-9 \times 9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4167 &:= ((1+1)^{1+11}) + (((1+11)^{1+1})/(1+1)) - 1 \\
&:= (2/2 + 2)^2 \times ((22^2 - 22) + 2/2) \\
&:= 3 \times ((33 \times (3 \times 3 + 33)) + 3) \\
&:= 4 + (((4^4 - 4)/4) + (4+4)^4) + 4 \\
&:= 5^5 + ((5^5 + 5/5)/(5 - (5+5)/5)) \\
&:= 6 + (((6+6)/6)^{6+6}) - 6/6 + 66 \\
&:= (7+7)/7 + (7 \times (7 \times (77+7) + 7)) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 8) - 8/8) \\
&:= 9999 + (9 \times (9 \times (9-9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4168 &:= (1+1) \times ((1+1)^{11} + ((1+1+1) \times (1+11))) \\
&:= 2 \times ((2 \times (22-2))^2 + 22^2) \\
&:= (3 \times (3^3-3)) + (3/3+3)^{3+3} \\
&:= 4 + ((4 \times 4 \times (4^4+4)) + 4) \\
&:= 5 + (((5/5+5)^5 / ((5+5)/5)) + 5 \times 55) \\
&:= 6 + (((6+6)/6)^{6+6}) + 66 \\
&:= (7/7+7) \times (7 \times 77 - (77/7+7)) \\
&:= 8 + 8 \times (8 \times 8 \times 8 + 8) \\
&:= (9-9/9) \times (((9+9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4173 &:= 1 + ((1+1) \times (((1+1+11)^{1+1+1}) - 111)) \\
&:= (22/2)^2 + (2 \times (2^{22/2} - 22)) \\
&:= ((3+3) \times (3^{3+3} - 33)) - 3 \\
&:= (4+4)^4 + ((4-4/4)^4 - 4) \\
&:= 5 \times 5 + (((5-5/5)^5 - 5/5) + 5^5) \\
&:= 66 + (((6+6)/6)^{6+6}) + (66/6) \\
&:= 7 + ((7 \times (7 \times (77+7) + 7)) + 7/7) \\
&:= 88 + (8 \times 8 \times 8 \times 8 - (88/8)) \\
&:= ((99-9/9) + 9) \times (((99+9)/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4178 &:= 1 + (((1+1)^{1+1+1}) + (11-1-1)^{1+1}) \\
&:= 2 + (2 \times (2^{22/2} + 2 \times (22-2))) \\
&:= 3 + (((3+3) \times (3^{3+3} - 33)) - 3/3) \\
&:= 4/4 + ((4-4/4)^4 + (4+4)^4) \\
&:= 5 + (((5-5/5)^5 - 5/5) + 5^5) + 5 \times 5 \\
&:= (6+6)/6 + (6 \times ((666-6) + 6 \times 6)) \\
&:= 7 + (((7 \times (7 \times (77+7) + 7)) - 7/7) + 7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 8)) + ((8+8)/8) + 8) \\
&:= 9 + (((9-9/9) \times (((9+9)/9)^9 + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4169 &:= 1 + ((1+1) \times ((1+1)^{11} + ((1+1+1) \times (1+11)))) \\
&:= 2/2 + (2 \times ((2 \times (22-2))^2 + 22^2)) \\
&:= 33/3 + (3 \times (33 \times (3 \times 3 + 33))) \\
&:= 4 + (((4 \times 4 \times (4^4+4)) + 4/4) + 4) \\
&:= 5 \times 5 + (((5-5/5)^5 - 5) + 5^5) \\
&:= 6 + (((6+6)/6)^{6+6}) + 66 + 6/6 \\
&:= 77/7 + ((7 \times (7 \times (77+7) + 7)) - 7) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 8) + 8/8) \\
&:= 9/9 + ((9-9/9) \times (((9+9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4174 &:= (1+1) \times (1 + (((1+1+11)^{1+1+1}) - 111)) \\
&:= (2 \times (2^{22/2} + 2 \times (22-2))) - 2 \\
&:= 3 \times 3^3 + ((3/3+3)^{3+3} - 3) \\
&:= (4 \times (4 \times (4^4+4) + 4)) - (4+4)/4 \\
&:= 5 \times 5 + (((5-5/5)^5 + 5^5) \\
&:= 6 + (((6+6)/6)^{6+6}) + 66 + 6 \\
&:= 7 + ((7 \times (7 \times (77+7) + 7)) + ((7+7)/7)) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 8)) - ((8+8)/8) + 8) \\
&:= ((99/9) \times ((9+9)/9)^9) - 9 \times 9 \times (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4179 &:= (((1+111)^{1+1}) - 1) / (1+1+1) - 1 - 1 \\
&:= (2/2 - 22) \times ((2 - (22-2)^2) / 2) \\
&:= 3 + ((3+3) \times (3^{3+3} - 33)) \\
&:= 4 + ((4 \times (4 \times (4^4+4) + 4)) - 4/4) \\
&:= 5 + (((5-5/5)^5 + 5 \times 5) + 5^5) \\
&:= 666/6 + (6 \times ((666+6) + 6)) \\
&:= 7 + ((7 \times (7 \times (77+7) + 7)) + 7) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 8) + (88/8)) \\
&:= 99/9 + ((9-9/9) \times (((9+9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4170 &:= (1+1) \times ((1+1)^{11} + (111/(1+1+1))) \\
&:= 2 + (2 \times ((2 \times (22-2))^2 + 22^2)) \\
&:= 3 + (3 \times ((33 \times (3 \times 3 + 33)) + 3)) \\
&:= (4+4)^4 + (((4^4-4) + 44)/4) \\
&:= 5^5 + (55 \times (5 \times 5 - (5/5+5))) \\
&:= (6 \times ((666-6) + 6 \times 6)) - 6 \\
&:= 7 + ((7 \times (7 \times (77+7) + 7)) - ((7+7)/7)) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 8) + ((8+8)/8)) \\
&:= (9+9)/9 + ((9-9/9) \times (((9+9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4175 &:= ((1+1)^{1+1+1}) + ((11-1-1)^{1+1} - (1+1)) \\
&:= 2^{2 \times (2+2+2)} + ((2/2+2)^{2+2} - 2) \\
&:= ((3+3) \times (3^{3+3} - 33)) - 3/3 \\
&:= (4 \times (4 \times (4^4+4) + 4)) - 4/4 \\
&:= 5 \times ((55 \times (5+5+5) + 5) + 5) \\
&:= (6 \times ((666-6) + 6 \times 6)) - 6/6 \\
&:= ((77-7)/7) + (7 \times (7 \times (77+7) + 7)) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 8)) - 8/8 + 8) \\
&:= ((9+9) \times (9 \times (9+9+9) - (99/9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4180 &:= (111-1) \times (1 + (111/(1+1+1))) \\
&:= 2 \times ((2^{22/2} - 2) + 2 \times 22) \\
&:= 3 + ((3/3+3)^{3+3} + 3 \times 3^3) \\
&:= 4 + (4 \times (4 \times (4^4+4) + 4)) \\
&:= 55 + 5 \times 55 \times (5+5+5) \\
&:= 6 + (((6+6)/6)^{6+6}) + 66 + 6 + 6 \\
&:= (7/7 - 77) \times (7/7 - (7 \times 7 + 7)) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 8) + ((88+8)/8)) \\
&:= 99/9 \times ((9/9+9+9) \times (99/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4171 &:= 1 + ((1+1) \times ((1+1)^{11} + (111/(1+1+1)))) \\
&:= (22/2)^2 + (2 \times (2 \times 22 + 2/2)^2) \\
&:= 3 + (3/3+3)^{3+3} + 3 \times (3^3-3) \\
&:= 44/4 + (4 \times 4 \times (4^4+4)) \\
&:= 55 + ((5-5/5) \times ((5-5/5)^5 + 5)) \\
&:= 6/6 + ((6 \times ((666-6) + 6 \times 6)) - 6) \\
&:= 7 + ((7 \times (7 \times (77+7) + 7)) - 7/7) \\
&:= 88/8 + 8 \times (8 \times 8 \times 8 + 8) \\
&:= ((9 \times 9 - 99/9)^{(9+9)/9}) - 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4176 &:= ((1+1)^{1+1+1}) + ((11-1-1)^{1+1} - 1) \\
&:= 2 \times (2^{22/2} + 2 \times (22-2)) \\
&:= (3+3) \times (3^{3+3} - 33) \\
&:= 4 \times (4 \times (4^4+4) + 4) \\
&:= 5 \times 5 + ((5-5/5)^{5/5+5} + 55) \\
&:= 6 \times ((666-6) + 6 \times 6) \\
&:= 77/7 + (7 \times (7 \times (77+7) + 7)) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 8) + 8) \\
&:= (9+9) \times (9 \times (9+9+9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4181 &:= (((1+111)^{1+1}) - 1) / (1+1+1) \\
&:= ((2^{2+2+2} + 2/2)^2) - (2 \times 22) \\
&:= (33/3 + 3 + 3)^3 - (3^{3+3} + 3) \\
&:= 4 + ((4-4/4)^4 + (4+4)^4) \\
&:= 5^5 + (5555/5 - 55) \\
&:= 6 + ((6 \times ((666-6) + 6 \times 6)) - 6/6) \\
&:= 7 + (((7 \times (7 \times (77+7) + 7)) + ((7+7)/7)) + 7) \\
&:= 8 + ((8 \times 8 \times 8 \times 8 - (88/8)) + 88) \\
&:= 9 \times 9 + ((9/9+9 \times 9) \times ((9 \times 99 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4172 &:= (1+1) \times (((1+1+11)^{1+1+1}) - 111) \\
&:= 2 \times (((2 \times (22-2))^2 + 22^2) + 2) \\
&:= (33/3+3) \times (3 \times 3 \times 33 + 3/3) \\
&:= (4 \times (4 \times (4^4+4) + 4)) - 4 \\
&:= 5 + (((5^5+5/5)/(5-(5+5)/5)) + 5^5) \\
&:= 6 + (((6+6)/6)^6 \times (66-6/6)) + 6 \\
&:= 7 + (7 \times (7 \times (77+7) + 7)) \\
&:= ((88+8)/8) + 8 \times (8 \times 8 \times 8 + 8) \\
&:= 9 \times 99 + ((9 \times 9 \times 9 \times 9 + 9/9)/(9+9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4177 &:= ((1+1)^{1+1+1}) + (11-1-1)^{1+1} \\
&:= 2^{2 \times (2+2+2)} + (2/2+2)^{2+2} \\
&:= 3 \times 3^3 + (3/3+3)^{3+3} \\
&:= (4+4)^4 + (4-4/4)^4 \\
&:= 5^5 + ((5555+5)/5 - (55+5)) \\
&:= 6/6 + (6 \times ((666-6) + 6 \times 6)) \\
&:= (77+7)/7 + (7 \times (7 \times (77+7) + 7)) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 8)) + 8/8 + 8) \\
&:= 9 + ((9-9/9) \times (((9+9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4182 &:= 1 + (((1+111)^{1+1}) - 1) / (1+1+1) \\
&:= (2 \times (2^{22/2} + 2 \times 22)) - 2 \\
&:= 3 + (((3+3) \times (3^{3+3} - 33)) + 3) \\
&:= 4 + (((4-4/4)^4 + (4+4)^4) + 4/4) \\
&:= 5^5 + ((5555+5)/5 - 55) \\
&:= 6 + (6 \times ((666-6) + 6 \times 6)) \\
&:= 77 + (7 \times 7 \times (77+7) - (77/7)) \\
&:= 88 + (8 \times 8 \times 8 \times 8 - ((8+8)/8)) \\
&:= (9/9+9 \times 9) \times (9 \times (9+9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4183 &:= 1 + (1 + (((1 + 111)^{1+1}) - 1) / (1 + 1 + 1)) \\
&:= (2 \times (2^{22/2} + 2 \times 22)) - 2/2 \\
&:= 3 + (((3/3 + 3)^{3+3} + 3 \times 3^3) + 3) \\
&:= 44 + (((4 + 4)^4 - 4/4) + 44) \\
&:= 5^5 + ((5555 + 5 + 5) / 5 - 55) \\
&:= 6 + ((6 \times ((666 - 6) + 6 \times 6)) + 6/6) \\
&:= 7 + ((7 \times (7 \times (77 + 7) + 7)) + (77/7)) \\
&:= 88 + (8 \times 8 \times 8 \times 8 - 8/8) \\
&:= 9 + (((99/9) \times ((9 + 9) / 9)^9) - 9 \times 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4184 &:= (1 + 1) \times ((1 + 1)^{11} + ((1 + 1) \times (11 + 11))) \\
&:= 2 \times (2^{22/2} + 2 \times 22) \\
&:= (33/3 + 3 + 3)^3 - 3^{3+3} \\
&:= 44 + ((4 + 4)^4 + 44) \\
&:= 5 + (((5 - 5/5)^5 + 5 \times 5) + 5^5) + 5 \\
&:= 6 + ((6 \times ((666 - 6) + 6 \times 6)) + ((6 + 6) / 6)) \\
&:= (77 \times (7 \times 7 + 7)) - ((7 + 7) / 7)^7 \\
&:= 88 + 8 \times 8 \times 8 \times 8 \\
&:= (9 - 9/9) \times (((9 + 9) / 9)^9) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4185 &:= 111 + ((1 + 1) \times ((1 + 1)^{11} - 11)) \\
&:= 2/2 + (2 \times (2^{22/2} + 2 \times 22)) \\
&:= 3 \times ((3 \times 3 + 3)^3 - 333) \\
&:= 4 + (((4 - 4/4)^4 + (4 + 4)^4) + 4) \\
&:= 5 + (5 \times 55 \times (5 + 5 + 5) + 55) \\
&:= 6 + ((6 \times ((666 + 6) + 6)) + 666/6) \\
&:= 77 + (7 \times 7 \times (77 + 7) - (7/7 + 7)) \\
&:= 8/8 + (8 \times 8 \times 8 \times 8 + 88) \\
&:= (9 \times 9 - 9)^{(9+9)/9} - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4186 &:= 1 + (111 + ((1 + 1) \times ((1 + 1)^{11} - 11))) \\
&:= 2 + (2 \times (2^{22/2} + 2 \times 22)) \\
&:= (3 \times (3^3 + 3)) + (3/3 + 3)^{3+3} \\
&:= 4444 - ((4 + 4) / 4 + 4^4) \\
&:= 5 + ((5555/5 - 55) + 5^5) \\
&:= 6 + ((((((6 + 6) / 6)^{6+6}) + 66) + 6) + 6) + 6 \\
&:= 77 + (7 \times 7 \times (77 + 7) - 7) \\
&:= 88 + (8 \times 8 \times 8 \times 8 + ((8 + 8) / 8)) \\
&:= 9 + (((9 - 9/9) \times (((9 + 9) / 9)^9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4187 &:= 111 + ((1 + 1) \times (1 + (1 + 1)^{11} - 11)) \\
&:= (2 \times ((2 \times 22 + 2)^2 - 22)) - 2/2 \\
&:= 3 + ((33/3 + 3 + 3)^3 - 3^{3+3}) \\
&:= 4444 - (4/4 + 4^4) \\
&:= 5 + (((5555 + 5) / 5 - 55) + 5^5) \\
&:= 66/6 + (6 \times ((666 - 6) + 6 \times 6)) \\
&:= 7 + ((7/7 - 77) \times (7/7 - (7 \times 7 + 7))) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 8) + (88/8)) + 8) \\
&:= 99 + ((9 - 9/9) \times (((9 + 9) / 9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4188 &:= 1 + (111 + ((1 + 1) \times (1 + (1 + 1)^{11} - 11))) \\
&:= 2 \times ((2 \times 22 + 2)^2 - 22) \\
&:= 3 + (3 \times (3 \times 3 + 3)^3 - 333) \\
&:= 4444 - 4^4 \\
&:= 5^5 + (((5 - 5^5) / (5 + 5)) + 5 \times 5 \times 55) \\
&:= (66 \times ((6 + 6) / 6)^6) - 6 \times 6 \\
&:= (77 + 7) / 7 \times ((7 \times 7 \times 7 - 7/7) + 7) \\
&:= 88 + (8 \times 8 \times 8 \times 8 + (8 / ((8 + 8) / 8))) \\
&:= 9 + (((9 - 9/9) \times (((9 + 9) / 9)^9 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4189 &:= 111 + ((1 + 1) \times (1 + (1 + (1 + 1)^{11} - 11))) \\
&:= 2/2 + (2 \times ((2 \times 22 + 2)^2 - 22)) \\
&:= 3 + ((3/3 + 3)^{3+3} + (3 \times (3^3 + 3))) \\
&:= 4/4 + (4444 - 4^4) \\
&:= (5 + 5 + 5) \times (5 \times 55 + 5) - 55/5 \\
&:= ((66 - 6/6)^{(6+6)/6}) - 6 \times 6 \\
&:= ((77 + 7) \times (7/7 + 7 \times 7)) - 77/7 \\
&:= 8 + (((8 \times 8 \times 8 \times 8 - (88/8)) + 88) + 8) \\
&:= 9999/9 + ((9 + 9) \times (9 \times (9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4190 &:= (11 - 1) \times (1 + (11 \times (1 + (111 / (1 + 1 + 1)))))) \\
&:= 2 + (2 \times ((2 \times 22 + 2)^2 - 22)) \\
&:= 3 + (((33/3 + 3 + 3)^3 - 3^{3+3}) + 3) \\
&:= (4 + 4) / 4 + (4444 - 4^4) \\
&:= (5 + 5 + 5) \times (5 \times 55 + 5) - 5 - 5 \\
&:= 6 \times 6 + (((6 + 6) / 6)^6 \times (66 - 6/6)) - 6 \\
&:= 7 + (((7 \times (7 \times (77 + 7) + 7)) + (77/7)) + 7) \\
&:= 8 + ((8 \times 8 \times 8 \times 8 - ((8 + 8) / 8)) + 88) \\
&:= (9/9 + 9) \times (((9 \times 999 + 9) / (9 + 9)) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4191 &:= 11 \times (11 + ((1111 - 1) / (1 + 1 + 1))) \\
&:= 222 + ((2^{2+2+2} - 2/2)^2) \\
&:= 3 \times (((33/3)^3 + 33) + 33) \\
&:= 4 + (4444 - (4/4 + 4^4)) \\
&:= ((5 - 5/5) \times ((5 - 5/5)^5 + 5 \times 5)) - 5 \\
&:= 6 \times 666 + ((6 \times 66 - 6) / ((6 + 6) / 6)) \\
&:= 7 + ((77 \times (7 \times 7 + 7)) - ((7 + 7) / 7)^7) \\
&:= 8 + ((8 \times 8 \times 8 \times 8 - 8/8) + 88) \\
&:= ((99/9 + 9) \times (999/9 + 99)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4192 &:= 11 + (((1 + 111)^{1+1}) - 1) / (1 + 1 + 1) \\
&:= 2 \times (((2 \times 22 + 2)^2 - 22) + 2) \\
&:= 3 \times 33 + ((3/3 + 3)^{3+3} - 3) \\
&:= 4 + (4444 - 4^4) \\
&:= (5 + 5) / 5 \times (5^5 - ((5 - 5/5)^5 + 5)) \\
&:= 6 \times 6 + (((6 + 6) / 6)^{6+6} - 6) + 66 \\
&:= 77 + (7 \times 7 \times (77 + 7) - 7/7) \\
&:= 8 + (8 \times 8 \times 8 \times 8 + 88) \\
&:= (9 - 9/9) \times (((9 + 9) / 9)^9) + (99 + 9) / 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4193 &:= 1 + (11 + (((1 + 111)^{1+1}) - 1) / (1 + 1 + 1)) \\
&:= 2 + (((2^{2+2+2} - 2/2)^2) + 222) \\
&:= ((3 + 3) \times ((3^{3+3} - 33) + 3)) - 3/3 \\
&:= 4 + ((4444 - 4^4) + 4/4) \\
&:= ((5 + 5) / 5 + 5) \times ((5^5 - 5) / 5 - 5 \times 5) \\
&:= (6/6 + 6) \times (666 - 66 - 6/6) \\
&:= 77 + 7 \times 7 \times (77 + 7) \\
&:= 8 + ((8 \times 8 \times 8 \times 8 + 88) + 8/8) \\
&:= 9 + ((9 - 9/9) \times (((9 + 9) / 9)^9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4194 &:= 111 + (((1 + 1)^{1+11}) - (1 + 1 + 11)) \\
&:= 2 + (2 \times ((2 \times 22 + 2)^2 - 22) + 2) \\
&:= (3 + 3) \times ((3^{3+3} - 33) + 3) \\
&:= 4 + ((4444 - 4^4) + (4 + 4) / 4) \\
&:= 55 + (((5 - 5/5)^5 - (5 + 5)) + 5^5) \\
&:= 6 + ((66 \times ((6 + 6) / 6)^6) - 6 \times 6) \\
&:= 7/7 + (7 \times 7 \times (77 + 7) + 77) \\
&:= 8 + ((8 \times 8 \times 8 \times 8 + ((8 + 8) / 8)) + 88) \\
&:= (9 + 9) \times (9 \times (9 + 9 + 9) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4195 &:= 111 + (((1 + 1)^{1+11}) - (1 + 11)) \\
&:= 22/2 + (2 \times (2^{22/2} + 2 \times 22)) \\
&:= 3 \times 33 + (3/3 + 3)^{3+3} \\
&:= 4 + ((4444 - (4/4 + 4^4)) + 4) \\
&:= (5 + 5 + 5) \times (5 \times 55 + 5) - 5 \\
&:= 6 + (((66 - 6/6)^{(6+6)/6}) - 6 \times 6) \\
&:= 77 + (7 \times 7 \times (77 + 7) + ((7 + 7) / 7)) \\
&:= 88 + (8 \times 8 \times 8 \times 8 + (88/8)) \\
&:= 99 + ((9 - 9/9) \times ((9 + 9) / 9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4196 &:= 111 + (((1 + 1)^{1+11}) - 11) \\
&:= 2 \times (((2 \times 22 + 2)^2 - 22) + 2) + 2 \\
&:= 3/3 + ((3/3 + 3)^{3+3} + 3 \times 33) \\
&:= 4 + ((4444 - 4^4) + 4) \\
&:= (5 - 5/5) \times ((5 - 5/5)^5 + 5 \times 5) \\
&:= 6 \times 6 + (((6 + 6) / 6)^6 \times (66 - 6/6)) \\
&:= 7 + (((77 + 7) \times (7/7 + 7 \times 7)) - (77/7)) \\
&:= 88 + (((88 + 8) / 8) + 8 \times 8 \times 8) \\
&:= 9/9 + (((9 - 9/9) \times ((9 + 9) / 9)^9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4197 &:= 1 + (111 + (((1 + 1)^{1+11}) - 11)) \\
&:= 2^{2 \times (2+2+2)} + 2222/22 \\
&:= 3 + ((3 + 3) \times ((3^{3+3} - 33) + 3)) \\
&:= (4 + 4)^4 + (4444/44) \\
&:= ((5 + 5) / 5 \times (5^5 - (5 - 5/5)^5)) - 5 \\
&:= 6 \times 6 + (((6 + 6) / 6)^{6+6} - 6/6) + 66 \\
&:= 77 + ((7 \times 7 \times (77 + 7) - 7) + (77/7)) \\
&:= 8 \times 8 \times 8 \times 8 + (8888/88) \\
&:= 99 + (((9 - 9/9) \times ((9 + 9) / 9)^9) + ((9 + 9) / 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4198 &:= 1 + (1 + (111 + (((1 + 1)^{1+11}) - 11))) \\
&:= 2 \times (2222 - ((22/2)^2 + 2)) \\
&:= 3 + ((3/3 + 3)^{3+3} + 3 \times 33) \\
&:= (4 + 4)^4 + ((444 - 4)/4 - (4 + 4)) \\
&:= (5 + 5 + 5) \times (5 \times 55 + 5) - (5 + 5)/5 \\
&:= 6 \times 6 + (((6 + 6)/6)^{6+6} + 66) \\
&:= ((77 + 7) \times (7/7 + 7 \times 7)) - (7 + 7)/7 \\
&:= 8 \times 8 \times 8 \times 8 + ((888 - 8)/8 - 8) \\
&:= 9 + (((9 + 9) \times (9 \times (9 + 9) + 9)) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4199 &:= (((1 + 1) \times (11 - 1)) - 1) \times ((1 + 1) \times 111 - 1) \\
&:= (22 - (2/2 + 2)) \times (222 - 2/2) \\
&:= 3 + (((3/3 + 3)^{3+3} + 3 \times 33) + 3/3) \\
&:= 44/4 + (4444 - 4^4) \\
&:= 55 + (((5 - 5/5)^5 - 5) + 5^5) \\
&:= (6 \times (666 + 6 \times 6)) - (6/6 + 6 + 6) \\
&:= ((77 + 7) \times (7/7 + 7 \times 7)) - 7/7 \\
&:= 888/8 + (8 \times 8 \times 8 \times 8 - 8) \\
&:= ((9 - 9/9) + 9) \times (((9 + 9)/9)^{9-9/9} - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4200 &:= (1 + 1) \times ((11 + (11 - 1)) \times (11 - 1)^{1+1}) \\
&:= 2 \times ((2 \times 22 + 2)^2 - 2^{2+2}) \\
&:= (3 + 3)^3 + (3 \times ((33/3)^3 - 3)) \\
&:= 44 + ((4 \times 4 \times (4^4 + 4)) - 4) \\
&:= (5 + 5 + 5) \times (5 \times 55 + 5) \\
&:= (6/6 + 6) \times (666 - 66) \\
&:= (77 + 7) \times (7/7 + 7 \times 7) \\
&:= 8 + ((8 \times 8 \times 8 \times 8 + 88) + 8) \\
&:= (99/9 + 9) \times (999/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4201 &:= 111 + ((1 + 1) \times ((1 + 1)^{11} - (1 + 1 + 1))) \\
&:= (2 \times 2222) - (22^2 + 2)/2 \\
&:= 3 + (((3/3 + 3)^{3+3} + 3 \times 33) + 3) \\
&:= 4 + ((4444/44) + (4 + 4)^4) \\
&:= 5/5 + (5 + 5 + 5) \times (5 \times 55 + 5) \\
&:= (6 \times (666 + 6 \times 6)) - 66/6 \\
&:= 7/7 + ((77 + 7) \times (7/7 + 7 \times 7)) \\
&:= 8 + (((8 \times 8 \times 8 \times 8 + 88) + 8/8) + 8) \\
&:= ((9 + 9) \times (9 \times (9 + 9) + 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4202 &:= (1 + 1) \times (((1 + 1) \times 1111) - 11^{1+1}) \\
&:= 2 \times (2222 - (22/2)^2) \\
&:= 3^3 + (((3 + 3) \times (3^{3+3} - 33)) - 3/3) \\
&:= (4 + 4)^4 + ((444 - 4)/4 - 4) \\
&:= (5 + 5)/5 \times (5^5 - (5 - 5/5)^5) \\
&:= (6 - 66)/6 + (6 \times (666 + 6 \times 6)) \\
&:= (7 + 7)/7 + ((77 + 7) \times (7/7 + 7 \times 7)) \\
&:= 8 + (((8 \times 8 \times 8 \times 8 + ((8 + 8)/8)) + 88) + 8) \\
&:= ((9 + 9) \times (9 \times (9 + 9) + 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4203 &:= 111 + ((1 + 1) \times ((1 + 1)^{11} - (1 + 1))) \\
&:= ((2^{2+2+2} + 2/2)^2) - 22 \\
&:= 3 \times ((3 \times ((3 + 3) \times (3 \times 3^3 - 3))) - 3) \\
&:= (4 + 4)^4 + (444/4 - 4) \\
&:= 55 + (((5 - 5/5)^5 - 5/5) + 5^5) \\
&:= 6 \times (6 + 6 + 6) + (((6 + 6)/6)^{6+6} - 6/6) \\
&:= (7 \times ((7 \times (77 + 7) + 7) + 7)) - 77/7 \\
&:= 8 + ((8 \times 8 \times 8 \times 8 + (88/8)) + 88) \\
&:= ((9 + 9) \times (9 \times (9 + 9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4204 &:= 111 + (((1 + 1)^{1+11}) - (1 + 1 + 1)) \\
&:= 2 + (2 \times (2222 - (22/2)^2)) \\
&:= (3 \times (33 + 3)) + (3/3 + 3)^{3+3} \\
&:= 44 + (4 \times 4 \times (4^4 + 4)) \\
&:= 55 + ((5 - 5/5)^5 + 5^5) \\
&:= 6 \times (6 + 6 + 6) + (((6 + 6)/6)^{6+6}) \\
&:= 77 + (7 \times 7 \times (77 + 7) + (77/7)) \\
&:= 8 \times (8 \times 8 \times 8 + 8) + (88/((8 + 8)/8)) \\
&:= 9 + (((9 - 9/9) \times ((9 + 9)/9)^9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4205 &:= 111 + ((1 + 1) \times ((1 + 1)^{11} - 1)) \\
&:= 2 + (((2^{2+2+2} + 2/2)^2) - 22) \\
&:= 3/3 + ((3/3 + 3)^{3+3} + (3 \times (33 + 3))) \\
&:= 44 + ((4 \times 4 \times (4^4 + 4)) + 4/4) \\
&:= 5 + (5 + 5 + 5) \times (5 \times 55 + 5) \\
&:= (6 \times (666 + 6 \times 6)) - 6/6 - 6 \\
&:= 7 + (((77 + 7) \times (7/7 + 7 \times 7)) - ((7 + 7)/7)) \\
&:= 8 \times 8 \times 8 \times 8 + ((888 - (8 + 8))/8) \\
&:= (9 + 9)/9 + (((9 + 9) \times (9 \times (9 + 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4206 &:= 111 + (((1 + 1)^{1+11}) - 1) \\
&:= (2 \times ((2 \times 22 + 2)^2 - 2)) - 22 \\
&:= (3 + 3) \times (3^{3+3} - (3^3 + 3/3)) \\
&:= (4 + 4)^4 + (444 - 4)/4 \\
&:= 5 + ((5 + 5 + 5) \times (5 \times 55 + 5) + 5/5) \\
&:= (6 \times (666 + 6 \times 6)) - 6 \\
&:= 7 + (((77 + 7) \times (7/7 + 7 \times 7)) - 7/7) \\
&:= 8 \times 8 \times 8 \times 8 + (888 - 8)/8 \\
&:= 99 + (((9 - 9/9) \times ((9 + 9)/9)^9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4207 &:= 111 + ((1 + 1)^{1+11}) \\
&:= 222/2 + 2^{2 \times (2+2+2)} \\
&:= 333/3 + (3/3 + 3)^{3+3} \\
&:= (4 + 4)^4 + 444/4 \\
&:= 5 + ((5 + 5)/5 \times (5^5 - (5 - 5/5)^5)) \\
&:= 6/6 + ((6 \times (666 + 6 \times 6)) - 6) \\
&:= 7 + ((77 + 7) \times (7/7 + 7 \times 7)) \\
&:= 888/8 + 8 \times 8 \times 8 \times 8 \\
&:= 999/9 + ((9 - 9/9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4208 &:= 1 + (111 + ((1 + 1)^{1+11})) \\
&:= 2 \times (2 \times (2 \times ((22 \times (22 + 2)) - 2))) \\
&:= (3 + 3)^3 + ((3 \times (33/3)^3) - 3/3) \\
&:= 4 \times (4 \times (4^4 - 4) + 44) \\
&:= 5 + (((5 - 5/5)^5 - 5/5) + 5^5) + 55 \\
&:= (6 + 6)/6 + ((6 \times (666 + 6 \times 6)) - 6) \\
&:= 7 + (((77 + 7) \times (7/7 + 7 \times 7)) + 7/7) \\
&:= (8 \times (8 \times 8 \times 8 + 8 + 8)) - 8 - 8 \\
&:= 9 + (((9 - 9/9) + 9) \times (((9 + 9)/9)^{9-9/9} - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4209 &:= 1 + (1 + (111 + ((1 + 1)^{1+11}))) \\
&:= 2 + (2^{2 \times (2+2+2)} + 222/2) \\
&:= (3 + 3)^3 + (3 \times (33/3)^3) \\
&:= 4/4 + (4 \times (4 \times (4^4 - 4) + 44)) \\
&:= 5 + (((5 - 5/5)^5 + 55) + 5^5) \\
&:= 66 \times 66 - (666/6 + 6 \times 6) \\
&:= 7 + (((77 + 7) \times (7/7 + 7 \times 7)) + ((7 + 7)/7)) \\
&:= ((8/8 + 8 \times 8)^{(8+8)/8}) - 8 - 8 \\
&:= 9 + ((99/9 + 9) \times (999/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4210 &:= 1 + (1 + (1 + (111 + ((1 + 1)^{1+11})))) \\
&:= (2 \times (2 \times 22 + 2)^2) - 22 \\
&:= 3 + ((3/3 + 3)^{3+3} + 333/3) \\
&:= 4 + ((444 - 4)/4 + (4 + 4)^4) \\
&:= 5 + ((5 + 5 + 5) \times (5 \times 55 + 5) + 5) \\
&:= (6 \times (666 + 6 \times 6)) - (6 + 6)/6 \\
&:= 7 + ((7 \times ((7 \times (77 + 7) + 7) + 7)) - (77/7)) \\
&:= ((8 - (8 + 8)/8) \times (8 \times 88 - 8/8)) - 8 \\
&:= ((9 + 9) \times (9 \times (9 + 9) + 9)) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4211 &:= 111 + ((1 + 1) \times (1 + (1 + (1 + 1)^{11}))) \\
&:= 2/2 + ((2 \times (2 \times 22 + 2)^2) - 22) \\
&:= ((3 + 3) \times (3^{3+3} - 3^3)) - 3/3 \\
&:= 4 + (444/4 + (4 + 4)^4) \\
&:= 5^5 + (5555/5 - 5 \times 5) \\
&:= (6 \times (666 + 6 \times 6)) - 6/6 \\
&:= 77/7 + ((77 + 7) \times (7/7 + 7 \times 7)) \\
&:= 8 + (((8 \times 8 \times 8 \times 8 + (88/8)) + 88) + 8) \\
&:= ((9 + 9) \times (9 \times (9 + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4212 &:= 1 + (111 + ((1 + 1) \times (1 + (1 + (1 + 1)^{11})))) \\
&:= 2 + ((2 \times (2 \times 22 + 2)^2) - 22) \\
&:= (3 + 3) \times (3^{3+3} - 3^3) \\
&:= 4 + (4 \times (4 \times (4^4 - 4) + 44)) \\
&:= 5^5 + ((5555 + 5)/5 - 5 \times 5) \\
&:= 6 \times (666 + 6 \times 6) \\
&:= (77 + 7)/7 \times ((7 \times 7 \times 7 + 7/7) + 7) \\
&:= (8 - (8 + 8)/8) \times (8 \times 88 - ((8 + 8)/8)) \\
&:= (9 + 9) \times (9 \times (9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4213 &:= 11 \times (((1+11) \times ((11 \times (1+1+1)) - 1)) - 1) \\
&:= (22/2)^2 + 2 \times (2^{22/2} - 2) \\
&:= 3/3 + ((3+3) \times (3^{3+3} - 3^3)) \\
&:= (4 \times 4 \times (4^4 + 4 + 4)) - 44/4 \\
&:= 5^5 + ((5+5)/5 \times (555 - (55/5))) \\
&:= 6/6 + (6 \times (666 + 6 \times 6)) \\
&:= (7 \times ((7 \times (77 + 7) + 7) + 7)) - 7/7 \\
&:= (8 \times (8 \times 8 \times 8 + 8 + 8)) - 88/8 \\
&:= 9/9 + ((9+9) \times (9 \times (9+9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4214 &:= 11^{1+1} + (((1+1)^{1+11}) - (1+1+1)) \\
&:= (2 \times ((2 \times 22 + 2)^2 + 2)) - 22 \\
&:= 3 + (((3+3) \times (3^{3+3} - 3^3)) - 3/3) \\
&:= 4 + (((444 - 4)/4 + (4+4)^4) + 4) \\
&:= 5 + (((5 - 5/5)^5 + 55) + 5^5) + 5 \\
&:= (6+6)/6 + (6 \times (666 + 6 \times 6)) \\
&:= 7 \times ((7 \times (77 + 7) + 7) + 7) \\
&:= 8 + ((888 - 8)/8 + 8 \times 8 \times 8 \times 8) \\
&:= (9+9)/9 + ((9+9) \times (9 \times (9+9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4215 &:= 11^{1+1} + ((1+1) \times ((1+1)^{11} - 1)) \\
&:= (22/2)^2 + (2^{2 \times (2+2+2)} - 2) \\
&:= 3 + ((3+3) \times (3^{3+3} - 3^3)) \\
&:= 4 + ((444/4 + (4+4)^4) + 4) \\
&:= 5^5 + (55 \times (5 \times 5 - 5) - (5+5)) \\
&:= (6 \times 6/(6+6)) + (6 \times (666 + 6 \times 6)) \\
&:= 7/7 + (7 \times ((7 \times (77 + 7) + 7) + 7)) \\
&:= 8 + (888/8 + 8 \times 8 \times 8 \times 8) \\
&:= ((9+9+9)/9) + ((9+9) \times (9 \times (9+9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4216 &:= 11^{1+1} + (((1+1)^{1+11}) - 1) \\
&:= 2 \times (2 \times (2 \times ((22 + 2/2)^2 - 2))) \\
&:= 3 + (((3+3) \times (3^{3+3} - 3^3)) + 3/3) \\
&:= (4 \times 4 + 4/4) \times (4^4 - 4 - 4) \\
&:= 5 + ((5555/5 - 5 \times 5) + 5^5) \\
&:= 6 + ((6 \times (666 + 6 \times 6)) - ((6+6)/6)) \\
&:= (7+7)/7 + (7 \times ((7 \times (77 + 7) + 7) + 7)) \\
&:= (8 \times (8 \times 8 \times 8 + 8 + 8)) - 8 \\
&:= (((999+9)/(9+9)) + 9)^{(9+9)/9} - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4217 &:= 11^{1+1} + ((1+1)^{1+11}) \\
&:= (22/2)^2 + 2^{2 \times (2+2+2)} \\
&:= 3 + (((3+3) \times (3^{3+3} - 3^3)) - 3/3) + 3 \\
&:= (4+4)^4 + ((44/4)^{(4+4)/4}) \\
&:= 5 + (((5555+5)/5 - 5 \times 5) + 5^5) \\
&:= 6 + ((6 \times (666 + 6 \times 6)) - 6/6) \\
&:= ((7/7 + 7) \times (7 \times 77 - (77/7))) - 7 \\
&:= ((8/8 + 8 \times 8)^{(8+8)/8}) - 8 \\
&:= ((9 \times 9 + 9)/(9+9)) + ((9+9) \times (9 \times (9+9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4218 &:= 1 + (11^{1+1} + ((1+1)^{1+11})) \\
&:= 222 \times (22 - (2/2 + 2)) \\
&:= 3 + (((3+3) \times (3^{3+3} - 3^3)) + 3) \\
&:= (4+4)^4 + (444 + 44)/4 \\
&:= 5^5 + (55 \times (5 \times 5 - 5) - ((5+5)/5 + 5)) \\
&:= 6 + (6 \times (666 + 6 \times 6)) \\
&:= 777/7 \times (7 \times 7 - 77/7) \\
&:= (8 - (8+8)/8) \times (8 \times 88 - 8/8) \\
&:= 999/9 \times ((99/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4219 &:= 1 + (1 + (11^{1+1} + ((1+1)^{1+11}))) \\
&:= 2 + (2^{2 \times (2+2+2)} + (22/2)^2) \\
&:= 3 + (((3+3) \times (3^{3+3} - 3^3)) + 3/3) + 3 \\
&:= (4 \times 4 \times (4^4 + 4 + 4)) - 4/4 - 4 \\
&:= 5^5 + (55 \times (5 \times 5 - 5) - (5/5 + 5)) \\
&:= ((66 - 6/6)^{(6+6)/6}) - 6 \\
&:= 7 + ((77 + 7)/7 \times ((7 \times 7 \times 7 + 7/7) + 7)) \\
&:= 8/8 + ((8 - (8+8)/8) \times (8 \times 88 - 8/8)) \\
&:= 9 + (((9+9) \times (9 \times (9+9+9) - 9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4220 &:= 1 + (1 + (1 + (11^{1+1} + ((1+1)^{1+11})))) \\
&:= 2 + (222 \times (22 - (2/2 + 2))) \\
&:= 3 \times 3 + (((3+3) \times (3^{3+3} - 3^3)) - 3/3) \\
&:= (4 \times 4 \times (4^4 + 4 + 4)) - 4 \\
&:= 5^5 + (55 \times (5 \times 5 - 5) - 5) \\
&:= 6 + ((6 \times (666 + 6 \times 6)) + ((6+6)/6)) \\
&:= 7 + ((7 \times ((7 \times (77 + 7) + 7) + 7)) - 7/7) \\
&:= (88 \times (88 + 8) - 8)/((8+8)/8) \\
&:= 9 + (((9+9) \times (9 \times (9+9+9) - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4221 &:= 11^{1+1} + ((1+1) \times (1 + (1 + (1+1)^{11}))) \\
&:= (2 \times (2 \times 22 + 2)^2) - 22/2 \\
&:= 3 \times ((3 \times ((3+3) \times (3 \times 3^3 - 3))) + 3) \\
&:= ((4^4 + 4)/4)^{(4+4)/4} - 4 \\
&:= 5 \times 5 \times 5 + (5 - 5/5)^{5/5+5} \\
&:= (66 + 6/6) \times (66 - (6 \times 6/(6+6))) \\
&:= 7 + (7 \times ((7 \times (77 + 7) + 7) + 7)) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 8 + 8)) - (88/8)) \\
&:= 9 + ((9+9) \times (9 \times (9+9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4222 &:= (1+1) \times (((1+1) \times 1111) - 111) \\
&:= (2 \times 2222) - 222 \\
&:= 3^3 + ((3/3 + 3)^{3+3} + 3 \times 33) \\
&:= (4+4)^4 + ((4^4 - 4)/((4+4)/4)) \\
&:= 5^5 + ((55 \times (5 \times 5 - 5) - 5) + ((5+5)/5)) \\
&:= (66 \times ((6+6)/6)^6) - (6+6)/6 \\
&:= 7 + ((7 \times ((7 \times (77 + 7) + 7) + 7)) + 7/7) \\
&:= (8 \times (8 \times 8 \times 8 + 8 + 8)) - (8+8)/8 \\
&:= 9 + (((9+9) \times (9 \times (9+9+9) - 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4223 &:= 1 + ((1+1) \times (((1+1) \times 1111) - 111)) \\
&:= ((2^{2+2+2} + 2/2)^2) - 2 \\
&:= 33/3 + ((3+3) \times (3^{3+3} - 3^3)) \\
&:= (4 \times 4 \times (4^4 + 4 + 4)) - 4/4 \\
&:= 5^5 + (55 \times (5 \times 5 - 5) - ((5+5)/5)) \\
&:= (66 \times ((6+6)/6)^6) - 6/6 \\
&:= 7 + ((7 \times ((7 \times (77 + 7) + 7) + 7)) + ((7+7)/7)) \\
&:= (8 \times (8 \times 8 \times 8 + 8 + 8)) - 8/8 \\
&:= 99/9 + ((9+9) \times (9 \times (9+9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4224 &:= 11 \times ((1+11) \times ((11 \times (1+1+1)) - 1)) \\
&:= 2 \times (2 \times (2 \times (22 \times (22 + 2)))) \\
&:= 33 \times ((3 - 3/3 + 3)^3 + 3) \\
&:= 4 \times 4 \times (4^4 + 4 + 4) \\
&:= 5^5 + (55 \times (5 \times 5 - 5) - 5/5) \\
&:= 66 \times ((6+6)/6)^6 \\
&:= (7/7 + 7) \times (7 \times 77 - (77/7)) \\
&:= 8 \times (8 \times 8 \times 8 + 8 + 8) \\
&:= 9 \times 99 + (9999/(9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4225 &:= (1 + ((1+1)^{(1+1) \times (1+1+1)}))^{1+1} \\
&:= (2^{2+2+2} + 2/2)^2 \\
&:= (((3/3 + 3)^3) + 3/3)^{3-3/3} \\
&:= ((4^4 + 4)/4)^{(4+4)/4} \\
&:= 5^5 + 55 \times (5 \times 5 - 5) \\
&:= (66 - 6/6)^{(6+6)/6} \\
&:= (77 - (77 + 7)/7)^{(7+7)/7} \\
&:= (8/8 + 8 \times 8)^{(8+8)/8} \\
&:= (((999+9)/(9+9)) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4226 &:= 1 + ((1 + ((1+1)^{(1+1) \times (1+1+1)}))^{1+1}) \\
&:= (2 \times ((2 \times 22 + 2)^2 - 2)) - 2 \\
&:= 3 + (((3+3) \times (3^{3+3} - 3^3)) + 33/3) \\
&:= 4/4 + ((4^4 + 4)/4)^{(4+4)/4} \\
&:= 5^5 + (55 \times (5 \times 5 - 5) + 5/5) \\
&:= 6/6 + ((66 - 6/6)^{(6+6)/6}) \\
&:= 7 \times 7 \times (77 + 7) + (777 - 7)/7 \\
&:= 8/8 + ((8/8 + 8 \times 8)^{(8+8)/8}) \\
&:= 9/9 + (((999+9)/(9+9)) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4227 &:= ((1+1)^{1+11}) + ((11 \times (1+11)) - 1) \\
&:= 2 + ((2^{2+2+2} + 2/2)^2) \\
&:= 3 + ((33 \times 3^3) + 3333) \\
&:= 4 + ((4 \times 4 \times (4^4 + 4 + 4)) - 4/4) \\
&:= 5^5 + (55 \times (5 \times 5 - 5) + ((5+5)/5)) \\
&:= (6+6)/6 + ((66 - 6/6)^{(6+6)/6}) \\
&:= 777/7 + 7 \times 7 \times (77 + 7) \\
&:= 88/8 + ((8 \times (8 \times 8 \times 8 + 8 + 8)) - 8) \\
&:= 9 + (999/9 \times ((99/9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4228 &:= ((1+1)^{1+11}) + (11 \times (1+11)) \\
&:= 2 \times ((2 \times 22 + 2)^2 - 2) \\
&:= 3 + (((3/3 + 3)^3) + 3/3)^{3-3/3} \\
&:= 4 + (4 \times 4 \times (4^4 + 4 + 4)) \\
&:= ((5+5)/5 + 5) \times ((55 \times 55 - 5)/5) \\
&:= 66 + (((6+6)/6)^{6+6}) + 66 \\
&:= (77 \times (7 \times 7 + 7)) - 77 - 7 \\
&:= (88 \times (88 + 8) + 8)/(8 + 8/8) \\
&:= ((9/9 + 9 + 9) + 9) \times (9 \times (9 + 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4229 &:= 1 + (((1+1)^{1+11}) + (11 \times (1+11))) \\
&:= 2 + (((2^{2+2+2} + 2/2)^2) + 2) \\
&:= ((3+3) \times ((3^{3+3} - 3^3) + 3)) - 3/3 \\
&:= 4 + ((4^4 + 4)/4)^{(4+4)/4} \\
&:= 5 + ((55 \times (5 \times 5 - 5) - 5/5) + 5^5) \\
&:= 6 + ((66 \times ((6+6)/6)^6) - 6/6) \\
&:= 7/7 + ((77 \times (7 \times 7 + 7)) - (77 + 7)) \\
&:= 8 + (((8 \times (8 \times 8 + 8 + 8)) - (88/8)) + 8) \\
&:= ((9/9 + 9) \times ((9+9)/9)^9) - 9 \times 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4230 &:= 1 + (1 + (((1+1)^{1+11}) + (11 \times (1+11)))) \\
&:= (2 \times (2 \times 22 + 2)^2) - 2 \\
&:= (3+3) \times ((3^{3+3} - 3^3) + 3) \\
&:= 4 + (((4^4 + 4)/4)^{(4+4)/4} + 4/4) \\
&:= 5 + (55 \times (5 \times 5 - 5) + 5^5) \\
&:= 6 + (66 \times ((6+6)/6)^6) \\
&:= (7 - ((7+7)/7)) \times ((77 \times 77 - 7)/7) \\
&:= (8 - (8+8)/8) \times (8 \times 88 + 8/8) \\
&:= 9 + (((9+9) \times (9 \times (9+9+9) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4231 &:= 111 + ((1+1) \times (1 + (11 + (1+1)^{11}))) \\
&:= (2 \times (2 \times 22 + 2)^2) - 2/2 \\
&:= 3/3 + ((3+3) \times ((3^{3+3} - 3^3) + 3)) \\
&:= 4 + (((4 \times 4 \times (4^4 + 4 + 4)) - 4/4) + 4) \\
&:= 5^5 + (5555/5 - 5) \\
&:= 6 + ((66 - 6/6)^{(6+6)/6}) \\
&:= 7 + ((7/7 + 7) \times (7 \times 77 - (77/7))) \\
&:= 8 + ((8 \times (8 \times 8 + 8 + 8)) - 8/8) \\
&:= ((9 - 9/9) \times (((9+9)/9)^9 + 9) + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4232 &:= (1+1) \times (((1+1) \times (1 + (11 + 11)))^{1+1}) \\
&:= 2 \times (2 \times 22 + 2)^2 \\
&:= 3 + (((3+3) \times ((3^{3+3} - 3^3) + 3)) - 3/3) \\
&:= 4 + ((4 \times 4 \times (4^4 + 4 + 4)) + 4) \\
&:= 5^5 + ((5555 + 5)/5 - 5) \\
&:= 6 + (((66 - 6/6)^{(6+6)/6}) + 6/6) \\
&:= 7 + ((77 - (77 + 7)/7)^{(7+7)/7}) \\
&:= 8 + (8 \times (8 \times 8 + 8 + 8)) \\
&:= 9 + (((9+9) \times (9 \times (9+9+9) - 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4233 &:= 1 + ((1+1) \times (((1+1) \times (1 + (11 + 11)))^{1+1})) \\
&:= 2/2 + (2 \times (2 \times 22 + 2)^2) \\
&:= 3 + ((3+3) \times ((3^{3+3} - 3^3) + 3)) \\
&:= 4 + (((4^4 + 4)/4)^{(4+4)/4} + 4) \\
&:= 5^5 + ((5+5)/5 \times (555 - 5/5)) \\
&:= 66 \times 66 - ((666/6 + 6) + 6) \\
&:= ((7+7)/7 + 7 \times 7) \times (77 - 7/7 + 7) \\
&:= 8 + ((8/8 + 8 \times 8)^{(8+8)/8}) \\
&:= 9 + ((9999/(9+9+9)/9) + 9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4234 &:= (1+1) \times (1 + (((1+1) \times (1 + (11 + 11)))^{1+1})) \\
&:= 2 + (2 \times (2 \times 22 + 2)^2) \\
&:= 3 + (((3+3) \times ((3^{3+3} - 3^3) + 3)) + 3/3) \\
&:= (44 - 4)/4 + (4 \times 4 \times (4^4 + 4 + 4)) \\
&:= 5^5 + ((5555 - (5+5))/5) \\
&:= 6 + (((6+6)/6)^{6+6}) + 66 + 66 \\
&:= (77 \times (7 \times 7 + 7)) - 7/7 - 77 \\
&:= 8 + (((8/8 + 8 \times 8)^{(8+8)/8}) + 8/8) \\
&:= 9 + (((999 + 9)/(9+9)) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4235 &:= 11 \times (11 \times (1 + (1 + 11 \times (1 + 1 + 1)))) \\
&:= 2 + ((2 \times (2 \times 22 + 2)^2) + 2/2) \\
&:= 3 \times 3^{3+3} + (3 - 3/3)^{33/3} \\
&:= 44/4 + (4 \times 4 \times (4^4 + 4 + 4)) \\
&:= 5^5 + (555 + 555) \\
&:= 66/6 + (66 \times ((6+6)/6)^6) \\
&:= 77 \times ((7 \times 7 - 7/7) + 7) \\
&:= 88/8 + (8 \times (8 \times 8 + 8 + 8)) \\
&:= 9 \times 9 \times (9 + 9 + 9) + (((9+9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4236 &:= 1 + (11 \times (11 \times (1 + (1 + 11 \times (1 + 1 + 1)))))) \\
&:= 2 \times ((2 \times 22 + 2)^2 + 2) \\
&:= 3 \times ((33/3)^3 + 3 \times 3^3) \\
&:= (4 \times (4 \times (4^4 + 4 + 4) + 4)) - 4 \\
&:= 5^5 + 5555/5 \\
&:= 6 + ((66 \times ((6+6)/6)^6) + 6) \\
&:= 7/7 + (77 \times ((7 \times 7 - 7/7) + 7)) \\
&:= 8 + ((88 \times (88 + 8) + 8)/(8 + 8/8)) \\
&:= 9 + ((999/9 \times ((99/9 + 9 + 9) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4237 &:= (((1+1) \times (11 - 1)) - 1) \times (1 + (1+1) \times 111) \\
&:= 2/2 + (2 \times ((2 \times 22 + 2)^2 + 2)) \\
&:= 3/3 + (3 \times ((33/3)^3 + 3 \times 3^3)) \\
&:= 4 + (((4^4 + 4)/4)^{(4+4)/4} + 4) + 4 \\
&:= 5^5 + (5555 + 5)/5 \\
&:= 6 + (((66 - 6/6)^{(6+6)/6}) + 6) \\
&:= (7 + 7)/7 + (77 \times ((7 \times 7 - 7/7) + 7)) \\
&:= 88 + (8 \times (8 \times 8 + 8 + 8) - (88/8)) \\
&:= 9 + (((9/9 + 9 + 9) + 9) \times (9 \times (9 + 9) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4238 &:= (1+11)^{1+1} + ((1+1) \times ((1+1)^{11} - 1)) \\
&:= 2 + (2 \times ((2 \times 22 + 2)^2 + 2)) \\
&:= (3^3 - 3/3) \times ((3+3) \times 3^3 + 3/3) \\
&:= (4 \times (4 \times (4^4 + 4 + 4) + 4)) - (4 + 4)/4 \\
&:= 5^5 + (5555 + 5 + 5)/5 \\
&:= 66 \times 66 - ((666 + 6)/6 + 6) \\
&:= 7 + (((7/7 + 7) \times (7 \times 77 - (77/7))) + 7) \\
&:= 8 + (((8 - (8 + 8)/8) \times (8 \times 88 + 8/8))) \\
&:= (((9 - 9/9) + 9) + 9) \times (9 \times (9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4239 &:= (1+11)^{1+1} + (((1+1)^{1+11}) - 1) \\
&:= 2 + ((2 \times ((2 \times 22 + 2)^2 + 2)) + 2/2) \\
&:= 3 + (3 \times ((33/3)^3 + 3 \times 3^3)) \\
&:= (4 \times (4 \times (4^4 + 4 + 4) + 4)) - 4/4 \\
&:= 5 + (((5555 - (5+5))/5) + 5^5) \\
&:= 66 \times 66 - (666/6 + 6) \\
&:= 7 + (((77 - (77 + 7)/7)^{(7+7)/7}) + 7) \\
&:= 8 + (((8 \times (8 \times 8 + 8 + 8)) - 8/8) + 8) \\
&:= 999 + ((9+9) \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4240 &:= (1+11)^{1+1} + ((1+1)^{1+11}) \\
&:= 2 \times (((2 \times 22 + 2)^2 + 2) + 2) \\
&:= (3+3) \times (3^3 - 3) + (3/3 + 3)^{3+3} \\
&:= 4 \times (4 \times (4^4 + 4 + 4) + 4) \\
&:= 5 + ((555 + 555) + 5^5) \\
&:= (6+6) \times (6+6) + (((6+6)/6)^{6+6}) \\
&:= (7/7 + 7) \times (7 \times 77 - ((7+7)/7 + 7)) \\
&:= 8 + ((8 \times (8 \times 8 + 8 + 8)) + 8) \\
&:= (9 - 9/9) \times (((9+9)/9)^9 + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4241 &:= 1 + ((1+11)^{1+1} + ((1+1)^{1+11})) \\
&:= 2/2 + (2 \times (((2 \times 22 + 2)^2 + 2) + 2)) \\
&:= 3 + ((3^3 - 3/3) \times ((3+3) \times 3^3 + 3/3)) \\
&:= 4 \times 4 + ((4^4 + 4)/4)^{(4+4)/4} \\
&:= 5 + (5555/5 + 5^5) \\
&:= 6 + ((66 \times ((6+6)/6)^6) + (66/6)) \\
&:= 7 + ((77 \times (7 \times 7 + 7)) - (7/7 + 77)) \\
&:= 8 + (((8/8 + 8 \times 8)^{(8+8)/8}) + 8) \\
&:= 9/9 + ((9 - 9/9) \times (((9+9)/9)^9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4242 &:= 1 + (1 + ((1+11)^{1+1} + ((1+1)^{1+11}))) \\
&:= 2 + (2 \times ((2 \times 22 + 2)^2 + 2) + 2) \\
&:= 3 + ((3 \times ((33/3)^3 + 3 \times 3^3)) + 3) \\
&:= 4^4 + (((4 - 444)/4) + (4 + 4)^4) \\
&:= 5 + ((5555 + 5)/5 + 5^5) \\
&:= (6 \times ((666 + 6 \times 6) + 6)) - 6 \\
&:= 7 + (77 \times ((7 \times 7 - 7/7) + 7)) \\
&:= 8 + (((8/8 + 8 \times 8)^{(8+8)/8}) + 8/8 + 8) \\
&:= 999/9 + ((9+9+9) \times (9 \times (9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4243 &:= 1 + (1 + (1 + ((1 + 11)^{1+1} + ((1 + 1)^{1+1+1}))) \\
&:= 22/2 + (2 \times (2 \times 22 + 2)^2) \\
&:= 3 + ((3 + 3) \times (3^3 - 3) + (3/3 + 3)^{3+3}) \\
&:= 4 + ((4 \times (4 \times (4^4 + 4 + 4) + 4)) - 4/4) \\
&:= 5 + ((5555 + 5 + 5)/5 + 5^5) \\
&:= 6 + (((66 - 6/6)^{(6+6)/6} + 6) + 6) \\
&:= 7 + ((77 \times ((7 \times 7 - 7/7) + 7)) + 7/7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 8)) + (88/8)) \\
&:= 9 + (((((999 + 9)/(9 + 9)) + 9)^{(9+9)/9} + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4244 &:= (1 + 1)^{11} + (((1 + 1 + 11)^{1+1+1}) - 1) \\
&:= 2 \times (((2 \times 22 + 2)^2 + 2) + 2) \\
&:= 33 + (((3 + 3) \times (3^{3+3} - 3^3)) - 3/3) \\
&:= 4 + (4 \times (4 \times (4^4 + 4 + 4) + 4)) \\
&:= 5^5 + (((5 + 5) \times (555 + 5)) - 5)/5 \\
&:= 66 \times 66 - (666 + 6)/6 \\
&:= ((7 + 7)/7)^7 + 7 \times 7 \times (77 + 7) \\
&:= 8 + (((88 \times (88 + 8) + 8)/(8 + 8)/8) + 8) \\
&:= 9 + (((9 + 9)/9)^{99/9} + 9 \times 9 \times (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4245 &:= (1 + 1)^{11} + ((1 + 1 + 11)^{1+1+1}) \\
&:= 2 + ((2 \times (2 \times 22 + 2)^2) + 22/2) \\
&:= 3 \times (((33/3)^3 + 3 \times 3^3) + 3) \\
&:= 4 + (((4 + 4)^4 - 444/4) + 4^4) \\
&:= 5^5 + ((5 + 5) \times (555 + 5)/5) \\
&:= 66 \times 66 - 666/6 \\
&:= ((7 + 7 + 7)/7)^7 + 7 \times 7 \times (7 \times 7 - 7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 8) - (88/8)) + 88) \\
&:= 9 \times ((9 + 9)/9)^9 - (99 \times 99/(9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4246 &:= 1 + ((1 + 1)^{11} + ((1 + 1 + 11)^{1+1+1})) \\
&:= 2 + (2 \times (((2 \times 22 + 2)^2 + 2) + 2) + 2) \\
&:= 3/3 + (((3 + 3) \times (3^{3+3} - 3^3)) + 33) \\
&:= (4 + 4)^4 + ((44 + 4^4)/(4 + 4)/4) \\
&:= 5 + ((5555/5 + 5^5) + 5) \\
&:= 66 \times 66 + ((6 - 666)/6) \\
&:= 77/7 + (77 \times ((7 \times 7 - 7/7) + 7)) \\
&:= 88 + (8 \times (8 \times 8 \times 8 + 8) - ((8 + 8)/8)) \\
&:= 99/9 \times (((9 + 9)/9)^9) - ((99 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4247 &:= 1111 + ((1 + 111)/(1 + 1)^{1+1}) \\
&:= 22 + ((2^{2+2+2} + 2/2)^2) \\
&:= (33/3)^3 + (3 \times (3^3 \times (33 + 3))) \\
&:= 44 + ((444/4 - 4) + (4 + 4)^4) \\
&:= 5^5 + ((5555 + 55)/5) \\
&:= (6 \times ((666 + 6 \times 6) + 6)) - 6/6 \\
&:= 7 + ((7/7 + 7) \times (7 \times 77 - ((7 + 7)/7 + 7))) \\
&:= 88 + (8 \times (8 \times 8 \times 8 + 8) - 8/8) \\
&:= 9 + (((9 - 9/9) + 9) + 9) \times (9 \times (9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4248 &:= (1 + 1)^{11} + ((1 + 1) \times (1111 - 11)) \\
&:= 2 \times ((2 \times 22 + 2)^2 + 2 \times (2 + 2)) \\
&:= (3 + 3) \times (((3^{3+3} - 3^3) + 3) + 3) \\
&:= 4 + ((4 \times (4 \times (4^4 + 4 + 4) + 4)) + 4) \\
&:= 5^5 + (((5555 + 55) + 5)/5) \\
&:= 6 \times ((666 + 6 \times 6) + 6) \\
&:= (7/7 + 7) \times (7 \times 77 - (7/7 + 7)) \\
&:= 88 + 8 \times (8 \times 8 \times 8 + 8) \\
&:= 9 + (((9 + 9) \times (99 + 9 \times 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4249 &:= 1 + ((1 + 1)^{11} + ((1 + 1) \times (1111 - 11))) \\
&:= 2 + (((2^{2+2+2} + 2/2)^2) + 22) \\
&:= ((3 + 3) \times 3^{3+3}) - (3 - 3/3 + 3)^3 \\
&:= 4 + (((4 + 4)^4 - 444/4) + 4^4) + 4) \\
&:= 5^5 + (((5 - 5/5)^5 + 5 \times (5 \times 5 - 5)) \\
&:= 6/6 + (6 \times ((666 + 6 \times 6) + 6)) \\
&:= ((7/7 + 7) \times (7 \times 77 - 7)) - 7 \\
&:= 8/8 + (8 \times (8 \times 8 \times 8 + 8) + 88) \\
&:= 9 + ((9 - 9/9) \times (((9 + 9)/9)^9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4250 &:= ((1 + 1)^{1+11}) + (11 \times (1 + (1 + 1 + 11))) \\
&:= 22 + (2 \times ((2 \times 22 + 2)^2 - 2)) \\
&:= (3/3 + 33) \times (3 - 3/3 + 3)^3 \\
&:= 44 + ((444 - 4)/4 + (4 + 4)^4) \\
&:= 5 \times (55 \times (5 + 5 + 5) + 5 \times 5) \\
&:= 6 + (66 \times 66 - (666 + 6)/6) \\
&:= (7/7 + 7 \times 7) \times (7/7 + 77 + 7) \\
&:= 88 + (8 \times (8 \times 8 \times 8 + 8) + ((8 + 8)/8)) \\
&:= 9 + (((9 - 9/9) \times (((9 + 9)/9)^9 + 9) + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4251 &:= 11 + ((1 + 11)^{1+1} + ((1 + 1)^{1+11})) \\
&:= 2 + (((2^{2+2+2} + 2/2)^2) + 22) + 2) \\
&:= 3 + ((3 + 3) \times (((3^{3+3} - 3^3) + 3) + 3)) \\
&:= 44 + (444/4 + (4 + 4)^4) \\
&:= 5 + (((5555/5 + 5^5) + 5) + 5) \\
&:= 6 + (66 \times 66 - 666/6) \\
&:= 7 + (7 \times 7 \times (77 + 7) + ((7 + 7)/7)^7) \\
&:= 8 + (((8 \times (8 \times 8 \times 8 + 8) + (88/8)) + 8) \\
&:= 9 + (((9 + 9 + 9) \times (9 \times (9 + 9) - 9)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4252 &:= ((1 + 1)^{1+11}) + ((1 + 11) \times (1 + 1 + 11)) \\
&:= 22 + ((2 \times (2 \times 22 + 2)^2) - 2) \\
&:= 3 + (((3 + 3) \times 3^{3+3}) - (3 - 3/3 + 3)^3) \\
&:= (4 + 4)^4 + (4 \times (44 - 4) - 4) \\
&:= 5 + (((5555 + 55)/5) + 5^5) \\
&:= 6 + (((6 - 666)/6) + 66 \times 66) \\
&:= (77 \times (7 \times 7 + 7)) - (77/7 + 7 \times 7) \\
&:= 88 + (8 \times (8 \times 8 \times 8 + 8) + (8/(8 + 8)/8)) \\
&:= (9 \times (9 - 9 \times 9)) + ((9 \times 9 - 99/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4253 &:= 1 + (((1 + 1)^{1+11}) + ((1 + 11) \times (1 + 1 + 11))) \\
&:= 22 + ((2 \times (2 \times 22 + 2)^2) - 2/2) \\
&:= 3 + ((3/3 + 33) \times (3 - 3/3 + 3)^3) \\
&:= 4/4 + ((4 \times (44 - 4) - 4) + (4 + 4)^4) \\
&:= 5 + (((5555 + 55) + 5)/5) + 5^5) \\
&:= 6 + ((6 \times ((666 + 6 \times 6) + 6)) - 6/6) \\
&:= 7 + ((77 \times ((7 \times 7 - 7/7) + 7)) + (77/7)) \\
&:= 8 + (((8 \times (8 \times 8 \times 8 + 8) - (88/8)) + 88) + 8) \\
&:= 9 \times (9 + 9) \times (9 + 9 + 9) - (((999 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4254 &:= (1 + 1) \times (11 + (((1 + 1) \times (1 + (11 + 11)))^{1+1})) \\
&:= 22 + (2 \times (2 \times 22 + 2)^2) \\
&:= 33 \times (3 \times 33 + 3^3 + 3) - 3 \\
&:= (4 + 4)^4 + (4 \times (44 - 4) - (4 + 4)/4) \\
&:= 5 + (((5 - 5/5)^5 + 5 \times (5 \times 5 - 5)) + 5^5) \\
&:= 6 + (6 \times ((666 + 6 \times 6) + 6)) \\
&:= ((7/7 + 7) \times (7 \times 77 - 7)) - (7 + 7)/7 \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 8) - ((8 + 8)/8)) + 88) \\
&:= 9 \times (9 + 9) \times (9 + 9 + 9) - (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4255 &:= ((1 + 111) \times (1 + (111/(1 + 1 + 1)))) - 1 \\
&:= 22 + ((2 \times (2 \times 22 + 2)^2) + 2/2) \\
&:= (3 + 3) \times 3^3 + ((3/3 + 3)^{3+3} - 3) \\
&:= (4 + 4)^4 + (4 \times (44 - 4) - 4/4) \\
&:= 5 + ((5 \times 5 \times (55 - 5 - 5)) + 5^5) \\
&:= 6 + ((6 \times ((666 + 6 \times 6) + 6)) + 6/6) \\
&:= ((7/7 + 7) \times (7 \times 77 - 7)) - 7/7 \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 8) - 8/8) + 88) \\
&:= ((9 - 999)/9) + (9 \times (9 + 9) \times (9 + 9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4256 &:= (1 + 111) \times (1 + (111/(1 + 1 + 1))) \\
&:= 2 + ((2 \times (2 \times 22 + 2)^2) + 22) \\
&:= (33/3 + 3^3) \times ((333 + 3)/3) \\
&:= 4 \times ((4 \times 4^4 - 4) + 44) \\
&:= 5 \times 5 + ((5555/5 - 5) + 5^5) \\
&:= 66 \times 66 + ((66 - 666)/6) \\
&:= (7/7 + 7) \times (7 \times 77 - 7) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 8) + 88) \\
&:= (9 - 9/9) \times (((9 + 9)/9)^9) + (99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4257 &:= 1 + ((1 + 111) \times (1 + (111/(1 + 1 + 1)))) \\
&:= (2/2 + 2)^2 \times (22^2 - 22/2) \\
&:= 33 \times (3 \times 33 + 3^3 + 3) \\
&:= 4/4 + (4 \times (44 - 4) + (4 + 4)^4) \\
&:= 5 + (((5555 + 55)/5) + 5^5) + 5) \\
&:= 6 + ((66 \times 66 - 666/6) + 6) \\
&:= 7/7 + ((7/7 + 7) \times (7 \times 77 - 7)) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 8) + 8/8) + 88) \\
&:= 9 \times (9 \times 9 \times 9 - (((9 + 9)/9)^{9-9/9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4258 &:= (1+1) \times ((1+1)^{11} + (11-1-1)^{1+1}) \\
&:= 22 + (2 \times ((2 \times 22 + 2)^2 + 2)) \\
&:= (3+3) \times 3^3 + (3/3+3)^{3+3} \\
&:= (4+4)^4 + (4 \times (44-4) + (4+4)/4) \\
&:= 5^5 + (((5555+55) + 55)/5) \\
&:= 6 + (((6-666)/6) + 66 \times 66) + 6 \\
&:= (7+7)/7 + ((7/7+7) \times (7 \times 77-7)) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 8) + (8+8)/8) + 88) \\
&:= 9 \times (9+9) + ((9-9/9) \times ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4259 &:= (1+1)^{11} + (((1+1) \times 1111) - 11) \\
&:= 2 + ((2/2+2)^2 \times (22^2 - 22/2)) \\
&:= 3 + ((33/3+3^3) \times ((333+3)/3)) \\
&:= 4 + ((4 \times (44-4) - 4/4) + (4+4)^4) \\
&:= 55 + (((5-5/5)^5 + 55) + 5^5) \\
&:= 6 \times 6 + (((6 \times ((6+6)/6)^6) - 6/6) \\
&:= 7 + ((77 \times (7 \times 7 + 7)) - (77/7 + 7 \times 7)) \\
&:= 88 + (8 \times (8 \times 8 \times 8 + 8) + (88/8)) \\
&:= 9/9 + (((9-9/9) \times ((9+9)/9)^9) + 9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4260 &:= (11 + ((1+1+111)^{1+1})) / (1+1+1) \\
&:= 2 + ((2 \times ((2 \times 22 + 2)^2 + 2)) + 22) \\
&:= 3 + 33 \times (3 \times 33 + 3^3 + 3) \\
&:= 4 + (4 \times (44-4) + (4+4)^4) \\
&:= (55+5) \times ((55/5+55) + 5) \\
&:= 6 \times 6 + (66 \times ((6+6)/6)^6) \\
&:= (77/7 + 7 \times 7) \times ((7/7-7) + 77) \\
&:= 88 + (8 \times (8 \times 8 \times 8 + 8) + (88+8)/8) \\
&:= (9/9+9) \times (((9+9) \times (9+9) - 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4261 &:= 1 + ((11 + ((1+1+111)^{1+1})) / (1+1+1)) \\
&:= (22/2)^2 + (2 \times (2^{22/2} + 22)) \\
&:= 3 + ((3/3+3)^{3+3} + (3+3) \times 3^3) \\
&:= 4 \times 44 + ((4+4)^4 - 44/4) \\
&:= 5 \times 5 + (5555/5 + 5^5) \\
&:= 6 \times 6 + ((66-6/6)^{(6+6)/6}) \\
&:= (77 \times (7 \times 7 + 7)) - ((7+7)/7 + 7 \times 7) \\
&:= 88 + ((8 \times 8 \times 8 - (88/8)) + 88) \\
&:= 9 \times (9+9) \times (9+9+9) - ((999+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4262 &:= (1+11)^{1+1} + ((1+1) \times (11 + (1+1)^{11})) \\
&:= 22 + (2 \times (((2 \times 22 + 2)^2 + 2) + 2)) \\
&:= ((3+3) \times 3^{3+3}) - ((333+3)/3) \\
&:= 4 \times 44 + ((4-44)/4 + (4+4)^4) \\
&:= 5 \times 5 + ((5555+5)/5 + 5^5) \\
&:= 6 + (((66-666)/6) + 66 \times 66) \\
&:= (77 \times (7 \times 7 + 7)) - (7/7 + 7 \times 7) \\
&:= (888-8)/8 + (8 \times (8 \times 8 \times 8 + 8) - 8) \\
&:= 9 \times (9+9) \times (9+9+9) - ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4263 &:= ((1+1)^{1+11}) + ((1+1+11)^{1+1} - (1+1)) \\
&:= (22-2/2) \times (((22-2)^2 + 2)/2) + 2 \\
&:= 3 \times ((3 \times (3^3+3)) + (33/3)^3) \\
&:= 4 \times 44 + (4+4)^4 - (4/4+4+4) \\
&:= ((5+5)/5+5) \times (((5^5-55)/5) - 5) \\
&:= (6 \times ((6 \times 6/(6+6))^6)) - 666/6 \\
&:= 7 \times (7 \times 77-7+77) \\
&:= (8-8/8) \times ((8-8/8) \times (88-8/8)) \\
&:= 9 \times (9+9) \times (9+9+9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4264 &:= ((1+1)^{1+11}) + ((1+1+11)^{1+1} - 1) \\
&:= 2 \times ((2 \times 22 + 2)^2 + 2^{2+2}) \\
&:= ((3-333)/3) + ((3+3) \times 3^{3+3}) \\
&:= 4 \times 44 + ((4+4)^4 - (4+4)) \\
&:= 5^5 + (((5^5-555) + 5^5)/5) \\
&:= 6 \times 6 + (((((6+6)/6)^{6+6}) + 66) + 66) \\
&:= 7/7 + (7 \times (7 \times 77-7+77)) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 8) + 88) + 8) \\
&:= (9/9+9 \times 9) \times (9 \times 9 - (99/9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4265 &:= ((1+1)^{1+11}) + (1+1+11)^{1+1} \\
&:= ((22/2+2)^2) + 2^{2 \times (2+2+2)} \\
&:= (33/3+3+3)^3 - 3 \times (3+3)^3 \\
&:= 4 + (((4+4)^4 - 44/4) + 4 \times 44) \\
&:= 5 + ((55+5) \times ((55/5+55) + 5)) \\
&:= 6 + (((66 \times ((6+6)/6)^6) - 6/6) + 6 \times 6) \\
&:= (7+7)/7 + (7 \times (7 \times 77-7+77)) \\
&:= 8 + (((8 \times (8 \times 8 \times 8 + 8) + 8/8) + 88) + 8) \\
&:= 9 \times (9+9) \times (9+9+9) - (9/9+99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4266 &:= 1 + (((1+1)^{1+11}) + (1+1+11)^{1+1}) \\
&:= (22 \times (((2^{2+2} - 2)^2) - 2)) - 2 \\
&:= 3 \times (33 \times 33 + 333) \\
&:= 4 \times 44 + ((4+4)^4 - ((4+4)/4+4)) \\
&:= 5 + ((5555/5+5^5) + 5 \times 5) \\
&:= 6 + ((66 \times ((6+6)/6)^6) + 6 \times 6) \\
&:= (7-7/7) \times ((77/7-77) + 777) \\
&:= (8-(8+8)/8) \times ((8 \times 88-8/8) + 8) \\
&:= 9 \times (9+9) \times (9+9+9) - (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4267 &:= (1+11)^{1+1} + ((1+1) \times (1111-1)) - 1 \\
&:= (22 \times (((2^{2+2} - 2)^2) - 2)) - 2/2 \\
&:= 3/3 + (3 \times (33 \times 33 + 333)) \\
&:= 4 \times 44 + ((4+4)^4 - (4/4+4)) \\
&:= 5 + (((5555+5)/5 + 5^5) + 5 \times 5) \\
&:= 6 + (((66-6/6)^{(6+6)/6}) + 6 \times 6) \\
&:= 77/7 + ((7/7+7) \times (7 \times 77-7)) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 8) + (88/8)) + 88) \\
&:= 99 + ((9-9/9) \times (((9+9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4268 &:= (1+1)^{11} + ((1+1) \times (1111-1)) \\
&:= 22 \times (((2^{2+2} - 2)^2) - 2) \\
&:= 3 + ((33/3+3+3)^3 - 3 \times (3+3)^3) \\
&:= 4 \times 44 + ((4+4)^4 - 4) \\
&:= 5 + (((5+5)/5+5) \times (((5^5-55)/5) - 5)) \\
&:= 66/6 \times (6 \times 66 - ((6+6)/6+6)) \\
&:= 77/7 \times ((7 \times 777-7)/(7+7)) \\
&:= (88/((8+8)/8)) \times ((8/8+88) + 8) \\
&:= 99/9 \times ((9 \times 99 - ((9+9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4269 &:= (1+1)^{11} + (((1+1) \times 1111) - 1) \\
&:= 2/2 + (22 \times (((2^{2+2} - 2)^2) - 2)) \\
&:= 3 + (3 \times (33 \times 33 + 333)) \\
&:= 44 + ((4^4+4)/4)^{(4+4)/4} \\
&:= 5^5 + (((5-5/5)^5 - 5) + 5 \times 5 \times 5) \\
&:= 6 + ((6 \times ((6 \times 6/(6+6))^6) - 666/6) \\
&:= 7 + ((77 \times (7 \times 7 + 7)) - (7/7 + 7 \times 7)) \\
&:= 8 \times (8 \times 8 \times 8 + 8) + ((888 - (8+8))/8) \\
&:= 999 + ((99 \times 99 + 9)/(9+9+9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4270 &:= (1+1)^{11} + ((1+1) \times 1111) \\
&:= 2^{22/2} + 2222 \\
&:= 3 + ((3 \times (33 \times 33 + 333)) + 3/3) \\
&:= 4 \times 44 + ((4+4)^4 - (4+4)/4) \\
&:= ((5+5)/5+5) \times (555+55) \\
&:= 6 \times (6 \times 6 - 6) + (((6+6)/6)^{6+6} - 6) \\
&:= 7 + (7 \times (7 \times 77-7+77)) \\
&:= (888-8)/8 + 8 \times (8 \times 8 \times 8 + 8) \\
&:= (9 \times 9 - 99/9) \times (9 \times 9 - (99/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4271 &:= 1 + ((1+1)^{11} + ((1+1) \times 1111)) \\
&:= 2/2 + (2^{22/2} + 2222) \\
&:= ((3+3) \times 3^{3+3}) - ((3 \times 33 + 3/3) + 3) \\
&:= 4 \times 44 + ((4+4)^4 - 4/4) \\
&:= 5 + (((5555/5+5^5) + 5 \times 5) + 5) \\
&:= 6 \times 6 + ((66 \times ((6+6)/6)^6) + (66/6)) \\
&:= 7 + ((7 \times (7 \times 77-7+77)) + 7/7) \\
&:= 888/8 + 8 \times (8 \times 8 \times 8 + 8) \\
&:= 9 + (9 \times (9+9) \times (9+9+9) - ((999+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4272 &:= (1+1)^{11} + ((1+1) \times (1+1111)) \\
&:= 2 + (2^{22/2} + 2222) \\
&:= ((3+3) \times 3^{3+3}) - (3 \times 33 + 3) \\
&:= 4 \times (4 \times 4^4 + 44) \\
&:= 5 \times 5 + (((5555+55)/5) + 5^5) \\
&:= 66 + ((6 \times (666+6 \times 6)) - 6) \\
&:= (7/7+7) \times (((7+7)/7-7) + 7 \times 77) \\
&:= 88 + (8 \times 8 \times 8 + 88) \\
&:= 9 + (9 \times (9+9) \times (9+9+9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4273 &:= 1 + ((1+1)^{11} + ((1+1) \times (1+1111))) \\
&:= 2 + (2^{22/2} + 2222) + 2/2 \\
&:= 3/3 + (((3+3) \times 3^{3+3}) - (3 \times 33 + 3)) \\
&:= 4/4 + (4 \times 44 + (4+4)^4) \\
&:= 5^5 + (((5-5/5)^5 - 5/5) + 5 \times 5 \times 5) \\
&:= 66 \times 66 - (66/6 + 66 + 6) \\
&:= 7 \times 7 + ((7/7 + 7) \times (7 \times 77 - (77/7))) \\
&:= 8/8 + ((8 \times 8 \times 8 + 88) + 88) \\
&:= 9 \times (9+9) \times (9+9+9) - ((9+9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4274 &:= (1+1)^{11} + ((1+1) \times (1+(1+1111))) \\
&:= (2 \times ((2 \times 22 + 2)^2 + 22)) - 2 \\
&:= ((3+3) \times 3^{3+3}) - (3 \times 33 + 3/3) \\
&:= 4 \times 44 + ((4+4)^4 + (4+4)/4) \\
&:= 5^5 + ((5-5/5)^5 + 5 \times 5 \times 5) \\
&:= 6 + ((66/6) \times (6 \times 66 - ((6+6)/6 + 6))) \\
&:= 77/7 + (7 \times (7 \times 77 - 7 + 77)) \\
&:= 8 + ((8 - (8+8)/8) \times ((8 \times 88 - 8/8) + 8)) \\
&:= 9 \times (9+9) \times (9+9+9) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4275 &:= 1 + ((1+1)^{11} + ((1+1) \times (1+(1+1111)))) \\
&:= (2 \times 2222) - ((22/2 + 2)^2) \\
&:= ((3+3) \times 3^{3+3}) - 3 \times 33 \\
&:= 4 + ((4 \times 44 - 4/4) + (4+4)^4) \\
&:= 5 \times (5 \times (55+5) + 555) \\
&:= 6 \times 6 + (66 \times 66 - (666/6 + 6)) \\
&:= ((7/7 + 7 \times 7) + 7) \times (77 - (7+7)/7) \\
&:= ((8/8 - 8) + 8 \times 8) \times (88/8 + 8 \times 8) \\
&:= 9 \times (9+9) \times (9+9+9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4276 &:= 11 + (((1+1)^{1+11}) + (1+1+11)^{1+1}) \\
&:= 2 \times ((2 \times 22 + 2)^2 + 22) \\
&:= 3/3 + (((3+3) \times 3^{3+3}) - 3 \times 33) \\
&:= 4 + (4 \times 44 + (4+4)^4) \\
&:= 5/5 + (5 \times (5 \times (55+5) + 555)) \\
&:= 6 \times (6 \times 6 - 6) + (((6+6)/6)^{6+6}) \\
&:= ((7+7)/7) \times (((7+7+7)/7)^7 - 7 \times 7) \\
&:= 8 + ((88/((8+8)/8)) \times ((8/8 + 88) + 8)) \\
&:= 9/9 + (9 \times (9+9) \times (9+9+9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4277 &:= (1+1+11) \times (((1+1+1) \times (111-1)) - 1) \\
&:= 2/2 + (2 \times ((2 \times 22 + 2)^2 + 22)) \\
&:= 3 + (((3+3) \times 3^{3+3}) - (3 \times 33 + 3/3)) \\
&:= 4 + ((4 \times 44 + (4+4)^4) + 4/4) \\
&:= 5^5 + (((5+5)/5)^5 \times (55/5 + 5 \times 5)) \\
&:= 66 + ((6 \times (666 + 6 \times 6)) - 6/6) \\
&:= 7 + ((7 \times (7 \times 77 - 7 + 77)) + 7) \\
&:= 8 \times (8 \times 8 \times 8 + 8 + 8 + 8) - 88/8 \\
&:= (9 - (9+9)/9) \times (((9+9)/9)^9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4278 &:= (11 \times (((1+1) \times (11-1))^{1+1} - 11)) - 1 \\
&:= 2 + (2 \times ((2 \times 22 + 2)^2 + 22)) \\
&:= 3 + (((3+3) \times 3^{3+3}) - 3 \times 33) \\
&:= 4 + ((4 \times 44 + (4+4)^4) + (4+4)/4) \\
&:= (((5+5)/5 + 5) \times ((5^5 - 5)/5 - 5)) - 55 \\
&:= 66 + (6 \times (666 + 6 \times 6)) \\
&:= 7 + (((7 \times (7 \times 77 - 7 + 77)) + 7/7) + 7) \\
&:= (8 - (8+8)/8) \times ((8 \times 88 + 8/8) + 8) \\
&:= 9/9 + ((9 - (9+9)/9) \times (((9+9)/9)^9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4279 &:= 11 \times (((1+1) \times (11-1))^{1+1} - 11) \\
&:= 22/2 \times ((22-2)^2 - 22/2) \\
&:= (3+3)^3 + ((3/3+3)^{3+3} - 33) \\
&:= 4 + (((4 \times 44 - 4/4) + (4+4)^4) + 4) \\
&:= 5 + (((5-5/5)^5 + 5 \times 5 \times 5) + 5^5) \\
&:= 66/6 \times (6 \times 66 - (6/6 + 6)) \\
&:= 77/7 \times ((7 \times 777 + 7)/(7+7)) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 8) + 888/8) \\
&:= 9 + ((9 \times 9 - 99/9) \times (9 \times 9 - (99/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4280 &:= 1 + (11 \times (((1+1) \times (11-1))^{1+1} - 11)) \\
&:= 2 \times (((2 \times 22 + 2)^2 + 22) + 2) \\
&:= ((33/3 + 3)^3) + (3 \times ((3-3/3)^{3 \times 3})) \\
&:= 4 + ((4 \times 44 + (4+4)^4) + 4) \\
&:= 5 + (5 \times (5 \times (55+5) + 555)) \\
&:= (6 - 66)/6 + (66 \times (66 - 6/6)) \\
&:= (7/7 + 7) \times ((7 \times 77 - (77/7)) + 7) \\
&:= 8 \times (8 \times 8 \times 8 + 8 + 8 + 8) - 8 \\
&:= (9 - 9/9) \times ((99 \times 99 - 9)/(9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4281 &:= 11 + ((1+1)^{11} + ((1+1) \times 1111)) \\
&:= 2 + (22/2 \times ((22-2)^2 - 22/2)) \\
&:= 3 \times (((33/3)^3 - 3) + 3 \times 33) \\
&:= 4 + (((4 \times 44 + (4+4)^4) + 4/4) + 4) \\
&:= 5 + ((5 \times (5 \times (55+5) + 555)) + 5/5) \\
&:= 6 \times 6 + (66 \times 66 - 666/6) \\
&:= 77 \times (77 + 7) - ((7+7+7)/7)^7 \\
&:= 8/8 + (8 \times (8 \times 8 \times 8 + 8 + 8 + 8) - 8) \\
&:= (9 \times ((9+9) \times (9+9+9) - 9)) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4282 &:= 1 + (11 + ((1+1)^{11} + ((1+1) \times 1111))) \\
&:= 2 + (2 \times (((2 \times 22 + 2)^2 + 22) + 2)) \\
&:= (3^3 \times ((3+3) \times 3^3 - 3)) - 33/3 \\
&:= 4 \times 44 + ((44-4)/4 + (4+4)^4) \\
&:= 5 + (((5+5)/5)^5 \times (55/5 + 5 \times 5)) + 5^5 \\
&:= (((6+6)/6)^6 \times (66 + 6/6)) - 6 \\
&:= 7 + (((7/7 + 7 \times 7) + 7) \times (77 - (7+7)/7)) \\
&:= ((8/8 + 8 \times 8) \times (((8+8)/8) + 8 \times 8)) - 8 \\
&:= (9 \times ((9+9) \times (9+9+9) - 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4283 &:= ((1+1) \times ((1+1+11)^{1+1+1})) - 111 \\
&:= ((2+2+2)^2 \times ((22/2)^2 - 2)) - 2/2 \\
&:= ((3 \times 3 + 33) \times (3 \times 33 + 3)) - 3/3 \\
&:= 4 \times 44 + (44/4 + (4+4)^4) \\
&:= 5 + (((5+5)/5 + 5) \times ((5^5 - 5)/5 - 5)) - 55 \\
&:= 66 \times 66 - (66 + 6/6 + 6) \\
&:= ((77 + 7) \times ((7+7)/7 + 7 \times 7)) - 7/7 \\
&:= 8 + (((8/8 - 8) + 8 \times 8) \times (88/8 + 8 \times 8)) \\
&:= (9 \times ((9+9) \times (9+9+9) - 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4284 &:= (1+1+1) \times ((1+11) \times (11^{1+1} - (1+1))) \\
&:= (2+2+2)^2 \times ((22/2)^2 - 2) \\
&:= (3 \times 3 + 33) \times (3 \times 33 + 3) \\
&:= (4^4 - 4) \times (4 \times 4 + 4/4) \\
&:= 5 + (((5-5/5)^5 + 5 \times 5 \times 5) + 5^5) + 5 \\
&:= 6 \times ((6+6) \times (66-6) - 6) \\
&:= (77+7) \times ((7+7)/7 + 7 \times 7) \\
&:= (8/8+8) \times (88 \times 88/(8+8) - 8) \\
&:= (9 \times ((9+9) \times (9+9+9) - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4285 &:= 1 + ((1+1+1) \times ((1+11) \times (11^{1+1} - (1+1)))) \\
&:= 2/2 + ((2+2+2)^2 \times ((22/2)^2 - 2)) \\
&:= 3/3 + ((3 \times 3 + 33) \times (3 \times 33 + 3)) \\
&:= 4/4 + ((4^4 - 4) \times (4 \times 4 + 4/4)) \\
&:= 5^5 + ((5+5) \times (555/5 + 5)) \\
&:= 6/6 + (6 \times ((6+6) \times (66-6) - 6)) \\
&:= 7/7 + ((77+7) \times ((7+7)/7 + 7 \times 7)) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 8 + 8 + 8) - (88/8)) \\
&:= 9/9 + ((9 \times ((9+9) \times (9+9+9) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4286 &:= ((1+1+1) \times (((1+1+11) \times (111-1)) - 1)) - 1 \\
&:= 2 + ((2+2+2)^2 \times ((22/2)^2 - 2)) \\
&:= 3 + (((3 \times 3 + 33) \times (3 \times 33 + 3)) - 3/3) \\
&:= 4^4 + ((4+4)^4 - ((4^4 + 4 + 4)/4)) \\
&:= 55 + (((5555/5 - 5) + 5^5)) \\
&:= 66 \times 66 - (((6+6)/6)^6 + 6) \\
&:= 7 + (77/7 \times ((7 \times 777 + 7)/(7+7))) \\
&:= 8 \times (8 \times 8 \times 8 + 8 + 8 + 8) - (8+8)/8 \\
&:= 9 + ((9 - (9+9)/9) \times (((9+9)/9)^9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4287 &:= (1+1+1) \times (((1+1+11) \times (111-1)) - 1) \\
&:= 22/2 + (2 \times ((2 \times 22 + 2)^2 + 22)) \\
&:= 3 + ((3 \times 3 + 33) \times (3 \times 33 + 3)) \\
&:= 4^4 + ((4+4)^4 - (4^4 + 4)/4) \\
&:= 55 + (((5555+5)/5 - 5) + 5^5) \\
&:= 66 \times 66 - (6 \times 6/(6+6) + 66) \\
&:= (77 \times (7 \times 7 + 7)) - (77/7 + 7 + 7) \\
&:= 8 \times (8 \times 8 \times 8 + 8 + 8 + 8) - 8/8 \\
&:= (99+9)/9 + (9 \times (9+9) \times (9+9+9) - 99)
\end{aligned}$$

- ▶ 4288 := $1 + ((1 + 1 + 1) \times (((1 + 1 + 11) \times (111 - 1)) - 1))$
:= $2 \times (2 \times 2 \times (22 + 2) + 2^{22/2})$
:= $((3/3 + 3)^3) \times (((3/3 + 3)^3) + 3)$
:= $4 \times ((4 \times 4^4 + 44) + 4)$
:= $(55/5 + 5) \times (((5 - (5 + 5)/5)^5) + 5 \times 5)$
:= $((6 + 6)/6)^6 \times (66 + 6/6)$
:= $(7/7 + 7) \times (7 \times 77 - ((7 + 7 + 7)/7))$
:= $8 \times (8 \times 8 \times 8 + 8 + 8 + 8)$
:= $(9 - 9/9) \times (((99 \times 99 + 9)/(9 + 9)) - 9)$
- ▶ 4289 := $(11 \times ((1 + 1) \times (11 - 1))^{1+1}) - 111$
:= $(22 \times (22 - 2)^2 - 222)/2$
:= $(3^3 \times ((3 + 3) \times 3^3 - 3)) - (3/3 + 3)$
:= $4/4 + ((4 \times 4 \times (4^4 - 4)) + 4^4)$
:= $55 \times (5 \times 5 + 55) - 555/5$
:= $66 \times 66 - (66 + 6/6)$
:= $((7/7 + 7) \times (7 \times 77 - ((7 + 7)/7))) - 7$
:= $8/8 + 8 \times (8 \times 8 \times 8 + 8 + 8 + 8)$
:= $9 + ((9 - 9/9) \times ((99 \times 99 - 9)/(9 + 9) - 9))$
- ▶ 4290 := $(1 + 1 + 1) \times ((1 + 1 + 11) \times (111 - 1))$
:= $22 \times ((2^{2+2} - 2)^2 - 2/2)$
:= $3 \times ((33/3)^3 + 3 \times 33)$
:= $(4^4 + 4)/4 \times ((4^4 + 4 + 4)/4)$
:= $55 \times ((55 - (5 + 5)/5) + 5 \times 5)$
:= $66 \times (66 - 6/6)$
:= $(7/7 + 77) \times ((7 \times 7 - 7/7) + 7)$
:= $(8/8 + 8 \times 8) \times (((8 + 8)/8) + 8 \times 8)$
:= $(9 \times ((9 + 9) \times (9 + 9 + 9) - 9)) - (9 + 9 + 9)/9$
- ▶ 4291 := $1 + ((1 + 1 + 1) \times ((1 + 1 + 11) \times (111 - 1)))$
:= $2 + (22 \times (22 - 2)^2 - 222)/2$
:= $3 + (((3/3 + 3)^3) \times (((3/3 + 3)^3) + 3))$
:= $4 + (((4 + 4)^4 - (4^4 + 4)/4) + 4^4)$
:= $55 + (5555/5 + 5^5)$
:= $6/6 + (66 \times (66 - 6/6))$
:= $(77 \times (7 \times 7 + 7)) - (7 + 7 + 7)$
:= $8/8 + ((8/8 + 8 \times 8) \times (((8 + 8)/8) + 8 \times 8))$
:= $(9 \times ((9 + 9) \times (9 + 9 + 9) - 9)) - (9 + 9)/9$
- ▶ 4292 := $(1 + 1)^{11} + ((1 + 1) \times (11 + 1111))$
:= $2 + (22 \times (((2^{2+2} - 2)^2) - 2/2))$
:= $(3^3 \times ((3 + 3) \times 3^3 - 3)) - 3/3$
:= $4 + ((4 \times 4 \times (4^4 - 4)) + 4^4)$
:= $55 + ((5555 + 5)/5 + 5^5)$
:= $66 \times 66 - ((6 + 6)/6)^6$
:= $7/7 + ((77 \times (7 \times 7 + 7)) - (7 + 7 + 7))$
:= $((((8 + 8)/8) + 8 \times 8)^{(8+8)/8}) - 8 \times 8$
:= $(9 \times ((9 + 9) \times (9 + 9 + 9) - 9)) - 9/9$
- ▶ 4293 := $(1 + 1 + 1) \times (1 + ((1 + 1 + 11) \times (111 - 1)))$
:= $((((2 \times 2 \times 22 + 2)^2) + 22^2) + 2)/2$
:= $3^3 \times ((3 + 3) \times 3^3 - 3)$
:= $(4 - 4/4)^4 \times (4^4 - 44)/4$
:= $((5 + 5)/5 + 5) \times ((5^5 - 55)/5) - 5$
:= $6/6 + (66 \times 66 - ((6 + 6)/6)^6)$
:= $((7 + 7)/7)^7 + (7 \times (7 \times (77 + 7) + 7))$
:= $(8 \times 8 - 88/8) \times ((8/8 - 8) + 88)$
:= $9 \times (9 + 9) \times (9 + 9 + 9) - 9$
- ▶ 4294 := $(1 + 1) \times (111 + ((1 + 1)^{11} - (1 + 11)))$
:= $(22 - (2/2 + 2)) \times (222 + 2 + 2)$
:= $3/3 + (3^3 \times ((3 + 3) \times 3^3 - 3))$
:= $4 + ((4^4 + 4)/4 \times ((4^4 + 4 + 4)/4))$
:= $5^5 + (((5^5 - 55)/5) + 555)$
:= $6 + (((6 + 6)/6)^6 \times (66 + 6/6))$
:= $(77 \times (7 \times 7 + 7)) - (77/7 + 7)$
:= $8 + (8 \times (8 \times 8 \times 8 + 8 + 8 + 8) - ((8 + 8)/8))$
:= $9/9 + (9 \times ((9 + 9) \times (9 + 9 + 9) - 9))$
- ▶ 4295 := $((1 + 1) \times (111 + ((1 + 1)^{11} - 11))) - 1$
:= $2^{2 \times (2+2+2)} + (((22 - 2)^2 - 2)/2)$
:= $3 + (3^3 \times ((3 + 3) \times 3^3 - 3)) - 3/3$
:= $44/4 + ((4^4 - 4) \times (4 \times 4 + 4/4))$
:= $((5 + 5) \times (555 - 5 \times 5 \times 5)) - 5$
:= $6 + (66 \times 66 - (66 + 6/6))$
:= $((7 - 77)/7) + ((77 \times (7 \times 7 + 7)) - 7)$
:= $8 + (8 \times (8 \times 8 \times 8 + 8 + 8 + 8) - 8/8)$
:= $(9 + 9)/9 + (9 \times ((9 + 9) \times (9 + 9 + 9) - 9))$
- ▶ 4296 := $(1 + 1) \times (111 + ((1 + 1)^{11} - 11))$
:= $2 \times (((2 \times (2 + 2) + 2)^2) + 2^{22/2})$
:= $3 + (3^3 \times ((3 + 3) \times 3^3 - 3))$
:= $4 + (((4 \times 4 \times (4^4 - 4)) + 4^4) + 4)$
:= $5 + ((5555/5 + 5^5) + 55)$
:= $6 + (66 \times (66 - 6/6))$
:= $(7/7 + 7) \times (7 \times 77 - ((7 + 7)/7))$
:= $8 + 8 \times (8 \times 8 \times 8 + 8 + 8 + 8)$
:= $(9 - 9/9) \times (9 \times (9 \times 9 - 9) - 999/9)$
- ▶ 4297 := $1 + ((1 + 1) \times (111 + ((1 + 1)^{11} - 11)))$
:= $2^{2 \times (2+2+2)} + (((22 - 2)^2 + 2)/2)$
:= $3 + (3^3 \times ((3 + 3) \times 3^3 - 3)) + 3/3$
:= $4 + ((4 - 4/4)^4 \times (4^4 - 44)/4)$
:= $5 + (((5555 + 5)/5 + 5^5) + 55)$
:= $6 + ((66 \times (66 - 6/6)) + 6/6)$
:= $(77 \times (7 \times 7 + 7)) - (7/7 + 7 + 7)$
:= $8 + (((8/8 + 8 \times 8)^{(8+8)/8}) + 8 \times 8)$
:= $9 + ((9 - 9/9) \times (((99 \times 99 + 9)/(9 + 9)) - 9))$
- ▶ 4298 := $(1 + 1) \times (1 + (111 + ((1 + 1)^{11} - 11)))$
:= $22 + (2 \times ((2 \times 22 + 2)^2 + 22))$
:= $3 + (((3^3 \times ((3 + 3) \times 3^3 - 3)) - 3/3) + 3)$
:= $4 + (((4^4 + 4)/4 \times ((4^4 + 4 + 4)/4)) + 4)$
:= $((5 + 5)/5 + 5) \times ((5^5 - 55)/5)$
:= $6 + (66 \times 66 - ((6 + 6)/6)^6)$
:= $(77 \times (7 \times 7 + 7)) - (7 + 7)$
:= $8 + ((8/8 + 8 \times 8) \times (((8 + 8)/8) + 8 \times 8))$
:= $((9 \times 9 + 9)/(9 + 9)) + (9 \times ((9 + 9) \times (9 + 9 + 9) - 9))$
- ▶ 4299 := $1 + ((1 + 1) \times (1 + (111 + ((1 + 1)^{11} - 11))))$
:= $(22 \times ((2^{2+2} - 2)^2)) - (22/2 + 2)$
:= $3 + (3^3 \times ((3 + 3) \times 3^3 - 3)) + 3$
:= $4^4 + (((44 - 4^4)/4) + (4 + 4)^4)$
:= $5^5 + (((5^5 - 5)/5 - 5) + 555)$
:= $6 + ((66 \times 66 - ((6 + 6)/6)^6) + 6/6)$
:= $7/7 + ((77 \times (7 \times 7 + 7)) - (7 + 7))$
:= $88/8 + 8 \times (8 \times 8 \times 8 + 8 + 8 + 8)$
:= $9 + ((9 \times ((9 + 9) \times (9 + 9 + 9) - 9)) - ((9 + 9 + 9)/9))$
- ▶ 4300 := $(11 - 1) \times (((11 + (11 - 1))^{1+1}) - 11)$
:= $2 \times ((2 \times (2 \times (22^2 - 2))) + 222)$
:= $(33/3 + 3 \times 3) \times ((3 + 3)^3 - 3/3)$
:= $4 \times (((44/4)^{4-4/4}) - 4^4)$
:= $(5 + 5) \times (555 - 5 \times 5 \times 5)$
:= $6 + (((6 + 6)/6)^6 \times (66 + 6/6)) + 6$
:= $(77 \times (7 \times 7 + 7)) - (77 + 7)/7$
:= $8 + (((((8 + 8)/8) + 8 \times 8)^{(8+8)/8}) - 8 \times 8)$
:= $9 + ((9 \times ((9 + 9) \times (9 + 9 + 9) - 9)) - ((9 + 9)/9))$
- ▶ 4301 := $11 \times ((1 + 1)^{11-1-1} - 11^{1+1})$
:= $(22 \times ((2^{2+2} - 2)^2)) - 22/2$
:= $(33/3)^3 + (3 \times (3 \times (333 - 3)))$
:= $(4 \times 4 + 4/4) \times ((4/4 - 4) + 4^4)$
:= $5^5 + (((5^5 + 5)/5 - 5) + 555)$
:= $66/6 + (66 \times (66 - 6/6))$
:= $(77 \times (7 \times 7 + 7)) - 77/7$
:= $8 + ((8 \times 8 - 88/8) \times ((8/8 - 8) + 88))$
:= $9 + ((9 \times ((9 + 9) \times (9 + 9 + 9) - 9)) - 9/9)$
- ▶ 4302 := $1 + (11 \times ((1 + 1)^{11-1-1} - 11^{1+1}))$
:= $(2/2 + 2)^2 \times (22^2 - (2 + 2 + 2))$
:= $(3 + 3) \times (3^{3+3} - (3 \times 3 + 3))$
:= $4/4 + ((4 \times 4 + 4/4) \times ((4/4 - 4) + 4^4))$
:= $55 + (((5555 + 55)/5) + 5^5)$
:= $6 + ((66 \times (66 - 6/6)) + 6)$
:= $((7 - 77)/7) + (77 \times (7 \times 7 + 7))$
:= $8 + ((8 \times (8 \times 8 \times 8 + 8 + 8 + 8) - ((8 + 8)/8)) + 8)$
:= $9 + (9 \times ((9 + 9) \times (9 + 9 + 9) - 9))$

- 4303 := $(1+1+11) \times (1+((1+1+1) \times (111-1)))$
:= $2 + ((22 \times ((2^{2+2} - 2)^2)) - 22/2)$
:= $3/3 + ((3+3) \times (3^{3+3} - (3 \times 3+3)))$
:= $4^4 + ((4+4)^4 - ((44+4/4)+4))$
:= $5 + (((5+5)/5+5) \times ((5^5 - 55)/5))$
:= $6 + (((66 \times (66-6/6)) + 6/6) + 6)$
:= $(77 \times (7 \times 7+7)) - ((7+7)/7+7)$
:= $8 + ((8 \times (8 \times 8 \times 8+8+8+8) - 8/8) + 8)$
:= $9 + ((9 \times ((9+9) \times (9+9+9) - 9)) + 9/9)$
- 4304 := $1 + ((1+1+11) \times (1+((1+1+1) \times (111-1))))$
:= $2 \times ((2 \times 22+2)^2 + (2+2+2)^2)$
:= $33/3 + (3^3 \times ((3+3) \times 3^3 - 3))$
:= $4 \times (((4 \times 4^4 + 44) + 4) + 4)$
:= $5^5 + ((5^5 - 5)/5 + 555)$
:= $6 + ((66 \times 66 - ((6+6)/6)^6) + 6)$
:= $(7/7+7) \times (7 \times 77 - 7/7)$
:= $8 + (8 \times (8 \times 8 \times 8+8+8+8) + 8)$
:= $99/9 + (9 \times ((9+9) \times (9+9+9) - 9))$
- 4305 := $((1+1) \times (111 + ((1+1)^{11} - 1))) - 11$
:= $((22/2+2) + 2) \times (((22+2)^2) - 2)/2$
:= $3 + ((3+3) \times (3^{3+3} - (3 \times 3+3)))$
:= $4 + ((4 \times 4 + 4/4) \times ((4/4 - 4) + 4^4))$
:= $5^5 + (5^5/5 + 555)$
:= $(6 \times 6 - 6/6) \times ((666/6 + 6) + 6)$
:= $(77 \times (7 \times 7+7)) - 7$
:= $88 + (((8/8 + 8 \times 8)^{(8+8)/8}) - 8)$
:= $(99+9)/9 + (9 \times ((9+9) \times (9+9+9) - 9))$
- 4306 := $((1+1) \times (111 + (1+1)^{11})) - 1 - 11$
:= $(22 \times 222) - (((22+2)^2) + 2)$
:= $(3+3)^3 + ((3/3+3)^{3+3} - (3+3))$
:= $4^4 + ((4+4)^4 - ((4+4)/4 + 44))$
:= $5^5 + ((5^5 + 5)/5 + 555)$
:= $6 \times 6 \times 6 + (((6+6)/6)^{6+6}) - 6$
:= $7/7 + ((77 \times (7 \times 7+7)) - 7)$
:= $8 + (((8/8 + 8 \times 8) \times ((8+8)/8) + 8 \times 8) + 8)$
:= $9 \times 9 + (((999+9)/(9+9)) + 9)^{(9+9)/9}$
- 4307 := $((1+1) \times (111 + (1+1)^{11})) - 11$
:= $222 + (2^{2 \times (2+2+2)} - 22/2)$
:= $((3+3) \times 3^{3+3}) - (((3/3+3)^3) + 3)$
:= $4^4 + (4+4)^4 - (44+4/4)$
:= $5^5 + ((5^5 + 5+5)/5 + 555)$
:= $6 + ((66 \times (66-6/6)) + (66/6))$
:= $(7+7)/7 + ((77 \times (7 \times 7+7)) - 7)$
:= $8 + (8 \times (8 \times 8 \times 8+8+8+8) + (88/8))$
:= $((9/9 - 9) + 9 \times 9) \times (((9 \times 99+9)/(9+9)) + 9)$
- 4308 := $1 + (((1+1) \times (111 + (1+1)^{11})) - 11)$
:= $(22 \times 222) - ((22+2)^2)$
:= $(3+3) \times (3^{3+3} - 33/3)$
:= $4^4 + ((4+4)^4 - 44)$
:= $5 + (((5+5)/5+5) \times ((5^5 - 55)/5) + 5)$
:= $(6+6) \times (6 \times (66-6) - 6/6)$
:= $7 + ((77 \times (7 \times 7+7)) - (77/7))$
:= $88 + ((88 \times (88+8) - 8)/((8+8)/8))$
:= $(9 - ((9+9+9)/9)) \times (9 \times 9 \times 9 - (99/9))$
- 4309 := $((1+1) \times (1 + (111 + (1+1)^{11}))) - 11$
:= $(22 \times ((2^{2+2} - 2)^2)) - 2/2 - 2$
:= $(3+3)^3 + ((3/3+3)^{3+3} - 3)$
:= $4/4 + (((4+4)^4 - 44) + 4^4)$
:= $5 + (((5^5 - 5)/5 + 555) + 5^5)$
:= $66 \times 66 - (66/6 + 6 \times 6)$
:= $(77 \times (7 \times 7+7)) - (7+7+7)/7$
:= $8 + (((8 \times 8 - 88/8) \times ((8/8 - 8) + 88)) + 8)$
:= $((9/9+9) \times (((9+9)/9)^9) - 9 \times 9) - 9/9$
- 4310 := $(1+1) \times ((11 \times (1+1+1+11)^{1+1}) - 1)$
:= $(22 \times ((2^{2+2} - 2)^2)) - 2$
:= $((3+3) \times 3^{3+3}) - ((3/3+3)^3)$
:= $4^4 + (((4+4)/4 - 44) + (4+4)^4)$
:= $5 + ((5^5/5 + 555) + 5^5)$
:= $(6 - 66)/6 + (6 \times (6+6) \times (66-6))$
:= $(77 \times (7 \times 7+7)) - (7+7)/7$
:= $88 + ((8 \times (8 \times 8 \times 8+8+8) - ((8+8)/8))$
:= $(9/9+9) \times (((9+9)/9)^9) - 9 \times 9$
- 4311 := $((1+1) \times (11 \times (1+1+1+11)^{1+1})) - 1$
:= $(22 \times ((2^{2+2} - 2)^2)) - 2/2$
:= $3 + ((3+3) \times (3^{3+3} - 33/3))$
:= $4 + ((4+4)^4 - (44+4/4) + 4^4)$
:= $5 + (((5^5 + 5)/5 + 555) + 5^5)$
:= $66 + (66 \times 66 - 666/6)$
:= $(77 \times (7 \times 7+7)) - 7/7$
:= $88 + ((8 \times (8 \times 8 \times 8+8+8) - 8/8)$
:= $9 + ((9 \times ((9+9) \times (9+9+9) - 9)) + 9)$
- 4312 := $(1+1) \times (11 \times (1+1+1+11)^{1+1})$
:= $22 \times ((2^{2+2} - 2)^2)$
:= $(3+3)^3 + (3/3+3)^{3+3}$
:= $4 + (((4+4)^4 - 44) + 4^4)$
:= $((5+5)/5+5) \times ((5^5 + 5)/5 - (5+5))$
:= $6 \times 6 \times 6 + (((6+6)/6)^{6+6})$
:= $77 \times (7 \times 7+7)$
:= $88 + (8 \times (8 \times 8 \times 8+8))$
:= $(9 - 9/9) \times (((9+9)/9)^9 + 9) + 9$
- 4313 := $1 + ((1+1) \times (11 \times (1+1+1+11)^{1+1}))$
:= $2/2 + (22 \times ((2^{2+2} - 2)^2))$
:= $3 + (((3+3) \times 3^{3+3}) - ((3/3+3)^3))$
:= $4 + (((4+4)^4 - 44) + 4^4) + 4/4$
:= $((5+5)/5+5) \times ((5^5 - 5)/5) - 55$
:= $66 \times 66 - ((6 \times 6 + 6/6) + 6)$
:= $7/7 + (77 \times (7 \times 7+7))$
:= $88 + ((8/8 + 8 \times 8)^{(8+8)/8})$
:= $9 + ((9 \times ((9+9) \times (9+9+9) - 9)) + (99/9))$
- 4314 := $(1+1) \times (111 + ((1+1)^{11} - (1+1)))$
:= $2 + (22 \times ((2^{2+2} - 2)^2))$
:= $(3+3) \times (((3-33)/3) + 3^{3+3})$
:= $(4+4)^4 + ((444/(4+4)/4) - 4)$
:= $5 + (((5^5 - 5)/5 + 555) + 5^5) + 5$
:= $66 \times 66 - (6 \times 6 + 6)$
:= $(7+7)/7 + (77 \times (7 \times 7+7))$
:= $8/8 + (((8/8 + 8 \times 8)^{(8+8)/8}) + 88)$
:= $(9 - ((9+9+9)/9)) \times (9 \times 9 \times 9 - (9/9+9))$
- 4315 := $((1+1) \times (111 + ((1+1)^{11} - 1))) - 1$
:= $2 + ((22 \times ((2^{2+2} - 2)^2)) + 2/2)$
:= $3 + ((3/3+3)^{3+3} + (3+3)^3)$
:= $44 + ((4 \times 44 - 4/4) + (4+4)^4)$
:= $5^5 + (5 \times (((5 - (5+5)/5)^5) - 5))$
:= $6/6 + (66 \times 66 - (6 \times 6 + 6))$
:= $(7+7+7)/7 + (77 \times (7 \times 7+7))$
:= $8 + ((8 \times (8 \times 8 \times 8+8+8+8) + (88/8)) + 8)$
:= $((99+99)/9) + (9 \times ((9+9) \times (9+9+9) - 9))$
- 4316 := $(1+1) \times (111 + ((1+1)^{11} - 1))$
:= $2 \times ((2 \times 22)^2 + 222)$
:= $((3 \times 3 + 3/3) + 3) \times (333 - 3/3)$
:= $44 + (4 \times 44 + (4+4)^4)$
:= $(5 - 5/5) \times ((5 - 5/5)^5 + 55)$
:= $(6+6)/6 + (66 \times 66 - (6 \times 6 + 6))$
:= $77/7 + ((77 \times (7 \times 7+7)) - 7)$
:= $(8888/(8+8)/8) - 8 \times (8+8)$
:= $((9 \times 9 - 9)/(9+9)) \times ((999 - 9/9) + 9 \times 9)$
- 4317 := $((1+1) \times (111 + (1+1)^{11})) - 1$
:= $2/2 + (2 \times ((2 \times 22)^2 + 222))$
:= $((3+3) \times (3^{3+3} - 3 \times 3)) - 3$
:= $44 + ((4 \times 44 + (4+4)^4) + 4/4)$
:= $5 + (((5+5)/5+5) \times ((5^5 + 5)/5 - (5+5)))$
:= $66 \times 66 - ((66 \times 6/(6+6)) + 6)$
:= $7 + ((77 \times (7 \times 7+7)) - ((7+7)/7))$
:= $8/8 + ((8888/((8+8)/8)) - 8 \times (8+8))$
:= $9 + ((9 - ((9+9+9)/9)) \times (9 \times 9 \times 9 - (99/9)))$

- 4318 := $(1+1) \times (111 + (1+1)^{11})$
:= $222 + 2^{2 \times (2+2+2)}$
:= $3 + (((3/3 + 3)^{3+3} + (3+3)^3) + 3)$
:= $(4+4)^4 + (444 / ((4+4)/4))$
:= $5 + (((5+5)/5 + 5) \times (5^5 - 5)/5) - 55$
:= $6 + (((6+6)/6)^{6+6} + 6 \times 6 \times 6)$
:= $7 + ((77 \times (7 \times 7 + 7)) - 7/7)$
:= $88 + ((8 - (8+8)/8) \times (8 \times 88 + 8/8))$
:= $((9 - 9/9) + 9) \times (9 \times (9+9+9) + (99/9))$
- 4319 := $1 + ((1+1) \times (111 + (1+1)^{11}))$
:= $2/2 + (2^{2 \times (2+2+2)} + 222)$
:= $((3+3) \times (3^{3+3} - 3 \times 3)) - 3/3$
:= $4^4 + ((44/4 - 44) + (4+4)^4)$
:= $5^5 + (((5^5 - 5 + 5^5)/5) - 55)$
:= $66 \times 66 - (6 \times 6 + 6/6)$
:= $7 + (77 \times (7 \times 7 + 7))$
:= $(8 - 8/8) \times (88 \times (8 - 8/8) + 8/8)$
:= $9 + ((9/9 + 9) \times (((9+9)/9)^9 - 9 \times 9))$
- 4320 := $(1+1) \times (1 + (111 + (1+1)^{11}))$
:= $2 + (2^{2 \times (2+2+2)} + 222)$
:= $(3+3) \times (3^{3+3} - 3 \times 3)$
:= $4 \times ((4 \times (4^4 + 4) - 4) + 44)$
:= $(55/5 + 5) \times (5 \times 55 - 5)$
:= $6 \times (6+6) \times (66 - 6)$
:= $7 + ((77 \times (7 \times 7 + 7)) + 7/7)$
:= $8 + ((8 \times (8 \times 8 + 8 + 8)) + 88)$
:= $(99 + 9) \times ((9 \times 9 \times 9 - 9)/(9+9))$
- 4321 := $1 + ((1+1) \times (1 + (111 + (1+1)^{11})))$
:= $(2 \times 2222) - ((22/2)^2 + 2)$
:= $3/3 + ((3+3) \times (3^{3+3} - 3 \times 3))$
:= $4/4 + ((4 \times (4 \times 4^4 - (4+4))) + 4^4)$
:= $5 + ((5 - 5/5) \times ((5 - 5/5)^5 + 55))$
:= $6/6 + (6 \times (6+6) \times (66 - 6))$
:= $7 + ((77 \times (7 \times 7 + 7)) + ((7+7)/7))$
:= $8 + (((8/8 + 8 \times 8)^{(8+8)/8}) + 88)$
:= $9 + ((9 - 9/9) \times (((9+9)/9)^9 + 9) + 9)$
- 4322 := $(1+1) \times (1 + (1 + (111 + (1+1)^{11})))$
:= $222 + (2 \times (2^{22/2} + 2))$
:= $3 + (((3+3) \times (3^{3+3} - 3 \times 3)) - 3/3)$
:= $4 + ((444 / ((4+4)/4)) + (4+4)^4)$
:= $5^5 + (((5+5)/5 \times (5^5 + 5)/5) - 55)$
:= $(6+6)/6 + (6 \times (6+6) \times (66 - 6))$
:= $((77 - 7)/7) + (77 \times (7 \times 7 + 7))$
:= $8 + (((8/8 + 8 \times 8)^{(8+8)/8}) + 88) + 8/8$
:= $9 + (((9 \times (9+9) \times (9+9+9) - 9) + (99/9)) + 9)$
- 4323 := $11 \times ((1+1+1) \times ((11 \times (1+11)) - 1))$
:= $(2 \times 2222) - (22/2)^2$
:= $3 + ((3+3) \times (3^{3+3} - 3 \times 3))$
:= $4444 - ((44/4)^{(4+4)/4})$
:= $5 \times 5 + (((5+5)/5 + 5) \times ((5^5 - 55)/5))$
:= $66 \times 66 - (66 \times 6 / (6+6))$
:= $77/7 + (77 \times (7 \times 7 + 7))$
:= $88 + ((8 \times (8 \times 8 + 8 + 8)) + (88/8))$
:= $999/9 + ((9+9) \times (9 \times (9+9+9) - 9))$
- 4324 := $1 + (11 \times ((1+1+1) \times ((11 \times (1+11)) - 1)))$
:= $2 + ((2 \times (2^{22/2} + 2)) + 222)$
:= $3 + (((3+3) \times (3^{3+3} - 3 \times 3)) + 3/3)$
:= $4 + ((4 \times (4 \times 4^4 - (4+4))) + 4^4)$
:= $(5 - 5/5)^5 + 55 \times (55 + 5)$
:= $6 + (((6+6)/6)^{6+6} + 6 \times 6 \times 6) + 6$
:= $(77 + 7)/7 + (77 \times (7 \times 7 + 7))$
:= $8 + ((8888 / ((8+8)/8)) - 8 \times (8+8))$
:= $99 + (((999 + 9) / (9+9)) + 9)^{(9+9)/9}$
- 4325 := $((1+1+1) \times (111 + 11^{1+1+1})) - 1$
:= $2 + ((2 \times 2222) - (22/2)^2)$
:= $333 + ((3 \times (33/3)^3) - 3/3)$
:= $4^4 + ((4+4)^4 - (44/4 + 4 \times 4))$
:= $5^5 + (5+5) \times (5 \times 5 \times 5 - 5)$
:= $6 + (66 \times 66 - (6 \times 6 + 6/6))$
:= $7 + (((77 \times (7 \times 7 + 7)) - 7/7) + 7)$
:= $88 + ((8 \times (8 \times 8 + 8 + 8)) - (88/8)) + 88$
:= $((9 - 9 \times 99) / (9+9)) + 9 \times (9+9) \times (9+9+9)$
- 4326 := $(1+1+1) \times (111 + 11^{1+1+1})$
:= $222 + (2 \times ((2^{22/2} + 2) + 2))$
:= $333 + (3 \times (33/3)^3)$
:= $4 + (((444 / ((4+4)/4)) + (4+4)^4) + 4)$
:= $5^5 + ((5+5) \times (5 \times 5 \times 5 - 5) + 5/5)$
:= $6 + (6 \times (6+6) \times (66 - 6))$
:= $7 + ((77 \times (7 \times 7 + 7)) + 7)$
:= $(8 - 8/8) \times (((8+8)/8) - 88) + 8 \times 88$
:= $(9 - (9+9)/9) \times (9 \times 9 \times 9 - 999/9)$
- 4327 := $1 + ((1+1+1) \times (111 + 11^{1+1+1}))$
:= $2 \times (2222 + 2) - (22/2)^2$
:= $3/3 + ((3 \times (33/3)^3) + 333)$
:= $((4 \times 4 + 4/4) \times (4^4 - 4/4)) - 4 - 4$
:= $((5+5)/5 + 5) \times (5^5 + 5)/5 - 55$
:= $6 + ((6 \times (6+6) \times (66 - 6)) + 6/6)$
:= $7 + (((77 \times (7 \times 7 + 7)) + 7/7) + 7)$
:= $8 + ((8 - 8/8) \times (88 \times (8 - 8/8) + 8/8))$
:= $9 + (((9 - 9/9) + 9) \times (9 \times (9+9+9) + (99/9)))$
- 4328 := $((1+1+1) \times (111 \times (1+1+11))) - 1$
:= $22^2 + ((2^{2+2+2} - 2)^2)$
:= $(33/3)^3 + 3 \times 3 \times 333$
:= $44 + ((4^4 - 4) \times (4 \times 4 + 4/4))$
:= $((5+5)/5 + 5) \times ((5^5 - 5)/5 - 5)$
:= $6 + ((6 \times (6+6) \times (66 - 6)) + ((6+6)/6))$
:= $(7/7 + 7) \times (7 \times 77 + ((7+7)/7))$
:= $(8 \times (8 \times (88 - 8) - 88)) - 88$
:= $9 + (((9/9 + 9) \times (((9+9)/9)^9 - 9 \times 9)) + 9)$
- 4329 := $(1+1+1) \times (111 \times (1+1+11))$
:= $(2/2 + 2)^2 \times (22^2 - (2/2 + 2))$
:= $333 \times ((3 \times 3 + 3/3) + 3)$
:= $444/4 \times (44 - (4/4 + 4))$
:= $5 + (55 \times (55 + 5) + (5 - 5/5)^5)$
:= $(6 \times 6 + 6/6) \times (666/6 + 6)$
:= $7 + ((77 \times (7 \times 7 + 7)) + ((77 - 7)/7))$
:= $8 + (((8/8 + 8 \times 8)^{(8+8)/8}) + 88) + 8$
:= $9 + ((99 + 9) \times ((9 \times 9 \times 9 - 9)/(9+9)))$
- 4330 := $1 + ((1+1+1) \times (111 \times (1+1+11)))$
:= $2 + (((2^{2+2+2} - 2)^2) + 22^2)$
:= $3/3 + (333 \times ((3 \times 3 + 3/3) + 3))$
:= $4^4 + ((4+4)^4 - (44 / ((4+4)/4)))$
:= $5 + ((5+5) \times (5 \times 5 \times 5 - 5) + 5^5)$
:= $((66 - 6)/6) + (6 \times (6+6) \times (66 - 6))$
:= $7 + ((77 \times (7 \times 7 + 7)) + (77/7))$
:= $8 \times 8 + ((8 - (8+8)/8) \times ((8 \times 88 - 8/8) + 8))$
:= $9 \times (9+9) + ((9 - 9/9) \times (((9+9)/9)^9 + 9))$
- 4331 := $1 + (1 + ((1+1+1) \times (111 \times (1+1+11))))$
:= $(2 \times 2222) - (222/2 + 2)$
:= $3 + (3 \times 3 \times 333 + (33/3)^3)$
:= $((4 \times 4 + 4/4) \times (4^4 - 4/4)) - 4$
:= $((55/5 + 55)^{(5+5)/5}) - 5 \times 5$
:= $66/6 + (6 \times (6+6) \times (66 - 6))$
:= $7 + ((77 \times (7 \times 7 + 7)) + (77 + 7)/7)$
:= $((8 \times 8 - 8/8) + 8) \times ((8 \times 8 - 88/8) + 8)$
:= $(9 \times 9 - (9/9 + 9)) \times (9 \times 9 - (99/9 + 9))$
- 4332 := $(1+1+1) \times (1 + (111 \times (1+1+11)))$
:= $(2/2 + 2) \times ((2 + 2 + 2)^2 + 2)^2$
:= $3 \times 333 + 3333$
:= $4^4 + ((4+4)^4 - (4 \times 4 + 4))$
:= $5 + (((5+5)/5 + 5) \times (5^5 + 5)/5) - 55$
:= $6 + ((6 \times (6+6) \times (66 - 6)) + 6)$
:= $(77 - 7/7) \times ((7/7 + 7 \times 7) + 7)$
:= $((88 + 8)/8) \times ((88/8 + 8)^{(8+8)/8})$
:= $999 + (9999 / ((9+9+9)/9))$

- 4333 := $((1+1) \times ((1+1) \times 1111)) - 111$
:= $(2 \times 2222) - 222/2$
:= $3333 + ((3 \times 3 + 3/3)^3)$
:= $4444 - 444/4$
:= $((5+5)/5 + 5) \times ((5^5 - 5)/5 - 5)$
:= $66 \times 66 - ((66/6 + 6) + 6)$
:= $7 + (((77 \times (7 \times 7 + 7)) + 7) + 7)$
:= $(8888 / ((8+8)/8)) - 888/8$
:= $((9 \times (9 \times (99+9) - 9)) - 9/9) / ((9+9)/9)$
- 4334 := $1 + (((1+1) \times ((1+1) \times 1111)) - 111)$
:= $(2^{2+2+2} + 2)^2 - 22$
:= $((3+3) \times (3^{3+3} - (3+3))) - (3/3 + 3)$
:= $4444 + ((4 - 444)/4)$
:= $5^5 + ((55 \times (55 + 55) - 5)/5)$
:= $66/6 \times (6 \times 66 - ((6+6)/6))$
:= $7 + (((77 \times (7 \times 7 + 7)) + 7/7) + 7) + 7)$
:= $(888 - 8)/8 + (8 \times (8 \times 8 \times 8 + 8 + 8))$
:= $((99 + 99)/9) \times ((99 - 9/9) + 99)$
- 4335 := $(1+1+1) \times (1 + (1 + (111 \times (1+1+1))))$
:= $2 + ((2 \times 2222) - 222/2)$
:= $((3+3) \times (3^{3+3} - (3+3))) - 3$
:= $(4 \times 4 + 4/4) \times (4^4 - 4/4)$
:= $5 \times ((5^5 - 5)/5 + 5 + 555)$
:= $6 + ((6 \times 6 + 6/6) \times (666/6 + 6))$
:= $7 + ((7/7 + 7) \times (7 \times 77 + ((7+7)/7)))$
:= $888/8 + (8 \times (8 \times 8 \times 8 + 8 + 8))$
:= $(9 \times (((9+9)/9)^9) - (9+9)) - 999/9$
- 4336 := $(1+1) \times (11^{1+1} + ((1+1)^{11} - 1))$
:= $2 + ((2^{2+2+2} + 2)^2 - 22)$
:= $3 + (((3 \times 3 + 3/3)^3) + 3333)$
:= $4 \times (4 \times (4^4 + 4) + 44)$
:= $5^5 + ((55 \times (55 + 55) + 5)/5)$
:= $66 \times 66 - (((6+6)/6 + 6 + 6) + 6)$
:= $(7/7 + 7) \times (((7+7+7)/7) + 7 \times 77)$
:= $88 + (8 \times (8 \times 8 \times 8 + 8) + 88)$
:= $((9+9+9) \times (9 \times (9+9) - 9/9)) - 99/9$
- 4337 := $((1+1) \times (11^{1+1} + (1+1)^{11})) - 1$
:= $(22^2 - 2)/2 + 2^{2 \times (2+2+2)}$
:= $((3+3) \times (3^{3+3} - (3+3))) - 3/3$
:= $4 + (4444 - 444/4)$
:= $5^5 + ((5+5)/5 \times ((55 \times 55 + 5)/5))$
:= $66 \times 66 - ((6/6 + 6 + 6) + 6)$
:= $7 + (((77 \times (7 \times 7 + 7)) + (77/7)) + 7)$
:= $8/8 + ((8 \times (8 \times 8 \times 8 + 8) + 88) + 88)$
:= $((9+9+9) \times (9 \times (9+9) - 9/9)) - 9/9 - 9$
- 4338 := $(1+1) \times (11^{1+1} + (1+1)^{11})$
:= $(2/2 + 2)^2 \times (22^2 - 2)$
:= $(3+3) \times (3^{3+3} - (3+3))$
:= $(4+4)^4 + 44 \times 44 / (4+4)$
:= $5 + (((5+5)/5 + 5) \times ((5^5 - 5)/5 - 5))$
:= $6 \times (((6 \times 6 / (6+6))^6) - 6)$
:= $7 + (((77 \times (7 \times 7 + 7)) + (77+7)/7) + 7)$
:= $(8 - (8+8)/8) \times ((88/8 + 8 \times 88) + 8)$
:= $(9+9) \times (9 \times (9+9+9) - ((9+9)/9))$
- 4339 := $1 + ((1+1) \times (11^{1+1} + (1+1)^{11}))$
:= $2/2 + ((2/2 + 2)^2 \times (22^2 - 2))$
:= $3/3 + ((3+3) \times (3^{3+3} - (3+3)))$
:= $4 + ((4 \times 4 + 4/4) \times (4^4 - 4/4))$
:= $5^5 + ((5 \times ((5 - (5+5)/5)^5)) - 5/5)$
:= $66 \times 66 - (66/6 + 6)$
:= $7 + ((77 - 7/7) \times ((7/7 + 7 \times 7) + 7))$
:= $((8/8 - 8 \times 8) \times ((88/8 - 88) + 8)) - 8$
:= $9/9 + ((9+9) \times (9 \times (9+9+9) - ((9+9)/9)))$
- 4340 := $(1+1) \times (1 + (11^{1+1} + (1+1)^{11}))$
:= $2 + ((2/2 + 2)^2 \times (22^2 - 2))$
:= $((3+3) \times 3^{3+3}) - 3/3 - 33$
:= $4 + (4 \times (4 \times 4^4 - 4) + 4^4)$
:= $5^5 + (5 \times ((5 - (5+5)/5)^5))$
:= $(6 - 66)/6 + (66 \times 66 - 6)$
:= $7 + (((77 \times (7 \times 7 + 7)) + 7) + 7) + 7)$
:= $((((8+8)/8) + 8 \times 8)^{(8+8)/8}) - 8 - 8$
:= $(9 - (9+9)/9) \times (((9+9)/9)^9 + 99 + 9)$
- 4341 := $1 + ((1+1) \times (1 + (11^{1+1} + (1+1)^{11})))$
:= $2 + (((2/2 + 2)^2 \times (22^2 - 2)) + 2/2)$
:= $((3+3) \times 3^{3+3}) - 33$
:= $4^4 + ((4+4)^4 - 44/4)$
:= $5^5 + ((5 \times ((5 - (5+5)/5)^5)) + 5/5)$
:= $66 \times 66 + (6 - 6 \times 6) / ((6+6)/6)$
:= $7 + (((77 \times (7 \times 7 + 7)) + 7/7) + 7) + 7)$
:= $8 \times 8 \times 8 \times 8 + ((8+8) \times (8+8) - (88/8))$
:= $((9+9+9)/9) \times (9 \times 9 \times (9+9) - (99/9))$
- 4342 := $(1+1+11) \times (1 + (1+1+1) \times 111)$
:= $2 + (((2/2 + 2)^2 \times (22^2 - 2)) + 2)$
:= $3/3 + (((3+3) \times 3^{3+3}) - 33)$
:= $4^4 + ((4 - 44)/4 + (4+4)^4)$
:= $((5+5)/5 + 5) \times ((5^5 + 5)/5 - 5) - 5$
:= $66 \times 66 - ((6+6)/6 + 6 + 6)$
:= $((77 - 77/7)^{(7+7)/7}) - (7+7)$
:= $8 + ((8 \times (8 \times 8 \times 8 + 8) + 888 - 8)/8)$
:= $9 + (((9 \times (9 \times (99+9) - 9)) - 9/9) / ((9+9)/9))$
- 4343 := $1 + ((1+1+11) \times (1 + (1+1+1) \times 111))$
:= $222/2 + (2 \times (2 \times 22 + 2)^2)$
:= $3 + (((3+3) \times 3^{3+3}) - (3/3 + 33))$
:= $4^4 + (4+4)^4 - (4/4 + 4 + 4)$
:= $((5+5)/5 + 5) \times ((5^5 - 5)/5) - 5 \times 5$
:= $66 \times 66 - (6/6 + 6 + 6)$
:= $7 + ((7/7 + 7) \times (((7+7+7)/7) + 7 \times 77))$
:= $8 + ((8 \times (8 \times 8 \times 8 + 8) + 888)/8)$
:= $((9 - 9/9) \times (99 \times 99 - 9) / (9+9)) - 9$
- 4344 := $(1+11) \times ((11 \times (11 \times (1+1+1))) - 1)$
:= $2 \times (2222 - ((2 \times (22 + 2)) + 2))$
:= $3 + (((3+3) \times 3^{3+3}) - 33)$
:= $4^4 + ((4+4)^4 - (4+4))$
:= $(5 - 5/5) \times (5555/5 - 5 \times 5)$
:= $66 \times 66 - 6 - 6$
:= $(7/7 + 7) \times ((7 \times 77 - 7) + (77/7))$
:= $8 \times 8 \times 8 \times 8 + ((8+8) \times (8+8) - 8)$
:= $((9+9+9)/9) \times (9 \times 9 \times (9+9) - (9/9+9))$
- 4345 := $11 \times ((11 \times ((1+1+1) \times (1+11))) - 1)$
:= $(2^{2+2+2} + 2)^2 - 22/2$
:= $((3+3) \times (3^{3+3} - 3)) - 33/3$
:= $4 + (((4+4)^4 - 44/4) + 4^4)$
:= $55 \times ((55 - 5/5) + 5 \times 5)$
:= $66 \times 66 - 66/6$
:= $7777/7 + 77 \times (7 \times 7 - 7)$
:= $((8/8 - 88) + 8) \times ((8/8 - 8 \times 8) + 8)$
:= $99/9 \times (((9+9)/9)^9) - (99+9+9)$
- 4346 := $1 + (11 \times ((11 \times ((1+1+1) \times (1+11))) - 1))$
:= $((2 - 22)/2) + (2^{2+2+2} + 2)^2$
:= $((3+3) \times 3^{3+3}) - (3^3 + 3/3)$
:= $4^4 + ((4+4)^4 - ((4+4)/4 + 4))$
:= $5^5 + 55/5 \times 555/5$
:= $(6 - 66)/6 + 66 \times 66$
:= $((7+7)/7) \times (((7+7+7)/7)^7 - (7+7))$
:= $(8 \times 8 - 88/8) \times (((8+8)/8) - 8) + 88$
:= $((9+9+9) \times (9 \times (9+9) - 9/9)) - 9/9$
- 4347 := $(11 - 1 - 1) \times (((11+11)^{1+1}) - 1)$
:= $(2/2 + 2)^2 \times (22^2 - 2/2)$
:= $((3+3) \times 3^{3+3}) - 3^3$
:= $4^4 + ((4+4)^4 - (4/4 + 4))$
:= $((5+5)/5 + 5) \times ((5^5 + 5)/5 - 5)$
:= $66 \times 66 + (((6 - 66) + 6)/6)$
:= $7 \times 7 + ((77 \times (7 \times 7 + 7)) - (7+7))$
:= $(8/8 - 8 \times 8) \times ((88/8 - 88) + 8)$
:= $(9+9+9) \times (9 \times (9+9) - 9/9)$

$$\begin{aligned}
\blacktriangleright 4348 &:= 1 + ((11 - 1 - 1) \times (((11 + 11)^{1+1}) - 1)) \\
&:= 2 \times (2 \times ((22/2 + 22)^2 - 2)) \\
&:= 3/3 + (((3 + 3) \times 3^{3+3}) - 3^3) \\
&:= 4^4 + ((4 + 4)^4 - 4) \\
&:= 5 + (((5 + 5)/5 + 5) \times (5^5 - 5)/5) - 5 \times 5 \\
&:= 66 \times 66 - ((6 + 6)/6 + 6) \\
&:= (7 \times (7 \times (77 + 7 + 7))) - 777/7 \\
&:= (((8 + 8)/8) + 8 \times 8)^{(8+8)/8} - 8 \\
&:= 9/9 + ((9 + 9 + 9) \times (9 \times (9 + 9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4349 &:= 11 + ((1 + 1) \times (11^{1+1} + (1 + 1)^{11})) \\
&:= 2 + ((2/2 + 2)^2 \times (22^2 - 2/2)) \\
&:= 3 + (((3 + 3) \times 3^{3+3}) - (3^3 + 3/3)) \\
&:= 4/4 + (((4 + 4)^4 - 4) + 4^4) \\
&:= 5^5 + ((5 \times (5 \times 5 \times (5 + 5) - 5)) - 5/5) \\
&:= 66 \times 66 - 6/6 - 6 \\
&:= ((77 - 77/7)^{(7+7)/7}) - 7 \\
&:= 8/8 + (((((8 + 8)/8) + 8 \times 8)^{(8+8)/8}) - 8) \\
&:= (9 + 9)/9 + ((9 + 9 + 9) \times (9 \times (9 + 9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4350 &:= (11 - 1) \times ((1 + 1 + 1) \times (1 + (1 + 11)^{1+1})) \\
&:= (2^{2+2+2} + 2)^2 - 2 - 2 - 2 \\
&:= 3 + (((3 + 3) \times 3^{3+3}) - 3^3) \\
&:= 4^4 + ((4 + 4)^4 - (4 + 4)/4) \\
&:= 5 \times ((5 \times (5 \times ((5 \times 5 + 5) + 5))) - 5) \\
&:= 66 \times 66 - 6 \\
&:= 7 \times 7 + ((77 \times (7 \times 7 + 7)) - (77/7)) \\
&:= ((8 + 8)/8) \times (((8 + 8) \times (8 \times (8 + 8) + 8)) - 8/8) \\
&:= (9/9 + 9) \times ((9 + 9) \times (9 + 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4351 &:= 1 + ((11 - 1) \times ((1 + 1 + 1) \times (1 + (1 + 11)^{1+1}))) \\
&:= (2^{2+2+2} + 2)^2 - 2/2 - 2 - 2 \\
&:= 3 + (((3 + 3) \times 3^{3+3}) - 3^3) + 3/3 \\
&:= 4^4 + ((4 + 4)^4 - 4/4) \\
&:= ((55/5 + 55)^{(5+5)/5}) - 5 \\
&:= 6/6 + (66 \times 66 - 6) \\
&:= 7 + ((7/7 + 7) \times ((7 \times 77 - 7) + (77/7))) \\
&:= 8 \times 8 \times 8 \times 8 + ((8 + 8) \times (8 + 8) - 8/8) \\
&:= 9999/9 + ((9 + 9) \times (99 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4352 &:= (1 + 1) \times ((1 + 1) \times ((11 \times (1 + 1 + 1))^{1+1} - 1)) \\
&:= (2^{2+2+2} + 2)^2 - 2 - 2 \\
&:= (3/3 + 3) \times (33 \times 33 - 3/3) \\
&:= 4^4 + (4 + 4)^4 \\
&:= 5 + (((5 + 5)/5 + 5) \times ((5^5 + 5)/5 - 5)) \\
&:= (6 + 6)/6 + (66 \times 66 - 6) \\
&:= (7/7 + 7) \times ((7 \times 77 - ((7 + 7)/7)) + 7) \\
&:= 8 \times ((8 \times 8 \times 8 + 8 + 8 + 8) + 8) \\
&:= (9 - 9/9) \times (99 \times 99 - 9)/(9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4353 &:= (1 + 1 + 1) \times ((11 \times (11 \times (1 + 11))) - 1) \\
&:= (2^{2+2+2} + 2)^2 - 2/2 - 2 \\
&:= ((3 + 3) \times (3^{3+3} - 3)) - 3 \\
&:= 4/4 + ((4 + 4)^4 + 4^4) \\
&:= 5^5 + ((5 + 5)/5 \times ((5^5 - 55)/5)) \\
&:= 66 \times 66 - 6 \times 6/(6 + 6) \\
&:= 7 \times 7 + ((7/7 + 7) \times (7 \times 77 - 7/7)) \\
&:= 8/8 + (8 \times 8 \times 8 \times 8 + (8 + 8) \times (8 + 8)) \\
&:= 9 \times (9 + 9) \times (9 + 9 + 9) - ((99 + 9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4354 &:= (((1 + 1) \times (11 \times (1 + 1 + 1)))^{1+1}) - 1 - 1 \\
&:= (2^{2+2+2} + 2)^2 - 2 \\
&:= 3/3 + (((3 + 3) \times (3^{3+3} - 3)) - 3) \\
&:= 4^4 + ((4 + 4)^4 + (4 + 4)/4) \\
&:= 5^5 + (((55 \times 55 - 5) + 5^5)/5) \\
&:= 66 \times 66 - (6 + 6)/6 \\
&:= 7 \times 7 + ((77 \times (7 \times 7 + 7)) - 7) \\
&:= 8 \times 8 + ((8/8 + 8 \times 8) \times (((8 + 8)/8) + 8 \times 8)) \\
&:= 9 \times (9 + 9) \times (9 + 9 + 9) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4355 &:= (((1 + 1) \times (11 \times (1 + 1 + 1)))^{1+1}) - 1 \\
&:= (2^{2+2+2} + 2)^2 - 2/2 \\
&:= ((3 + 3) \times (3^{3+3} - 3)) - 3/3 \\
&:= 4 + (((4 + 4)^4 - 4/4) + 4^4) \\
&:= 5 + ((5 \times (5 \times 5 \times (5 + 5) - 5)) + 5^5) \\
&:= 66 \times 66 - 6/6 \\
&:= 7/7 + (((77 \times (7 \times 7 + 7)) - 7) + 7 \times 7) \\
&:= (8/8 + 8 \times 8) \times ((88/8 - 8) + 8 \times 8) \\
&:= 9 \times (9 + 9) \times (9 + 9 + 9) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4356 &:= ((1 + 1) \times (11 \times (1 + 1 + 1)))^{1+1} \\
&:= (2^{2+2+2} + 2)^2 \\
&:= (3 + 3) \times (3^{3+3} - 3) \\
&:= 4 + ((4 + 4)^4 + 4^4) \\
&:= (55/5 + 55)^{(5+5)/5} \\
&:= 66 \times 66 \\
&:= (77 - 77/7)^{(7+7)/7} \\
&:= (((8 + 8)/8) + 8 \times 8)^{(8+8)/8} \\
&:= (9 + 9) \times (9 \times (9 + 9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4357 &:= 1 + (((1 + 1) \times (11 \times (1 + 1 + 1)))^{1+1}) \\
&:= 2/2 + (2^{2+2+2} + 2)^2 \\
&:= 3/3 + ((3 + 3) \times (3^{3+3} - 3)) \\
&:= 4 + (((4 + 4)^4 + 4/4) + 4^4) \\
&:= 5^5 + (55/5 \times (555 + 5)/5) \\
&:= 6/6 + 66 \times 66 \\
&:= 7/7 + ((77 - 77/7)^{(7+7)/7}) \\
&:= 8/8 + (((8 + 8)/8) + 8 \times 8)^{(8+8)/8} \\
&:= 9/9 + ((9 + 9) \times (9 \times (9 + 9 + 9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4358 &:= 1 + (1 + (((1 + 1) \times (11 \times (1 + 1 + 1)))^{1+1})) \\
&:= 2 + (2^{2+2+2} + 2)^2 \\
&:= 3 + (((3 + 3) \times (3^{3+3} - 3)) - 3/3) \\
&:= 4 + (((4 + 4)^4 + (4 + 4)/4) + 4^4) \\
&:= (((5 + 5)/5 + 5) \times (5^5 - 5)/5) - 5 - 5 \\
&:= (6 + 6)/6 + 66 \times 66 \\
&:= 7 \times 7 + ((77 \times (7 \times 7 + 7)) - ((7 + 7 + 7)/7)) \\
&:= (8 + 8)/8 + (((8 + 8)/8) + 8 \times 8)^{(8+8)/8} \\
&:= (9 + 9)/9 + ((9 + 9) \times (9 \times (9 + 9 + 9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4359 &:= (1 + 1 + 1) \times (1 + (11 \times (11 \times (1 + 11)))) \\
&:= 2 + ((2^{2+2+2} + 2)^2 + 2/2) \\
&:= 3 + ((3 + 3) \times (3^{3+3} - 3)) \\
&:= 4 + (((4 + 4)^4 - 4/4) + 4^4) + 4 \\
&:= 5^5 + (((5^5 - 55) + 5^5)/5) - 5 \\
&:= 66 \times 66 + (6 \times 6/(6 + 6)) \\
&:= 7 \times 7 + ((77 \times (7 \times 7 + 7)) - ((7 + 7)/7)) \\
&:= 8 + ((8 \times 8 \times 8 \times 8 - 8/8) + (8 + 8) \times (8 + 8)) \\
&:= ((9 - ((9 + 9 + 9)/9)) \times (9 \times 9 \times 9 - 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4360 &:= (1 + 1) \times ((1 + 1)^{11} + (11 \times (1 + 11))) \\
&:= 2 + ((2^{2+2+2} + 2)^2 + 2) \\
&:= 3 + (((3 + 3) \times (3^{3+3} - 3)) + 3/3) \\
&:= 4 + (((4 + 4)^4 + 4^4) + 4) \\
&:= 5 + (((5 \times (5 \times 5 \times (5 + 5) - 5)) + 5^5) + 5) \\
&:= 6 + (66 \times 66 - ((6 + 6)/6)) \\
&:= 7 \times 7 + ((77 \times (7 \times 7 + 7)) - 7/7) \\
&:= 8 + (8 \times 8 \times 8 \times 8 + (8 + 8) \times (8 + 8)) \\
&:= (9 - 9/9) \times ((99 \times 99 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4361 &:= 1 + ((1 + 1) \times ((1 + 1)^{11} + (11 \times (1 + 11)))) \\
&:= 2 + (((2^{2+2+2} + 2)^2 + 2/2) + 2) \\
&:= 3 + (((3 + 3) \times (3^{3+3} - 3)) - 3/3) + 3 \\
&:= 4 + (((4 + 4)^4 + 4/4) + 4^4) + 4 \\
&:= 5 + ((55/5 + 55)^{(5+5)/5}) \\
&:= 6 + (66 \times 66 - 6/6) \\
&:= 7 \times ((7 \times 77 + 77) + 7) \\
&:= (8 - 8/8) \times (888/8 + 8 \times 8 \times 8) \\
&:= 9 + ((9 - 9/9) \times (99 \times 99 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4362 &:= (1 + 1) \times (1 + ((1 + 1)^{11} + (11 \times (1 + 11)))) \\
&:= 2 + (((2^{2+2+2} + 2)^2 + 2) + 2) \\
&:= 3 + (((3 + 3) \times (3^{3+3} - 3)) + 3) \\
&:= 4^4 + ((44 - 4)/4 + (4 + 4)^4) \\
&:= 5 + (((55/5 + 55)^{(5+5)/5}) + 5/5) \\
&:= 6 + 66 \times 66 \\
&:= 7/7 + ((77 \times (7 \times 7 + 7)) + 7 \times 7) \\
&:= 8 + (((8/8 + 8 \times 8) \times (((8 + 8)/8) + 8 \times 8)) + 8 \times 8) \\
&:= 9 \times (9 + 9) \times (9 + 9 + 9) - (99 + 9)/9
\end{aligned}$$

- ▶ 4363 := $1 + ((1 + 1) \times (1 + ((1 + 1)^{11} + (11 \times (1 + 11)))))$
:= $(2 \times 2222) - (2/2 + 2)^{2+2}$
:= $((3 + 3) \times 3^{3+3}) - 33/3$
:= $4^4 + (44/4 + (4 + 4)^4)$
:= $((5 + 5)/5 + 5) \times (5^5 - 5)/5 - 5$
:= $6 + (66 \times 66 + 6/6)$
:= $7 + ((77 - 77/7)^{(7+7)/7})$
:= $8 + ((8/8 + 8 \times 8) \times ((88/8 - 8) + 8 \times 8))$
:= $9 \times (9 + 9) \times (9 + 9 + 9) - 99/9$
- ▶ 4364 := $((11 - 1 - 1) \times (1 + ((11 + 11)^{1+1}))) - 1$
:= $2 \times (2222 + (2 \times (2 - 22)))$
:= $((3 - 33)/3) + ((3 + 3) \times 3^{3+3})$
:= $4 + (((4 + 4)^4 + 4^4) + 4) + 4$
:= $5^5 + (((5^5 - 55) + 5^5)/5)$
:= $6 + (66 \times 66 + ((6 + 6)/6))$
:= $7 + (((77 - 77/7)^{(7+7)/7}) + 7/7)$
:= $8 + (((8 + 8)/8) + 8 \times 8)^{(8+8)/8}$
:= $9 \times (9 + 9) \times (9 + 9 + 9) - 9/9 - 9$
- ▶ 4365 := $(11 - 1 - 1) \times (1 + ((11 + 11)^{1+1}))$
:= $(2/2 + 2)^2 \times (22^2 + 2/2)$
:= $((3 + 3) \times 3^{3+3}) - 3 \times 3$
:= $((4 \times 4 + 4/4) \times (4/4 + 4^4)) - 4$
:= $5^5 + (5 \times ((5 - (5 + 5)/5)^5) + 5)$
:= $6 + (66 \times 66 + (6 \times 6/(6 + 6)))$
:= $7 \times 7 + (((77 \times (7 \times 7 + 7)) - 7) + (77/7))$
:= $8 + (((8 + 8)/8) + 8 \times 8)^{(8+8)/8} + 8/8$
:= $9 \times (9 + 9) \times (9 + 9 + 9) - 9$
- ▶ 4366 := $1 + ((11 - 1 - 1) \times (1 + ((11 + 11)^{1+1})))$
:= $2 + ((2^{2+2+2} + 2)^2 + 2 \times (2 + 2))$
:= $3 + (((3 + 3) \times 3^{3+3}) - 33/3)$
:= $4 + (((44 - 4)/4 + (4 + 4)^4) + 4^4)$
:= $5 + (((55/5 + 55)^{(5+5)/5}) + 5)$
:= $((66 - 6)/6) + 66 \times 66$
:= $((7/7 + 7) \times (7 \times 77 + 7)) - (7 + 7)/7$
:= $((8 + 8)/8) \times ((88/8 - 8)^{8-8/8}) - 8$
:= $9/9 + (9 \times (9 + 9) \times (9 + 9 + 9) - 9)$
- ▶ 4367 := $11 + (((1 + 1) \times (11 \times (1 + 1 + 1))))^{1+1}$
:= $22/2 + (2^{2+2+2} + 2)^2$
:= $33/3 + ((3 + 3) \times (3^{3+3} - 3))$
:= $4 + ((44/4 + (4 + 4)^4) + 4^4)$
:= $5^5 + ((5 + 5)/5 \times ((5^5 + 5)/5 - 5))$
:= $66/6 + 66 \times 66$
:= $((7/7 + 7) \times (7 \times 77 + 7)) - 7/7$
:= $88/8 + (((8 + 8)/8) + 8 \times 8)^{(8+8)/8}$
:= $(9 + 9)/9 + (9 \times (9 + 9) \times (9 + 9 + 9) - 9)$
- ▶ 4368 := $(1 + 1 + 1) \times ((1 + 1 + 11) \times (1 + 111))$
:= $2 \times ((2222 + (2 \times (2 - 22))) + 2)$
:= $(3 + 3) \times (3^{3+3} - 3/3)$
:= $4 \times ((4 \times (4 \times 4 + 4^4)) + 4)$
:= $((5 + 5)/5 + 5) \times (5^5 - 5)/5$
:= $6 + (66 \times 66 + 6)$
:= $(7/7 + 7) \times (7 \times 77 + 7)$
:= $(8 \times 8 - 8) \times ((8 - 88)/8 + 88)$
:= $(9 - ((9 + 9 + 9)/9)) \times (9 \times 9 \times 9 - 9/9)$
- ▶ 4369 := $1 + ((1 + 1 + 1) \times ((1 + 1 + 11) \times (1 + 111)))$
:= $2 + ((2^{2+2+2} + 2)^2 + 22/2)$
:= $3/3 + ((3 + 3) \times (3^{3+3} - 3/3))$
:= $(4 \times 4 + 4/4) \times (4/4 + 4^4)$
:= $5^5 + (((5^5 - 5 + 5^5)/5) - 5)$
:= $6 + ((66 \times 66 + 6/6) + 6)$
:= $7/7 + ((7/7 + 7) \times (7 \times 77 + 7))$
:= $(8/8 + 8 + 8) \times ((8 + 8) \times (8 + 8) + 8/8)$
:= $9 + ((9 - 9/9) \times ((99 \times 99 + 9)/(9 + 9)))$
- ▶ 4370 := $(1 + 1) \times (((1 + 1 + 11)^{1+1+1}) - (1 + 11))$
:= $2 \times (((2/2 + 2)^{2/2+2+2+2}) - 2)$
:= $((3 + 3) \times 3^{3+3}) - (3/3 + 3)$
:= $4 \times 4 + (((4 + 4)^4 + (4 + 4)/4) + 4^4)$
:= $5^5 + (5 \times 5 \times 5 \times (5 + 5) - 5)$
:= $6 + ((66 \times 66 + ((6 + 6)/6)) + 6)$
:= $7 + (((77 - 77/7)^{(7+7)/7}) + 7)$
:= $((8 + 8)/8 + 8) \times (8 \times (8 \times 8 - 8) - (88/8))$
:= $(9/9 + 9) \times (((9 \times 9 \times 99 + 9)/(9 + 9)) - 9)$
- ▶ 4371 := $(1 + 1 + 1) \times (1 + ((1 + 1 + 11) \times (1 + 111)))$
:= $2 + (((2^{2+2+2} + 2)^2 + 22/2) + 2)$
:= $((3 + 3) \times 3^{3+3}) - 3$
:= $((4 - 4/4) + 4) \times (4/4 + 4^4) - 4$
:= $5^5 + (((5^5 + 5^5 + 5)/5) - 5)$
:= $6 + ((66 \times 66 + (6 \times 6/(6 + 6))) + 6)$
:= $77 + ((77 \times (7 \times 7 + 7)) - (77/7 + 7))$
:= $8 + (((8/8 + 8 \times 8) \times ((88/8 - 8) + 8 \times 8)) + 8)$
:= $((9 + 9 + 9)/9) \times (9 \times 9 \times (9 + 9) - 9/9)$
- ▶ 4372 := $(1 + 1) \times (((1 + 1 + 11)^{1+1+1}) - 11)$
:= $2 \times (2222 - (2 + 2 + 2)^2)$
:= $3/3 + (((3 + 3) \times 3^{3+3}) - 3)$
:= $4 + (((4 + 4)^4 + 4 \times 4) + 4^4)$
:= $5^5 + (((5 + 5)/5 \times (5^5 + 5)/5) - 5)$
:= $6 + (((66 - 6)/6) + 66 \times 66)$
:= $7 \times 7 + ((77 \times (7 \times 7 + 7)) + (77/7))$
:= $8 + (((8 + 8)/8) + 8 \times 8)^{(8+8)/8} + 8$
:= $9 \times (9 + 9) \times (9 + 9 + 9) - (9 + 9)/9$
- ▶ 4373 := $1 + ((1 + 1) \times (((1 + 1 + 11)^{1+1+1}) - 11))$
:= $((2/2 + 2)^2 \times (22^2 + 2)) - 2/2$
:= $((3 + 3) \times 3^{3+3}) - 3/3$
:= $4 + ((4 \times 4 + 4/4) \times (4/4 + 4^4))$
:= $5 + (((5 + 5)/5 + 5) \times (5^5 - 5)/5)$
:= $6 + (66 \times 66 + (66/6))$
:= $((7 + 7)/7) \times ((7 + 7 + 7)/7)^7 - 7/7$
:= $8 + (((8 + 8)/8) + 8 \times 8)^{(8+8)/8} + 8/8 + 8$
:= $9 \times (9 + 9) \times (9 + 9 + 9) - 9/9$
- ▶ 4374 := $(1 + 1) \times ((1 + 1 + 1)^{1+(1+1) \times (1+1+1)})$
:= $(2/2 + 2)^2 \times (22^2 + 2)$
:= $(3 + 3) \times 3^{3+3}$
:= $4^4 + ((44/((4 + 4)/4)) + (4 + 4)^4)$
:= $5^5 + ((5^5 - 5 + 5^5)/5)$
:= $6 \times ((6 \times 6/(6 + 6))^6)$
:= $((7 + 7)/7) \times ((7 + 7 + 7)/7)^7$
:= $((8 + 8)/8) \times ((88/8 - 8)^{8-8/8})$
:= $9 \times (9 + 9) \times (9 + 9 + 9)$
- ▶ 4375 := $1 + ((1 + 1) \times ((1 + 1 + 1)^{1+(1+1) \times (1+1+1)}))$
:= $2/2 + ((2/2 + 2)^2 \times (22^2 + 2))$
:= $3/3 + ((3 + 3) \times 3^{3+3})$
:= $((4 - 4/4) + 4) \times (4/4 + 4^4)$
:= $5 \times (5 \times (5 \times ((5 \times 5 + 5) + 5)))$
:= $6/6 + (6 \times ((6 \times 6/(6 + 6))^6))$
:= $7 + ((7/7 + 7) \times (7 \times 77 + 7))$
:= $88 + (8 \times (8 \times 8 \times 8 + 8 + 8 + 8) - 8/8)$
:= $9/9 + 9 \times (9 + 9) \times (9 + 9 + 9)$
- ▶ 4376 := $(1 + 1) \times (1 + ((1 + 1 + 1)^{1+(1+1) \times (1+1+1)}))$
:= $2 + ((2/2 + 2)^2 \times (22^2 + 2))$
:= $3 + (((3 + 3) \times 3^{3+3}) - 3/3)$
:= $4444 - (4 \times 4 \times 4 + 4)$
:= $5^5 + ((5^5 + 5^5 + 5)/5)$
:= $(6 + 6)/6 + (6 \times ((6 \times 6/(6 + 6))^6))$
:= $(7/7 + 7) \times ((7 \times 77 + 7/7) + 7)$
:= $8 \times ((8888 - 8)/(8 + 8) - 8)$
:= $(9 + 9)/9 + 9 \times (9 + 9) \times (9 + 9 + 9)$
- ▶ 4377 := $(11 \times (((1 + 1) \times (11 - 1))^{1+1} - (1 + 1))) - 1$
:= $((22 \times ((22 - 2)^2 - 2)) - 2)/2$
:= $3 + ((3 + 3) \times 3^{3+3})$
:= $((4 - 4^4)/4) + (4444 - 4)$
:= $5^5 + ((5 + 5)/5 \times (5^5 + 5)/5)$
:= $66 \times 66 + ((6 \times 6 + 6)/((6 + 6)/6))$
:= $(7 \times (777 + 7)) - 7777/7$
:= $8 + ((8/8 + 8 + 8) \times ((8 + 8) \times (8 + 8) + 8/8))$
:= $((9 + 9 + 9)/9) + 9 \times (9 + 9) \times (9 + 9 + 9)$

$$\begin{aligned}
\blacktriangleright 4378 &:= 11 \times (((1+1) \times (11-1))^{1+1} - (1+1)) \\
&:= 22 + (2^{2+2+2} + 2)^2 \\
&:= 3 + (((3+3) \times 3^{3+3}) + 3/3) \\
&:= 4444 - ((4^4 + 4 + 4)/4) \\
&:= 5 + (((5+5)/5 + 5) \times (5^5 - 5)/5) + 5 \\
&:= 66/6 \times (((6+6)/6) + 6 \times 66) \\
&:= 77 + ((77 \times (7 \times 7 + 7)) - (77/7)) \\
&:= 88 + ((8/8 + 8 \times 8) \times (((8+8)/8) + 8 \times 8)) \\
&:= ((9+9)/9) \times (9 \times 9 \times (9+9+9) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4379 &:= 1 + (11 \times (((1+1) \times (11-1))^{1+1} - (1+1))) \\
&:= ((22 \times ((22-2)^2 - 2)) + 2)/2 \\
&:= 3 + (((3+3) \times 3^{3+3}) - 3/3) + 3 \\
&:= 4444 - (4^4 + 4)/4 \\
&:= 5 + (((5^5 - 5 + 5^5)/5) + 5^5) \\
&:= 6 + ((66 \times 66 + (66/6)) + 6) \\
&:= 77/7 + ((7/7 + 7) \times (7 \times 77 + 7)) \\
&:= (8888/((8+8)/8)) - (8/8 + 8 \times 8) \\
&:= ((9 \times 9 + 9)/(9+9)) + 9 \times (9+9) \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4380 &:= (1+1) \times ((11-1) \times (((1+1) \times (111-1)) - 1)) \\
&:= 2 + ((2^{2+2+2} + 2)^2 + 22) \\
&:= 3 + (((3+3) \times 3^{3+3}) + 3) \\
&:= 4444 - 4 \times 4 \times 4 \\
&:= 5 + (5 \times 5 \times 5 \times (5+5) + 5^5) \\
&:= 6 + (6 \times ((6 \times 6/(6+6))^6)) \\
&:= 7 + (((7+7)/7) \times ((7+7+7)/7)^7) - 7/7 \\
&:= (8888/((8+8)/8)) - 8 \times 8 \\
&:= (9 - ((9+9+9)/9)) \times (9 \times 9 \times 9 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4381 &:= (1+1+11) \times (1 + ((1+1+1) \times (1+111))) \\
&:= 2 + (((22 \times ((22-2)^2 - 2)) + 2)/2) \\
&:= 3 + (((3+3) \times 3^{3+3}) + 3/3) + 3 \\
&:= ((4 - 4^4)/4) + 4444 \\
&:= 5 + (((5^5 + 5^5 + 5)/5) + 5^5) \\
&:= 6 + ((6 \times ((6 \times 6/(6+6))^6)) + 6/6) \\
&:= 7 + (((7+7)/7) \times ((7+7+7)/7)^7) \\
&:= 8/8 + ((8888/((8+8)/8)) - 8 \times 8) \\
&:= 9 + (9 \times (9+9) \times (9+9+9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4382 &:= (1+1) \times ((1+1)^{11} + (11 \times (1+1+11))) \\
&:= 2 + (((2^{2+2+2} + 2)^2 + 22) + 2) \\
&:= 3 \times 3 + (((3+3) \times 3^{3+3}) - 3/3) \\
&:= 4444 + (((4 - 4^4) + 4)/4) \\
&:= ((5+5)/5 + 5) \times (5^5 + 5)/5 \\
&:= 6 + ((6 \times ((6 \times 6/(6+6))^6)) + ((6+6)/6)) \\
&:= 77 + ((77 \times (7 \times 7 + 7)) - 7) \\
&:= 8 + (((8+8)/8) \times ((88/8 - 8)^{8-8/8})) \\
&:= 9 + (9 \times (9+9) \times (9+9+9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4383 &:= ((1+1) \times ((1+1+11)^{1+1+1})) - 11 \\
&:= (2/2 + 2)^2 \times ((22^2 + 2/2) + 2) \\
&:= 3 \times 3 + ((3+3) \times 3^{3+3}) \\
&:= 4 + (4444 - (4^4 + 4)/4) \\
&:= 5^5 + ((5+5)/5 \times ((5^5 - 5)/5 + 5)) \\
&:= 66 \times 66 + ((66 \times 6/(6+6)) - 6) \\
&:= 7 + ((7/7 + 7) \times ((7 \times 77 + 7/7) + 7)) \\
&:= (8/8 + 8) \times (8 \times 8 \times 8 - (8/8 + 8 + 8 + 8)) \\
&:= 9 + 9 \times (9+9) \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4384 &:= (1+1) \times ((1+1)^{11} + (1+11)^{1+1}) \\
&:= 2 \times ((2 \times 22)^2 + 2^{2 \times (2+2)}) \\
&:= 3 \times 3 + (((3+3) \times 3^{3+3}) + 3/3) \\
&:= 4 + (4444 - 4 \times 4 \times 4) \\
&:= (55/5 + 5) \times (5 \times 55 - 5/5) \\
&:= 6 + (((66 + 66)/6) + 66 \times 66) \\
&:= (7/7 + 7) \times ((7 \times 77 + ((7+7)/7)) + 7) \\
&:= 8 \times (88 \times 88/(8+8) + 8 \times 8) \\
&:= 9 + (9 \times (9+9) \times (9+9+9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4385 &:= 1 + ((1+1) \times ((1+1)^{11} + (1+11)^{1+1})) \\
&:= 2 + ((2/2 + 2)^2 \times ((22^2 + 2/2) + 2)) \\
&:= 33/3 + ((3+3) \times 3^{3+3}) \\
&:= 4 + (((4 - 4^4)/4) + 4444) \\
&:= 5 + ((5 \times 5 \times 5 \times (5+5) + 5^5) + 5) \\
&:= 6 \times 6 + (66 \times 66 - (6/6 + 6)) \\
&:= 7 + (((77 \times (7 \times 7 + 7)) - (77/7)) + 77) \\
&:= 8/8 + (8 \times (88 \times 88/(8+8) + 8 \times 8)) \\
&:= 99/9 + 9 \times (9+9) \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4386 &:= (1+1) \times (1 + ((1+1)^{11} + (1+11)^{1+1})) \\
&:= (2 \times ((2 \times (22+2))^2) - 222) \\
&:= 3 + (((3+3) \times 3^{3+3}) + 3 \times 3) \\
&:= (4 \times 4 + 4/4) \times ((4+4)/4 + 4^4) \\
&:= 5^5 + (((55 + 5^5) + 5^5)/5) \\
&:= 6 \times 6 + (66 \times 66 - 6) \\
&:= 7 + (((7/7 + 7) \times (7 \times 77 + 7)) + (77/7)) \\
&:= (8/8 + 8 + 8) \times ((8+8) \times (8+8) + ((8+8)/8)) \\
&:= (99+9)/9 + 9 \times (9+9) \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4387 &:= (11 \times (((1+1) \times (11-1))^{1+1} - 1)) - 1 - 1 \\
&:= (22/2 \times ((22-2)^2 - 2/2)) - 2 \\
&:= 3 + (((3+3) \times 3^{3+3}) + 3 \times 3) + 3/3 \\
&:= 4 + (4444 - (4^4 + 4)/4) + 4 \\
&:= 5 + (((5+5)/5 + 5) \times (5^5 + 5)/5) \\
&:= 6 \times 6 + ((66 \times 66 - 6) + 6/6) \\
&:= 77 + ((77 \times (7 \times 7 + 7)) - ((7+7)/7)) \\
&:= 8 + ((8888/((8+8)/8)) - (8/8 + 8 \times 8)) \\
&:= ((99+9+9)/9) + 9 \times (9+9) \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4388 &:= (11 \times (((1+1) \times (11-1))^{1+1} - 1)) - 1 \\
&:= 2 + ((2 \times ((2 \times (22+2))^2) - 222) \\
&:= 3 + (((3+3) \times 3^{3+3}) + 33/3) \\
&:= 4 + ((4444 - 4 \times 4 \times 4) + 4) \\
&:= 55 \times (5 \times 5 + 55) - (55 + 5)/5 \\
&:= 6 \times 6 + ((66 \times 66 - 6) + ((6+6)/6)) \\
&:= 77 + ((77 \times (7 \times 7 + 7)) - 7/7) \\
&:= 8 + ((8888/((8+8)/8)) - 8 \times 8) \\
&:= 9 + (9 \times (9+9) \times (9+9+9) + ((9 \times 9 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4389 &:= 11 \times (((1+1) \times (11-1))^{1+1} - 1) \\
&:= 22/2 \times ((22-2)^2 - 2/2) \\
&:= ((3+3) \times (3^{3+3} + 3)) - 3 \\
&:= 4444 - 44/4 - 44 \\
&:= ((5+5)/5 + 5) \times (5^5 + 5 + 5)/5 \\
&:= 66 \times 66 + (66 \times 6/(6+6)) \\
&:= 77 + (77 \times (7 \times 7 + 7)) \\
&:= (88/8 - 88) \times (8 - (8/8 + 8 \times 8)) \\
&:= 9 + ((9 - ((9+9+9)/9)) \times (9 \times 9 \times 9 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4390 &:= 1 + (11 \times (((1+1) \times (11-1))^{1+1} - 1)) \\
&:= 2 \times (((22/2 + 2)^{2/2+2} - 2) \\
&:= 3/3 + (((3+3) \times (3^{3+3} + 3)) - 3) \\
&:= 4 + ((4 \times 4 + 4/4) \times ((4+4)/4 + 4^4)) \\
&:= 55 \times (5 \times 5 + 55) - 5 - 5 \\
&:= 6 \times 6 + (66 \times 66 - ((6+6)/6)) \\
&:= 7/7 + ((77 \times (7 \times 7 + 7)) + 77) \\
&:= ((8+8)/8) \times (((88/8 - 8)^{8-8/8}) + 8) \\
&:= 9 + ((9 \times (9+9) \times (9+9+9) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4391 &:= ((1+1) \times (((1+1+11)^{1+1+1} - 1)) - 1) \\
&:= 2 + (22/2 \times ((22-2)^2 - 2/2)) \\
&:= ((3+3) \times (3^{3+3} + 3)) - 3/3 \\
&:= 4444 + ((44 - 4^4)/4) \\
&:= 5 + (((55 + 5^5) + 5^5)/5) + 5^5 \\
&:= 6 \times 6 + (66 \times 66 - 6/6) \\
&:= 77 + ((77 \times (7 \times 7 + 7)) + ((7+7)/7)) \\
&:= (8 \times 8 - 8) \times (88 - 8) - (8/8 + 88) \\
&:= 9 + ((9 \times (9+9) \times (9+9+9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4392 &:= (1+1) \times (((1+1+11)^{1+1+1} - 1) \\
&:= 2 \times (2222 - (22 + 2 + 2)) \\
&:= (3+3) \times (3^{3+3} + 3) \\
&:= 44 + (((4+4)^4 - 4) + 4^4) \\
&:= 5 + (((5+5)/5 + 5) \times (5^5 + 5)/5) + 5 \\
&:= 6 \times (666 + 66) \\
&:= (7/7 + 7) \times (((77 - 7)/7) + 7 \times 77) \\
&:= (8 \times 8 - 8) \times (88 - 8) - 88 \\
&:= 9 + (9 \times (9+9) \times (9+9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4393 &:= ((1+1) \times ((1+1+11)^{1+1+1})) - 1 \\
&:= (2 \times ((22/2+2)^{2/2+2})) - 2/2 \\
&:= 3/3 + ((3+3) \times (3^{3+3} + 3)) \\
&:= 4 + (4444 - (44/4 + 44)) \\
&:= 5 \times 5 + (((5+5)/5+5) \times (5^5 - 5)/5) \\
&:= 6 \times 6 + (66 \times 66 + 6/6) \\
&:= ((7/7+7) \times (7 \times 77 + (77/7))) - 7 \\
&:= 8/8 + ((8 \times 8 - 8) \times (88 - 8) - 88) \\
&:= 9 + ((9 \times (9+9) \times (9+9+9) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4394 &:= (1+1) \times ((1+1+11)^{1+1+1}) \\
&:= 2 \times ((22/2+2)^{2/2+2}) \\
&:= 3 + (((3+3) \times (3^{3+3} + 3)) - 3/3) \\
&:= 44 + (((4+4)^4 - (4+4)/4) + 4^4) \\
&:= 55 \times (5 \times 5 + 55) - (5/5 + 5) \\
&:= 6 \times 6 + (66 \times 66 + ((6+6)/6)) \\
&:= 7 + (((77 \times (7 \times 7 + 7)) - ((7+7)/7)) + 77) \\
&:= (8+8)/8 + ((8 \times 8 - 8) \times (88 - 8) - 88) \\
&:= 9 + (9 \times (9+9) \times (9+9+9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4395 &:= 1 + ((1+1) \times ((1+1+11)^{1+1+1})) \\
&:= 2/2 + (2 \times ((22/2+2)^{2/2+2})) \\
&:= 3 + ((3+3) \times (3^{3+3} + 3)) \\
&:= 44 + (((4+4)^4 - 4/4) + 4^4) \\
&:= 55 \times (5 \times 5 + 55) - 5 \\
&:= 6 + ((66 \times 6/(6+6)) + 66 \times 66) \\
&:= 7 + (((77 \times (7 \times 7 + 7)) - 7/7) + 77) \\
&:= ((8 - 88/8) + 8) \times (888 - 8/8 - 8) \\
&:= 9 + (9 \times (9+9) \times (9+9+9) + (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4396 &:= (1+1) \times (1 + ((1+1+11)^{1+1+1})) \\
&:= 2 \times (2222 - (22+2)) \\
&:= 3 + (((3+3) \times (3^{3+3} + 3)) + 3/3) \\
&:= 44 + ((4+4)^4 + 4^4) \\
&:= 5/5 + (55 \times (5 \times 5 + 55) - 5) \\
&:= 6 + ((66 \times 66 - ((6+6)/6)) + 6 \times 6) \\
&:= 7 + ((77 \times (7 \times 7 + 7)) + 77) \\
&:= (8888 - (88+8))/(8+8)/8) \\
&:= ((9+9)/9) \times (9 \times 9 \times (9+9+9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4397 &:= 1 + ((1+1) \times (1 + ((1+1+11)^{1+1+1}))) \\
&:= (22 \times (22 - 2)^2 - 2)/2 - 2 \\
&:= 3 + (((3+3) \times (3^{3+3} + 3)) - 3/3) + 3 \\
&:= 44 + (((4+4)^4 + 4/4) + 4^4) \\
&:= 5^5 + ((5+5)/5) \times ((55+5^5)/5) \\
&:= 6 + ((66 \times 66 - 6/6) + 6 \times 6) \\
&:= 7 + (((77 \times (7 \times 7 + 7)) + 77) + 7/7) \\
&:= 8 + ((88/8 - 88) \times (8 - (8/8 + 8 \times 8))) \\
&:= ((9 \times 999 + 9/9)/(9+9)/9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4398 &:= (1+1) \times (1 + (1 + ((1+1+11)^{1+1+1}))) \\
&:= 2 \times (2222 - 22) - 2 \\
&:= 3 + (((3+3) \times (3^{3+3} + 3)) + 3) \\
&:= 4444 - ((4+4)/4 + 44) \\
&:= 55 \times (5 \times 5 + 55) - (5+5)/5 \\
&:= 6 + (66 \times 66 + 6 \times 6) \\
&:= 7 + (((77 \times (7 \times 7 + 7)) + ((7+7)/7)) + 77) \\
&:= ((88 - 8) \times (8 \times 8 - (8/8 + 8))) - (8+8)/8 \\
&:= ((9+9+9)/9) \times ((9 \times 9 \times (9+9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4399 &:= (11 \times ((1+1) \times (11 - 1))^{1+1}) - 1 \\
&:= (22 \times (22 - 2)^2 - 2)/2 \\
&:= 3 + (((3+3) \times (3^{3+3} + 3)) + 3/3) + 3 \\
&:= 4444 - (44 + 4/4) \\
&:= 55 \times (5 \times 5 + 55) - 5/5 \\
&:= 6 + ((66 \times 66 + 6 \times 6) + 6/6) \\
&:= (7 \times ((7 \times (77 + 7 + 7)) - 7)) - 77/7 \\
&:= ((88 - 8) \times (8 \times 8 - (8/8 + 8))) - 8/8 \\
&:= ((9+9+9) \times (9 \times (9+9) + 9/9)) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4400 &:= 11 \times ((1+1) \times (11 - 1))^{1+1} \\
&:= 2 \times (2222 - 22) \\
&:= 3^3 + (((3+3) \times 3^{3+3}) - 3/3) \\
&:= 4444 - 44 \\
&:= 55 \times (5 \times 5 + 55) \\
&:= 6 + ((66 \times 66 + ((6+6)/6)) + 6 \times 6) \\
&:= (7/7 + 7) \times (7 \times 77 + (77/7)) \\
&:= (88 - 8) \times (8 \times 8 - (8/8 + 8)) \\
&:= (9/9 + 9) \times (((9+9)/9)^9) - 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4401 &:= 1 + (11 \times ((1+1) \times (11 - 1))^{1+1}) \\
&:= (22 \times (22 - 2)^2 + 2)/2 \\
&:= 3^3 + ((3+3) \times 3^{3+3}) \\
&:= 4/4 + (4444 - 44) \\
&:= 5/5 + 55 \times (5 \times 5 + 55) \\
&:= 666/6 + (66 \times (66 - 6/6)) \\
&:= ((7+7)/7 + 7) \times (7 \times (77 - 7) - 7/7) \\
&:= 8/8 + ((88 - 8) \times (8 \times 8 - (8/8 + 8))) \\
&:= (9+9+9) \times (9 \times (9+9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4402 &:= 1 + (1 + (11 \times ((1+1) \times (11 - 1))^{1+1})) \\
&:= 2 + 2 \times (2222 - 22) \\
&:= 3^3 + (((3+3) \times 3^{3+3}) + 3/3) \\
&:= (4+4)/4 + (4444 - 44) \\
&:= (5+5)/5 + 55 \times (5 \times 5 + 55) \\
&:= 6 \times 6 + (((66 - 6)/6) + 66 \times 66) \\
&:= ((7+7)/7) \times (((7+7+7)/7)^7 + 7) + 7) \\
&:= (8 \times 8 - ((8+8)/8)) \times ((8 \times 8 - 8/8) + 8) \\
&:= 9/9 + ((9+9+9) \times (9 \times (9+9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4403 &:= 1 + (1 + (1 + (11 \times ((1+1) \times (11 - 1))^{1+1}))) \\
&:= 2 + (22 \times (22 - 2)^2 + 2)/2 \\
&:= 33/3 + ((3+3) \times (3^{3+3} + 3)) \\
&:= 4 + 4444 - (44 + 4/4) \\
&:= ((5+5)/5 + 5) \times ((5^5 - 5)/5 + 5) \\
&:= 6 \times 6 + (66 \times 66 + (66/6)) \\
&:= (7 \times ((7 \times (77 + 7 + 7)) - 7)) - 7) \\
&:= (8 - 8/8) \times (8 \times (88 - 8) - (88/8)) \\
&:= 9 + ((9 \times (9+9) \times (9+9+9) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4404 &:= (1+1) \times ((1+1) \times (1 + (1111 - 11))) \\
&:= 2 \times (2222 - 22 + 2) \\
&:= 3 + (((3+3) \times 3^{3+3}) + 3^3) \\
&:= 4 + (4444 - 44) \\
&:= 5 + (55 \times (5 \times 5 + 55) - 5/5) \\
&:= 6 + ((66 \times 66 + 6 \times 6) + 6) \\
&:= 7/7 + ((7 \times ((7 \times (77 + 7 + 7)) - 7)) - 7) \\
&:= ((8888 - 88) + 8)/((8+8)/8) \\
&:= 999/9 + (9 \times ((9+9) \times (9+9+9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4405 &:= 11 + ((1+1) \times ((1+1+11)^{1+1+1})) \\
&:= 2 + 2 + (22 \times (22 - 2)^2 + 2)/2 \\
&:= 3 + (((3+3) \times 3^{3+3}) + 3^3) + 3/3) \\
&:= 4 + ((4444 - 44) + 4/4) \\
&:= 5 + 55 \times (5 \times 5 + 55) \\
&:= 6 + (((66 \times 66 + 6 \times 6) + 6/6) + 6) \\
&:= 7 \times 7 + ((77 - 77/7)^{7+7}/7) \\
&:= (8 \times (8 \times (88 - 8) - 88)) - 88/8 \\
&:= ((9 \times 9 + 9)/(9+9)) \times (9 \times 99 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4406 &:= 1 + (11 + ((1+1) \times ((1+1+11)^{1+1+1}))) \\
&:= 2 + (2 \times (2222 - 22 + 2)) \\
&:= 33 + (((3+3) \times 3^{3+3}) - 3/3) \\
&:= 4 + ((4444 - 44) + (4+4)/4) \\
&:= 5 + (55 \times (5 \times 5 + 55) + 5/5) \\
&:= 6 + (((66 \times 66 + ((6+6)/6)) + 6 \times 6) + 6) \\
&:= 7 + ((7 \times ((7 \times (77 + 7 + 7)) - 7)) - (77/7)) \\
&:= (8 - 88)/8 + (8 \times (8 \times (88 - 8) - 88)) \\
&:= 9 + (((9 \times 999 + 9/9)/(9+9)/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4407 &:= 11 + ((1+1) \times (1 + ((1+1+11)^{1+1+1}))) \\
&:= (((2 \times ((2 \times 22) + 2) + 2)^2) - 22)/2 \\
&:= 33 + ((3+3) \times 3^{3+3}) \\
&:= 4 + (4444 - (44 + 4/4) + 4) \\
&:= 5 + (55 \times (5 \times 5 + 55) + ((5+5)/5)) \\
&:= 6 + ((66 \times (66 - 6/6)) + 666/6) \\
&:= 7 + ((7/7 + 7) \times (7 \times 77 + (77/7))) \\
&:= (8 \times (8 \times (88 - 8) - 88)) - (8/8 + 8) \\
&:= ((9+9+9)/9) \times (9 \times 9 \times (9+9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4408 &:= (1+1) \times ((1+1) \times (1+(1+(1111-11)))) \\
&:= 2 \times ((2222-22+2)+2) \\
&:= 3/3 + (((3+3) \times 3^{3+3}) + 33) \\
&:= 4 + ((4444-44)+4) \\
&:= 5 + (((5+5)/5+5) \times ((5^5-5)/5+5)) \\
&:= ((6+6)/6)^6 + (66 \times 66 - 6 - 6) \\
&:= (7/7+7) \times ((77+7)/7+7 \times 77) \\
&:= (8 \times (8 \times (88-8) - 88)) - 8 \\
&:= (9-9/9) \times ((9999-9 \times 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4409 &:= ((11-1) \times ((11+(11-1))^{1+1})) - 1 \\
&:= (22/2 \times ((22-2)^2 + 2/2)) - 2 \\
&:= ((3+3) \times ((3^{3+3} + 3) + 3)) - 3/3 \\
&:= 4 + (((4444-44) + 4/4) + 4) \\
&:= 5 + ((55 \times (5 \times 5 + 55) - 5/5) + 5) \\
&:= (6 \times (((6 \times 6/(6+6))^6) + 6)) - 6/6 \\
&:= (7 \times ((7 \times (77+7+7)) - 7)) - 7/7 \\
&:= 8/8 + ((8 \times (8 \times (88-8) - 88)) - 8) \\
&:= 9 + ((9/9+9) \times (((9+9)/9)^9) - 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4410 &:= (11-1) \times ((11+(11-1))^{1+1}) \\
&:= (2 \times (2+2) + 2) \times ((22-2/2)^2) \\
&:= (3+3) \times ((3^{3+3} + 3) + 3) \\
&:= 4444 + ((44-4)/4 - 44) \\
&:= 5 + (55 \times (5 \times 5 + 55) + 5) \\
&:= 6 \times (((6 \times 6/(6+6))^6) + 6) \\
&:= 7 \times ((7 \times (77+7+7)) - 7) \\
&:= (8/8 - 8 \times 8) \times ((8+8)/8) - (8 \times 8 + 8) \\
&:= 9 + ((9+9+9) \times (9 \times (9+9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4411 &:= 11 \times (1 + ((1+1) \times (11-1))^{1+1}) \\
&:= 22/2 \times ((22-2)^2 + 2/2) \\
&:= 3/3 + ((3+3) \times ((3^{3+3} + 3) + 3)) \\
&:= 44/4 + (4444-44) \\
&:= 55/5 + 55 \times (5 \times 5 + 55) \\
&:= 66 + (66 \times 66 - (66/6)) \\
&:= 7/7 + (7 \times ((7 \times (77+7+7)) - 7)) \\
&:= 88/8 \times (8 \times 8 \times 8 - 888/8) \\
&:= 9 + (((9+9+9) \times (9 \times (9+9) + 9/9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4412 &:= 1 + (11 \times (1 + ((1+1) \times (11-1))^{1+1})) \\
&:= 2 \times (2222 - 2^{2+2}) \\
&:= 3 + (((3+3) \times ((3^{3+3} + 3) + 3)) - 3/3) \\
&:= 4444 - 4 \times (4+4) \\
&:= ((55+5)/5) + 55 \times (5 \times 5 + 55) \\
&:= 66 + (((6-66)/6) + 66 \times 66) \\
&:= (7+7)/7 + (7 \times ((7 \times (77+7+7)) - 7)) \\
&:= (8888 - 8 \times 8)/(8+8)/8 \\
&:= 99/9 + ((9+9+9) \times (9 \times (9+9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4413 &:= 1 + (1 + (11 \times (1 + ((1+1) \times (11-1))^{1+1}))) \\
&:= 2 + (22/2 \times ((22-2)^2 + 2/2)) \\
&:= 3 + ((3+3) \times ((3^{3+3} + 3) + 3)) \\
&:= 4/4 + (4444 - 4 \times (4+4)) \\
&:= 5 + (((5+5)/5+5) \times ((5^5-5)/5+5)) + 5 \\
&:= 66 + (((6-66) + 6)/6) + 66 \times 66 \\
&:= (7+7+7)/7 + (7 \times ((7 \times (77+7+7)) - 7)) \\
&:= 8 + ((8 \times (8 \times (88-8) - 88)) - (88/8)) \\
&:= 9 + ((9 \times ((9+9) \times (9+9+9) - 9)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4414 &:= (1+1) \times (11 + (((1+1+11))^{1+1+1}) - 1) \\
&:= 2 + (2 \times (2222 - 2^{2+2})) \\
&:= 3 + (((3+3) \times ((3^{3+3} + 3) + 3)) + 3/3) \\
&:= 4^4 + ((4^4 - 4 - 4)/4 + (4+4)^4) \\
&:= 5 + (((55 \times (5 \times 5 + 55) - 5/5) + 5) + 5) \\
&:= ((6+6)/6)^6 + (66 \times 66 - 6) \\
&:= 7 + (((7/7+7) \times (7 \times 77 + (77/7))) + 7) \\
&:= (8 \times (8 \times (88-8) - 88)) - (8+8)/8 \\
&:= ((9 \times (9 \times (99+9) + 9)) - 9/9)/(9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4415 &:= ((1+1) \times (11 + ((1+1+11))^{1+1+1})) - 1 \\
&:= (((((2 \times ((2 \times 22) + 2)) + 2)^2) - 2)/2) - 2 \\
&:= 3 + (((3+3) \times ((3^{3+3} + 3) + 3)) - 3/3) + 3) \\
&:= 4^4 + (((4^4 - 4)/4) + (4+4)^4) \\
&:= 5 + ((55 \times (5 \times 5 + 55) + 5) + 5) \\
&:= 66 + (66 \times 66 - (6/6+6)) \\
&:= 7 + ((7/7+7) \times ((77+7)/7 + 7 \times 77)) \\
&:= (8 \times (8 \times (88-8) - 88)) - 8/8 \\
&:= ((9 \times 9 + 9)/(9+9)) \times ((9 \times 99 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4416 &:= (1+1) \times (11 + ((1+1+11))^{1+1+1}) \\
&:= 2 \times (2222 - 2^{2+2}) + 2 \\
&:= 3 + (((3+3) \times ((3^{3+3} + 3) + 3)) + 3) \\
&:= 4 \times (4 \times ((4 \times 4 + 4^4) + 4)) \\
&:= 5^5 + (((5/5+5) - 5/5) - 5) \\
&:= 66 + (66 \times 66 - 6) \\
&:= 7 + ((7 \times ((7 \times (77+7+7)) - 7)) - 7/7) \\
&:= 8 \times (8 \times (88-8) - 88) \\
&:= (9 \times (((9+9)/9)^9) - 9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4417 &:= 1 + ((1+1) \times (11 + ((1+1+11))^{1+1+1})) \\
&:= (((((2 \times ((2 \times 22) + 2)) + 2)^2) - 2)/2) \\
&:= ((3+3) \times (3^{3+3} + 3 \times 3)) - 33/3 \\
&:= 4/4 + ((4 \times 4 \times (4^4 + 4)) + 4^4) \\
&:= ((5+5)/5+5) \times ((5^5+5)/5+5) \\
&:= 66 + ((66 \times 66 - 6) + 6/6) \\
&:= 7 + (7 \times ((7 \times (77+7+7)) - 7)) \\
&:= 8/8 + (8 \times (8 \times (88-8) - 88)) \\
&:= (9 - (9+9)/9) \times ((9 \times 9 \times 9 - 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4418 &:= (1+1) \times (((1+1) \times (1111-1)) - 11) \\
&:= 2 \times (((2 \times 22 + 2/2) + 2)^2) \\
&:= 3^3 + (((3+3) \times (3^{3+3} + 3)) - 3/3) \\
&:= 4^4 + (((4^4 + 4 + 4)/4) + (4+4)^4) \\
&:= 55 + (((5+5)/5+5) \times (5^5-5)/5-5) \\
&:= 66 + ((66 \times 66 - 6) + ((6+6)/6)) \\
&:= 7 + ((7 \times ((7 \times (77+7+7)) - 7)) + 7/7) \\
&:= (8+8)/8 + (8 \times (8 \times (88-8) - 88)) \\
&:= (9 \times (((9+9)/9)^9) - 9) - (9/9+99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4419 &:= 1 + ((1+1) \times (((1+1) \times (1111-1)) - 11)) \\
&:= (((((2 \times ((2 \times 22) + 2)) + 2)^2) + 2)/2) \\
&:= 3^3 + ((3+3) \times (3^{3+3} + 3)) \\
&:= ((4^4 + 4) \times (4 \times 4 + 4/4)) - 4/4 \\
&:= 5^5 + (((5-5/5)^5 - 5) + 5 \times 55) \\
&:= 66 + (66 \times 66 - (6 \times 6/(6+6))) \\
&:= ((7+7)/7+7) \times (7 \times (77-7) + 7/7) \\
&:= 8 + (88/8 \times (8 \times 8 \times 8 - 888/8)) \\
&:= 9 \times (((9 \times 999 + 9)/(9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4420 &:= (1+1) \times ((11-1) \times ((1+1) \times 111-1)) \\
&:= (2-22) \times (2/2-222) \\
&:= 3^3 + (((3+3) \times (3^{3+3} + 3)) + 3/3) \\
&:= (4^4 + 4) \times (4 \times 4 + 4/4) \\
&:= 5 \times 5 + (55 \times (5 \times 5 + 55) - 5) \\
&:= ((6+6)/6)^6 + 66 \times 66 \\
&:= ((77-7)/7) + (7 \times ((7 \times (77+7+7)) - 7)) \\
&:= 8 + ((8888 - 8 \times 8)/(8+8)/8) \\
&:= 9/9 + (9 \times (((9 \times 999 + 9)/(9+9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4421 &:= ((1+1) \times (((1+1) \times 1111) - 11)) - 1 \\
&:= (2 \times 2222) - 22 - 2/2 \\
&:= 33/3 + ((3+3) \times ((3^{3+3} + 3) + 3)) \\
&:= 4/4 + ((4^4 + 4) \times (4 \times 4 + 4/4)) \\
&:= 5^5 + (((5/5+5) - 5/5) - 5) \\
&:= 66 + (66 \times 66 - 6/6) \\
&:= 77/7 + (7 \times ((7 \times (77+7+7)) - 7)) \\
&:= (8/8+8) \times (8 \times 8 \times 8 - 888/8) - 88 \\
&:= 9 + (((9+9+9) \times (9 \times (9+9) + 9/9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4422 &:= (1+1) \times (((1+1) \times 1111) - 11) \\
&:= (2 \times 2222) - 22 \\
&:= 33 \times 33 + 3333 \\
&:= 4444 - (44/(4+4)/4) \\
&:= 5 + (((5+5)/5+5) \times ((5^5+5)/5+5)) \\
&:= 66 + 66 \times 66 \\
&:= (77 \times (7 \times 7 + 7)) + (777-7)/7 \\
&:= 8 + ((8 \times (8 \times (88-8) - 88)) - ((8+8)/8)) \\
&:= (9 - ((9+9+9)/9)) \times ((9 \times 9 \times 9 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4423 &:= 1 + ((1 + 1) \times (((1 + 1) \times 1111) - 11)) \\
&:= 2/2 + ((2 \times 2222) - 22) \\
&:= 3/3 + (33 \times 33 + 3333) \\
&:= 4444 - ((4 \times 4 + 4/4) + 4) \\
&:= 55 + (((5 + 5)/5 + 5) \times (5^5 - 5)/5) \\
&:= 66 + (66 \times 66 + 6/6) \\
&:= 777/7 + (77 \times (7 \times 7 + 7)) \\
&:= 8 + ((8 \times (8 \times (88 - 8) - 88)) - 8/8) \\
&:= 9 + (((9 \times (9 \times (99 + 9) + 9)) - 9/9)/(9 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4428 &:= (1 + 1) \times (1 + (((1 + 1) \times (1 + 1111)) - 11)) \\
&:= 2 \times (2222 - 2 \times (2 + 2)) \\
&:= (3 + 3) \times (3^{3+3} + 3 \times 3) \\
&:= 4444 - 4 \times 4 \\
&:= (5 - 5/5) \times ((5555 + 5)/5 - 5) \\
&:= 6 + (66 \times 66 + 66) \\
&:= 7 + ((7 \times ((7 \times (77 + 7 + 7)) - 7)) + (77/7)) \\
&:= (8888/((8 + 8)/8)) - 8 - 8 \\
&:= (9 \times (((9 + 9)/9)^9 - 9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4433 &:= ((1 + 1) \times ((1 + 1) \times 1111)) - 11 \\
&:= (2 \times 2222) - 22/2 \\
&:= 3 + (((3 + 3) \times (3^{3+3} + 3 \times 3)) - 3/3) + 3 \\
&:= 4444 - 44/4 \\
&:= 5 + ((5 - 5/5) \times ((5555 + 5)/5 - 5)) \\
&:= 66 + (66 \times 66 + (66/6)) \\
&:= 77 + ((77 - 77/7)^{(7+7)/7}) \\
&:= (8 \times (8 \times (8 \times 8 + 8) - 8)) - 888/8 \\
&:= 9 + ((9 - 9/9) \times ((99 \times 99 - 9)/(9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4424 &:= (1 + 1) \times (1 + (((1 + 1) \times 1111) - 11)) \\
&:= 2 + ((2 \times 2222) - 22) \\
&:= 33 + (((3 + 3) \times (3^{3+3} + 3)) - 3/3) \\
&:= 4444 - 4 \times 4 - 4 \\
&:= 5^5 + ((5 - 5/5)^5 + 5 \times 55) \\
&:= 66 + (66 \times 66 + ((6 + 6)/6)) \\
&:= (7/7 + 7) \times ((7 \times 77 + 7) + 7) \\
&:= 8 + (8 \times (8 \times (88 - 8) - 88)) \\
&:= (9 - 9/9) \times ((99 \times 99 - 9)/(9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4429 &:= ((1 + 1)^{1+11}) + (1 + 1 + 1) \times 111 \\
&:= (2 \times (2222 - 2)) - 22/2 \\
&:= 333 + (3/3 + 3)^{3+3} \\
&:= 4/4 + (4444 - 4 \times 4) \\
&:= 5 + (((5 - 5/5)^5 + 5 \times 55) + 5^5) \\
&:= 6 + ((66 \times 66 + 66) + 6/6) \\
&:= 7 + ((77 \times (7 \times 7 + 7)) + (777 - 7)/7) \\
&:= 8/8 + ((8888/((8 + 8)/8)) - (8 + 8)) \\
&:= 9/9 + ((9 \times (((9 + 9)/9)^9 - 9)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4434 &:= 1 + (((1 + 1) \times ((1 + 1) \times 1111)) - 11) \\
&:= (2 \times (2222 - (2 + 2))) - 2 \\
&:= 3 + (((3 + 3) \times (3^{3+3} + 3 \times 3)) + 3) \\
&:= (4 - 44)/4 + 4444 \\
&:= ((5 - 5/5) \times 5555/5) - 5 - 5 \\
&:= 6 + ((66 \times 66 + 66) + 6) \\
&:= (7 - 7/7) \times ((77/7 - 7 \times 7) + 777) \\
&:= (8 - 88)/8 + (8888/((8 + 8)/8)) \\
&:= (9 - ((9 + 9 + 9)/9)) \times ((9 \times 9 \times 9 + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4425 &:= 1 + ((1 + 1) \times (1 + (((1 + 1) \times 1111) - 11))) \\
&:= 2 + (((2 \times 2222) - 22) + 2/2) \\
&:= 33 + ((3 + 3) \times (3^{3+3} + 3)) \\
&:= 4/4 + (4444 - (4 \times 4 + 4)) \\
&:= 5 \times ((55 \times (55/5 + 5)) + 5) \\
&:= 66 + (66 \times 66 + (6 \times 6/(6 + 6))) \\
&:= 7/7 + ((7/7 + 7) \times ((7 \times 77 + 7) + 7)) \\
&:= 8 + ((8 \times (8 \times (88 - 8) - 88)) + 8/8) \\
&:= 9 + ((9 \times (((9 + 9)/9)^9 - 9)) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4430 &:= (11 - 1) \times (((1 + 1) \times (1 + 1) \times 111) - 1) \\
&:= 2 + (2 \times (2222 - 2 \times (2 + 2))) \\
&:= 3 + (((3 + 3) \times (3^{3+3} + 3 \times 3)) - 3/3) \\
&:= (4 + 4)/4 + (4444 - 4 \times 4) \\
&:= 5 + (((5 + 5) \times (5 \times 5 \times 5 + 5)) + 5^5) \\
&:= 6 + ((66 \times 66 + ((6 + 6)/6)) + 66) \\
&:= 7 + ((77 \times (7 \times 7 + 7)) + 777/7) \\
&:= ((8 - 88/8) + 8) \times (888 - ((8 + 8)/8)) \\
&:= (9 + 9)/9 + ((9 \times (((9 + 9)/9)^9 - 9)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4435 &:= ((1 + 1) \times (1 + ((1 + 1) \times 1111))) - 11 \\
&:= 2 + ((2 \times 2222) - 22/2) \\
&:= 3 + (((3/3 + 3)^{3+3} + 333) + 3) \\
&:= 4444 - (4/4 + 4 + 4) \\
&:= (555 \times ((5 - (5 + 5)/5) + 5)) - 5 \\
&:= 6 + (((66 \times 66 + 66) + 6/6) + 6) \\
&:= 77/7 + ((7/7 + 7) \times ((7 \times 77 + 7) + 7)) \\
&:= ((8 - 88/8) + 8) \times (888 - 8/8) \\
&:= (9 \times (((9 + 9)/9)^9 - (9 + 9))) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4426 &:= (1 + 1) \times (((1 + 1) \times (1 + 1111)) - 11) \\
&:= 2 \times (2222 + 2) - 22 \\
&:= 333 + ((3/3 + 3)^{3+3} - 3) \\
&:= 4444 - ((4 + 4)/4 + 4 \times 4) \\
&:= 5 + (((5/5 + 5)^{5-5/5}) + 5^5) \\
&:= 6 + (((6 + 6)/6)^6 + 66 \times 66) \\
&:= 7 + (((7 + 7)/7 + 7) \times (7 \times (77 - 7) + 7/7)) \\
&:= 8 + ((8 \times (8 \times (88 - 8) - 88)) + ((8 + 8)/8)) \\
&:= (9 \times (((9 + 9)/9)^9 - 9)) - ((9 + 9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4431 &:= ((1 + 1) \times (((1 + 1) \times 1111) - 1)) - 11 \\
&:= (2 \times 2222) - (22/2 + 2) \\
&:= 3 + ((3 + 3) \times (3^{3+3} + 3 \times 3)) \\
&:= 4 + (4444 - (4 \times 4 + 4/4)) \\
&:= 5 + (((5/5 + 5)^{5-5/5}) + 5^5) + 5 \\
&:= 666/6 + (6 \times (6 + 6) \times (66 - 6)) \\
&:= 7 + ((7/7 + 7) \times ((7 \times 77 + 7) + 7)) \\
&:= (8 - 8/8) \times ((8 \times (88 - 8) - 8) + 8/8) \\
&:= ((9 - 9/9) \times (9999 - 9)/(9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4436 &:= (1 + 1) \times ((1 + 1) \times (1111 - (1 + 1))) \\
&:= 2 \times (2222 - (2 + 2)) \\
&:= (3/3 + 3) \times (((3333 + 3)/3) - 3) \\
&:= 4444 - 4 - 4 \\
&:= (5 - 5/5) \times ((5555 - (5 + 5))/5) \\
&:= 6 + (((66 \times 66 + ((6 + 6)/6)) + 66) + 6) \\
&:= (77/7 - 7) \times ((7777 - 7 - 7)/7) \\
&:= (8888/((8 + 8)/8)) - 8 \\
&:= (9 \times (((9 + 9)/9)^9 - (9 + 9))) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4427 &:= 1 + ((1 + 1) \times (((1 + 1) \times (1 + 1111)) - 11)) \\
&:= 2/2 + (2 \times (2222 + 2) - 22) \\
&:= ((3 + 3) \times (3^{3+3} + 3 \times 3)) - 3/3 \\
&:= 4444 - (4 \times 4 + 4/4) \\
&:= 5 + (((5 + 5)/5 + 5) \times ((5^5 + 5)/5 + 5)) + 5 \\
&:= 6 + ((66 \times 66 - 6/6) + 66) \\
&:= 7 + ((7 \times ((7 \times (77 + 7 + 7)) - 7)) + ((77 - 7)/7)) \\
&:= 88/8 + (8 \times (8 \times (88 - 8) - 88)) \\
&:= (9 \times (((9 + 9)/9)^9 - 9)) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4432 &:= (1 + 1) \times ((1 + 1) \times (1111 - (1 + 1 + 1))) \\
&:= 2 \times (2222 - (2 + 2 + 2)) \\
&:= 3 + ((3/3 + 3)^{3+3} + 333) \\
&:= 4 + (4444 - 4 \times 4) \\
&:= ((5 + 5)/5)^5 + 55 \times (5 \times 5 + 55) \\
&:= 6 + (((6 + 6)/6)^6 + 66 \times 66) + 6 \\
&:= (7/7 + 7) \times (((7 \times 77 + 7/7) + 7) + 7) \\
&:= 8 + ((8 \times (8 \times (88 - 8) - 88)) + 8) \\
&:= (9 - 9/9) \times ((99 \times 99 + 9)/(9 + 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4437 &:= 1 + ((1 + 1) \times ((1 + 1) \times (1111 - (1 + 1)))) \\
&:= 2/2 + (2 \times (2222 - (2 + 2))) \\
&:= 3 \times (((3 + 3) \times (3 \times 3 \times 3^3 + 3)) + 3) \\
&:= 4 + (4444 - 44/4) \\
&:= 55 + (((5 + 5)/5 + 5) \times (5^5 + 5)/5) \\
&:= 6 + ((6 \times (6 + 6) \times (66 - 6)) + 666/6) \\
&:= ((77/7 - 7) \times 7777/7) - 7 \\
&:= 8/8 + ((8888/((8 + 8)/8)) - 8) \\
&:= (9 \times (((9 + 9)/9)^9 - (9 + 9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4438 &:= (1+1) \times (((1+1) \times (1111-1)) - 1) \\
&:= (2 \times (2222-2)) - 2 \\
&:= ((3/3+3)^3) + ((3+3) \times 3^{3+3}) \\
&:= 4444 - ((4+4)/4+4) \\
&:= ((5+5)/5+5) \times (((5^5-5)/5+5) + 5) \\
&:= ((6+6)/6)^6 + (6 \times ((6 \times 6/(6+6))^6)) \\
&:= 77 + ((77 \times (7 \times 7+7)) + 7 \times 7) \\
&:= (8+8)/8 + ((8888/((8+8)/8)) - 8) \\
&:= 9/9 + ((9 \times (((9+9)/9)^9) - (9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4439 &:= ((1+1) \times ((1+1) \times (1111-1))) - 1 \\
&:= (2 \times (2222-2)) - 2/2 \\
&:= 33/3 + ((3+3) \times (3^{3+3} + 3 \times 3)) \\
&:= 4444 - 4/4 - 4 \\
&:= ((5-5/5) \times 5555/5) - 5 \\
&:= 6 + ((66 \times 66 + (66/6)) + 66) \\
&:= 7 \times 7 \times 7 + ((7/7+7)^{7/7-7}) \\
&:= (8 \times (8888-8)/(8+8)) - 8/8 \\
&:= (9+9)/9 + ((9 \times (((9+9)/9)^9) - (9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4440 &:= (1+1) \times ((1+1) \times (1111-1)) \\
&:= 2 \times (2222-2) \\
&:= (3+3) \times (3^{3+3} + 33/3) \\
&:= 4444 - 4 \\
&:= 555 \times ((5 - (5+5)/5) + 5) \\
&:= 66 + (6 \times ((6 \times 6/(6+6))^6)) \\
&:= ((7+7)/7)^7 + (77 \times (7 \times 7+7)) \\
&:= 8 \times (8888-8)/(8+8) \\
&:= (9-9/9) \times (9999-9)/(9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4441 &:= 1 + ((1+1) \times ((1+1) \times (1111-1))) \\
&:= 2/2 + (2 \times (2222-2)) \\
&:= ((3/3+3) \times 3333/3) - 3 \\
&:= 4/4 + (4444-4) \\
&:= 5/5 + (555 \times ((5 - (5+5)/5) + 5)) \\
&:= 66 + ((6 \times ((6 \times 6/(6+6))^6)) + 6/6) \\
&:= (7 \times (7 \times (77+7+7))) - (77/7+7) \\
&:= 8/8 + (8 \times (8888-8)/(8+8)) \\
&:= ((9/9+9) \times ((9 \times 9 \times 99-9)/(9+9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4442 &:= (1+1) \times (((1+1) \times 1111) - 1) \\
&:= (2 \times 2222) - 2 \\
&:= 3 + (((3+3) \times (3^{3+3} + 3 \times 3)) + 33/3) \\
&:= 4444 - (4+4)/4 \\
&:= 5 + (((5+5)/5+5) \times ((5^5+5)/5) + 55) \\
&:= 66 + ((6 \times ((6 \times 6/(6+6))^6)) + ((6+6)/6)) \\
&:= ((7-77)/7) + ((7 \times (7 \times (77+7+7))) - 7) \\
&:= (8888/((8+8)/8)) - (8+8)/8 \\
&:= ((9-9 \times 9)/(9+9)) + (9 \times (((9+9)/9)^9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4443 &:= ((1+1) \times ((1+1) \times 1111)) - 1 \\
&:= (2 \times 2222) - 2/2 \\
&:= 3 + ((3+3) \times (3^{3+3} + 33/3)) \\
&:= 4444 - 4/4 \\
&:= 555 + ((5/5+5)^5/(5+5)/5) \\
&:= (6^{6-6/6}) - 6666 \times 6/(6+6) \\
&:= (7 \times (7 \times (77+7+7))) - (((7+7)/7+7) + 7) \\
&:= (8888/((8+8)/8)) - 8/8 \\
&:= (9 \times (((9+9)/9)^9) - (9+9)) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4444 &:= (1+1) \times ((1+1) \times 1111) \\
&:= 2 \times 2222 \\
&:= (3/3+3) \times 3333/3 \\
&:= 4444 \\
&:= (5-5/5) \times 5555/5 \\
&:= (6 - ((6+6)/6)) \times (6666/6) \\
&:= (77/7-7) \times 7777/7 \\
&:= 8888/((8+8)/8) \\
&:= 99/9 \times (((9+9)/9)^9) - (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4445 &:= 1 + ((1+1) \times ((1+1) \times 1111)) \\
&:= 2/2 + (2 \times 2222) \\
&:= 3/3 + ((3/3+3) \times 3333/3) \\
&:= 4/4 + 4444 \\
&:= 5^5 + (55 \times (5 \times 5 - 5/5)) \\
&:= 66666/6 - 6666 \\
&:= (7 \times (7 \times (77+7+7))) - (7+7) \\
&:= 8/8 + (8888/((8+8)/8)) \\
&:= (9 \times (((9+9)/9)^9) - (9+9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4446 &:= (1+1) \times (1 + ((1+1) \times 1111)) \\
&:= 2 + (2 \times 2222) \\
&:= (3+3) \times ((3^{3+3} + 3 \times 3) + 3) \\
&:= (4+4)/4 + 4444 \\
&:= 5 \times 5 + (((5/5+5)^{5-5/5}) + 5^5) \\
&:= 6 \times (((6 \times 6/(6+6))^6) + 6) + 6 \\
&:= (7-7/7+7) \times (7 \times 7 \times 7-7/7) \\
&:= (8+8)/8 + (8888/((8+8)/8)) \\
&:= 9 \times (((9+9)/9)^9) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4447 &:= 1 + ((1+1) \times (1 + ((1+1) \times 1111))) \\
&:= 2 + ((2 \times 2222) + 2/2) \\
&:= 3 + ((3/3+3) \times 3333/3) \\
&:= 4 + (4444 - 4/4) \\
&:= (((5+5)/5+5) \times ((55+5^5)/5)) - 5 \\
&:= 6/6 + (6 \times (((6 \times 6/(6+6))^6) + 6) + 6) \\
&:= 7 + ((77 \times (7 \times 7+7)) + ((7+7)/7)^7) \\
&:= (8 \times (8888+8)/(8+8)) - 8/8 \\
&:= 9/9 + (9 \times (((9+9)/9)^9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4448 &:= (1+1) \times ((1+1) \times (1+1111)) \\
&:= 2 \times (2222+2) \\
&:= (3/3+3) \times ((3333+3)/3) \\
&:= 4+4444 \\
&:= (5-5/5) \times (5555+5)/5 \\
&:= (6 - ((6+6)/6)) \times (6666+6)/6 \\
&:= (7 \times (7 \times (77+7+7))) - 77/7 \\
&:= 8 \times ((8888+8)/(8+8)) \\
&:= (9+9)/9 + (9 \times (((9+9)/9)^9) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4449 &:= 1 + ((1+1) \times ((1+1) \times (1+1111))) \\
&:= 2/2 + 2 \times (2222+2) \\
&:= 3 + ((3+3) \times ((3^{3+3} + 3 \times 3) + 3)) \\
&:= 4 + (4444 + 4/4) \\
&:= 5 + ((5-5/5) \times 5555/5) \\
&:= 666/6 + (6 \times (((6 \times 6/(6+6))^6) - 6)) \\
&:= ((7-77)/7) + (7 \times (7 \times (77+7+7))) \\
&:= 8/8 + (8 \times ((8888+8)/(8+8))) \\
&:= 9 + ((9-9/9) \times (9999-9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4450 &:= (1+1) \times (1 + ((1+1) \times (1+1111))) \\
&:= 2 + 2 \times (2222+2) \\
&:= 3 + (((3/3+3) \times 3333/3) + 3) \\
&:= 4 + (4444 + (4+4)/4) \\
&:= 5^5 + (5 \times (5 \times 55 - (5+5))) \\
&:= 6 + ((6 - ((6+6)/6)) \times (6666/6)) \\
&:= (7/7 + 7 \times 7) \times ((77+7)/7+77) \\
&:= 8 + ((8888/((8+8)/8)) - ((8+8)/8)) \\
&:= (9/9+9) \times ((9 \times 9 \times 99-9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4451 &:= 1 + ((1+1) \times (1 + ((1+1) \times (1+1111)))) \\
&:= 2 + (2 \times (2222+2) + 2/2) \\
&:= 3 + ((3/3+3) \times ((3333+3)/3)) \\
&:= 4 + ((4444 - 4/4) + 4) \\
&:= 5^5 + ((5 \times (5 \times 55 - (5+5))) + 5/5) \\
&:= 6 + (66666/6 - 6666) \\
&:= (7 \times (7 \times (77+7+7))) - (7/7+7) \\
&:= 8 + ((8888/((8+8)/8)) - 8/8) \\
&:= (((9 \times (999-9)) - 9) + 9/9)/(9+9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4452 &:= (1+1) \times ((1+1) \times (1 + (1+1111))) \\
&:= 2 \times (2222+2+2) \\
&:= (3^3 \times ((3+3) \times 3^3 + 3)) - 3 \\
&:= 4 + (4444+4) \\
&:= ((5+5)/5+5) \times ((55+5^5)/5) \\
&:= 6 + (6 \times (((6 \times 6/(6+6))^6) + 6) + 6) \\
&:= (7 \times (7 \times (77+7+7))) - 7 \\
&:= 8 + (8888/((8+8)/8)) \\
&:= (9 \times ((9+9) \times (9+9+9) + 9)) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4453 &:= 1 + ((1 + 1) \times ((1 + 1) \times (1 + (1 + 1111)))) \\
&:= 2/2 + (2 \times (2222 + 2 + 2)) \\
&:= 3 \times 3 + ((3/3 + 3) \times 3333/3) \\
&:= 4 + ((4444 + 4/4) + 4) \\
&:= 5 + ((5 - 5/5) \times (5555 + 5)/5) \\
&:= ((66 + 6/6)^{(6+6)/6}) - 6 \times 6 \\
&:= 7/7 + ((7 \times (7 \times (77 + 7 + 7))) - 7) \\
&:= 8 + ((8888/(8 + 8)/8) + 8/8) \\
&:= (9 \times ((9 + 9) \times (9 + 9 + 9) + 9)) - (9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4458 &:= 1 + (11 + ((1 + 1) \times (1 + ((1 + 1) \times 1111)))) \\
&:= 2 + (2 \times ((2222 + 2 + 2) + 2)) \\
&:= 3 + (3^3 \times ((3 + 3) \times 3^3 + 3)) \\
&:= 4 + (4444 + (44 - 4)/4) \\
&:= 5 + (((5 - 5/5) \times (5555 + 5)/5) + 5) \\
&:= 6 \times 6 + (66 \times 66 + 66) \\
&:= (7 \times (7 \times (77 + 7 + 7))) - 7/7 \\
&:= (8 + 8)/8 + ((8 \times (8 \times (8 \times 8 + 8) - 8)) - 88) \\
&:= (99 + 9)/9 + (9 \times (((9 + 9)/9)^9) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4463 &:= 1 + ((1 + 1) \times (11 + ((1 + 1) \times (1111 - 1)))) \\
&:= 22 + ((2 \times (2222 - 2)) + 2/2) \\
&:= 3 + ((3/3 + 3) \times ((3333 + 3)/3 + 3)) \\
&:= 4 + ((4444 + 44/4) + 4) \\
&:= 5^5 + (5 \times 5 \times 55 - ((5 + 5)/5)^5 + 5) \\
&:= 6 \times (6 + 6 + 6) + (66 \times 66 - 6/6) \\
&:= 77/7 + ((7 \times (7 \times (77 + 7 + 7))) - 7) \\
&:= (8 \times 8 - 8) \times (88 - 8) - (8/8 + 8 + 8) \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9 + 9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4454 &:= 11 + (((1 + 1) \times ((1 + 1) \times 1111)) - 1) \\
&:= 2 + (2 \times (2222 + 2 + 2)) \\
&:= (3^3 \times ((3 + 3) \times 3^3 + 3)) - 3/3 \\
&:= 4444 + (44 - 4)/4 \\
&:= 5 + (((5 - 5/5) \times 5555/5) + 5) \\
&:= 6 + ((6 - ((6 + 6)/6)) \times (6666 + 6)/6) \\
&:= (7 + 7)/7 + ((7 \times (7 \times (77 + 7 + 7))) - 7) \\
&:= 8 + ((8888/((8 + 8)/8)) + ((8 + 8)/8)) \\
&:= (9 \times ((9 + 9) \times (9 + 9 + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4459 &:= 11 + ((1 + 1) \times ((1 + 1) \times (1 + 1111))) \\
&:= 22/2 + 2 \times (2222 + 2) \\
&:= 3 + ((3^3 \times ((3 + 3) \times 3^3 + 3)) + 3/3) \\
&:= 4 + (4444 + 44/4) \\
&:= ((5 + 5)/5 + 5) \times ((55 + 5^5 + 5)/5) \\
&:= 6 + (((66 + 6/6)^{(6+6)/6}) - 6 \times 6) \\
&:= 7 \times (7 \times (77 + 7 + 7)) \\
&:= 8 + (((8888/((8 + 8)/8)) - 8/8) + 8) \\
&:= 9 + ((9/9 + 9) \times ((9 \times 9 + 99 - 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4464 &:= (1 + 1) \times (11 + (((1 + 1) \times 1111) - 1)) \\
&:= 22 + ((2 \times 2222) - 2) \\
&:= 3 \times ((3 \times (3 \times ((3 + 3) \times 3^3 + 3))) + 3) \\
&:= 4 + (4444 + 4 \times 4) \\
&:= (5 - 5/5) \times (5555/5 + 5) \\
&:= 6 \times (((666 + 66) + 6) + 6) \\
&:= 7 + ((7 \times (7 \times (77 + 7 + 7))) - ((7 + 7)/7)) \\
&:= (8/8 + 8) \times (8 \times 8 \times 8 - 8 - 8) \\
&:= 9 + (9 \times ((9 + 9) \times (9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4455 &:= 11 + ((1 + 1) \times ((1 + 1) \times 1111)) \\
&:= 22/2 + (2 \times 2222) \\
&:= 3^3 \times ((3 + 3) \times 3^3 + 3) \\
&:= 44/4 + 4444 \\
&:= 55 + 55 \times (5 \times 5 + 55) \\
&:= 666/6 + (66 \times 66 - 6 - 6) \\
&:= 7 + ((7 \times (7 \times (77 + 7 + 7))) - (77/7)) \\
&:= 88/8 + (8888/((8 + 8)/8)) \\
&:= 9 \times ((9 + 9) \times (9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4460 &:= (1 + 1) \times ((11 - 1) \times (1 + (1 + 1) \times 111)) \\
&:= 2 \times (2222 + 2 \times (2 + 2)) \\
&:= (3/3 + 3) \times ((3333 + 3)/3 + 3) \\
&:= 4 \times 4 + 4444 \\
&:= 5 + (55 \times (5 \times 5 + 55) + 55) \\
&:= 66 \times 66 + (((666 - 6)/6) - 6) \\
&:= 7/7 + (7 \times (7 \times (77 + 7 + 7))) \\
&:= 8 + ((8888/((8 + 8)/8)) + 8) \\
&:= (9/9 + 9) \times ((9 \times 9 + 99 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4465 &:= ((1 + 1) \times (11 + ((1 + 1) \times 1111))) - 1 \\
&:= 22 + ((2 \times 2222) - 2/2) \\
&:= 3 + (((3/3 + 3)^{3+3} + 333) + 33) \\
&:= 4 + ((4444 + 4 \times 4) + 4/4) \\
&:= 5^5 + (5 \times (5 \times 55 - 5) - (5 + 5)) \\
&:= 6/6 + (6 \times (6 + 6 + 6) + 66 \times 66) \\
&:= 7 + ((7 \times (7 \times (77 + 7 + 7))) - 7/7) \\
&:= 8/8 + ((8/8 + 8) \times (8 \times 8 \times 8 - 8 - 8)) \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9 + 9) + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4456 &:= 1 + (11 + ((1 + 1) \times ((1 + 1) \times 1111))) \\
&:= 2 \times ((2222 + 2 + 2) + 2) \\
&:= 3/3 + (3^3 \times ((3 + 3) \times 3^3 + 3)) \\
&:= 4 + ((4444 + 4) + 4) \\
&:= 5^5 + (((55/5)^{5-(5+5)/5}) \\
&:= 6 \times (66 - 6) + (((6 + 6)/6)^{6+6}) \\
&:= (7/7 + 7) \times ((7 \times 77 + (77/7)) + 7) \\
&:= (8 \times (8 \times (8 \times 8 + 8) - 8)) - 88 \\
&:= 9/9 + (9 \times ((9 + 9) \times (9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4461 &:= 1 + ((1 + 1) \times ((11 - 1) \times (1 + (1 + 1) \times 111))) \\
&:= 2 + (2 \times (2222 + 2) + 22/2) \\
&:= 3 + ((3^3 \times ((3 + 3) \times 3^3 + 3)) + 3) \\
&:= 4 \times 4 + (4444 + 4/4) \\
&:= 5 + (((55/5)^{5-(5+5)/5}) + 5^5) \\
&:= 666/6 + (66 \times 66 - 6) \\
&:= (7 + 7)/7 + (7 \times (7 \times (77 + 7 + 7))) \\
&:= (8 \times 8 - 8) \times (88 - 8) - (88/8 + 8) \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9 + 9) + 9)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4466 &:= (1 + 1) \times (11 + ((1 + 1) \times 1111)) \\
&:= 22 + (2 \times 2222) \\
&:= 33/3 + (3^3 \times ((3 + 3) \times 3^3 + 3)) \\
&:= 4444 + (44/((4 + 4)/4)) \\
&:= 5 + (((55/5)^{5-(5+5)/5}) + 5^5) + 5) \\
&:= 66 \times 66 + (666 - 6)/6 \\
&:= 7 + (7 \times (7 \times (77 + 7 + 7))) \\
&:= (8 - 8/8) \times (8 \times (88 - 8) - ((8 + 8)/8)) \\
&:= 99/9 + (9 \times ((9 + 9) \times (9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4457 &:= 11 + ((1 + 1) \times (1 + ((1 + 1) \times 1111))) \\
&:= 2 + ((2 \times 2222) + 22/2) \\
&:= 3 + ((3^3 \times ((3 + 3) \times 3^3 + 3)) - 3/3) \\
&:= 4 + (((4444 + 4/4) + 4) + 4) \\
&:= 5 + (((5 + 5)/5 + 5) \times ((55 + 5^5)/5)) \\
&:= 6 \times 6 + (((66 \times 66 - 6/6) + 66) \\
&:= (7 \times (7 \times (77 + 7 + 7))) - (7 + 7)/7 \\
&:= 8/8 + ((8 \times (8 \times (8 \times 8 + 8) - 8)) - 88) \\
&:= (9 + 9)/9 + (9 \times ((9 + 9) \times (9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4462 &:= (1 + 1) \times (11 + ((1 + 1) \times (1111 - 1))) \\
&:= 22 + (2 \times (2222 - 2)) \\
&:= 33 + ((3/3 + 3)^{3+3} + 333) \\
&:= 4 \times 4 + (4444 + (4 + 4)/4) \\
&:= 5 + (((5 + 5)/5 + 5) \times ((55 + 5^5)/5)) + 5) \\
&:= 6 + (((6 + 6)/6)^{6+6}) + 6 \times (66 - 6) \\
&:= (7 + 7 + 7)/7 + (7 \times (7 \times (77 + 7 + 7))) \\
&:= (8 - 88)/8 + ((8 \times 8 - 8) \times (88 - 8) - 88) \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9 + 9) + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4467 &:= 1 + ((1 + 1) \times (11 + ((1 + 1) \times 1111))) \\
&:= 22 + ((2 \times 2222) + 2/2) \\
&:= 3 + ((3^3 \times ((3 + 3) \times 3^3 + 3)) + 3 \times 3) \\
&:= 4 + (((4444 + 44/4) + 4) + 4) \\
&:= 5^5 + (55/5 \times ((555 + 55)/5)) \\
&:= 666/6 + 66 \times 66 \\
&:= 7 + ((7 \times (7 \times (77 + 7 + 7))) + 7/7) \\
&:= 88/8 + ((8 \times (8 \times (8 \times 8 + 8) - 8)) - 88) \\
&:= (99 + 9)/9 + (9 \times ((9 + 9) \times (9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4468 &:= (1+1) \times (1 + (11 + ((1+1) \times 1111))) \\
&:= 2 + ((2 \times 2222) + 22) \\
&:= (3/3 + 3) \times ((3333/3 + 3) + 3) \\
&:= 4 + (4444 + 4 \times 4 + 4) \\
&:= 5^5 + (5 \times 5 \times 55 - ((5+5)/5)^5) \\
&:= 66 \times 66 + (666 + 6)/6 \\
&:= 7 + ((7 \times (7 \times (77 + 7 + 7))) + ((7+7)/7)) \\
&:= 8 + (((8888)/((8+8)/8)) + 8) + 8) \\
&:= 9 + (((9/9 + 9) \times ((9 \times 9 \times 99 - 9)/(9+9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4473 &:= ((11 \times (11 \times 111 - 1)) - 1)/(1+1+1) \\
&:= 2 + ((2 \times (2222 + 2) + 22) + 2/2) \\
&:= 3 \times 33 + ((3+3) \times 3^{3+3}) \\
&:= 44 + ((4444 - 4 \times 4) + 4/4) \\
&:= 5^5 + (5 \times (5 \times 55 - 5) - ((5+5)/5)) \\
&:= 6 + (666/6 + 66 \times 66) \\
&:= 7 + ((7 \times (7 \times (77 + 7 + 7))) + 7) \\
&:= 8/8 + ((8 \times 8 - 8) \times (88 - 8) - 8) \\
&:= 99 + 9 \times (9+9) \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4478 &:= 1 + (11 \times (11 \times (111/(1+1+1)))) \\
&:= ((22 - 2) \times (222 + 2)) - 2 \\
&:= 3 + (((33/3 + 3)^3) + (3 \times 3 + 3)^3) + 3) \\
&:= 44 + ((4 - 44)/4 + 4444) \\
&:= 5 + ((5 \times (5 \times 55 - 5) - ((5+5)/5)) + 5^5) \\
&:= 66 \times 66 + ((666 + 66)/6) \\
&:= 7 + ((7 \times (7 \times (77 + 7 + 7))) + (77 + 7)/7) \\
&:= (8 \times 8 - 8) \times (88 - 8) - (8 + 8)/8 \\
&:= ((9 \times 999 + 9/9)/(9+9)/9) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4469 &:= 1 + ((1+1) \times (1 + (11 + ((1+1) \times 1111)))) \\
&:= 2 + (((2 \times 2222) + 22) + 2/2) \\
&:= (3 \times 3 + 3)^3 + (((33/3 + 3)^3) - 3) \\
&:= 4 + (((4444 + 4 \times 4) + 4/4) + 4) \\
&:= 5 + ((5 - 5/5) \times (5555/5 + 5)) \\
&:= 66 \times 66 + (((666 + 6) + 6)/6) \\
&:= ((77 - 7)/7) + (7 \times (7 \times (77 + 7 + 7))) \\
&:= (8 \times 8 - 8) \times (88 - 8) - 88/8 \\
&:= 9 + ((9/9 + 9) \times ((9 \times 9 \times 99 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4474 &:= (1+1) \times (11 + ((1+1) \times (1 + (1 + 1111)))) \\
&:= 22 + (2 \times (2222 + 2 + 2)) \\
&:= 3/3 + (((3+3) \times 3^{3+3}) + 3 \times 33) \\
&:= 4 \times (4 + 4) + (4444 - (4 + 4)/4) \\
&:= 5^5 + (5 \times (5 \times 55 - 5) - 5/5) \\
&:= 6 + ((666 + 6)/6 + 66 \times 66) \\
&:= 7 + (((7 \times (7 \times (77 + 7 + 7))) + 7/7) + 7) \\
&:= (8 + 8)/8 + ((8 \times 8 - 8) \times (88 - 8) - 8) \\
&:= 9/9 + (9 \times (9+9) \times (9+9+9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4479 &:= 1 + (1 + (11 \times (11 \times (111/(1+1+1)))) \\
&:= ((22 - 2) \times (222 + 2)) - 2/2 \\
&:= 3 \times ((3+3) \times 3^3 + (33/3)^3) \\
&:= 4 + ((4444 - 4/4) + 4 \times (4 + 4)) \\
&:= 5 + ((5 \times (5 \times 55 - 5) - 5/5) + 5^5) \\
&:= 6 + ((666/6 + 66 \times 66) + 6) \\
&:= 7 + (((7 - 7/7 + 7) \times (7 \times 7 \times 7 + 7/7)) \\
&:= (8 \times 8 - 8) \times (88 - 8) - 8/8 \\
&:= 9 \times ((9+9)/9)^9 - ((999/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4470 &:= (1+1) \times (11 + ((1+1) \times (1 + 1111))) \\
&:= 22 + 2 \times (2222 + 2) \\
&:= 3 \times 33 + (((3+3) \times 3^{3+3}) - 3) \\
&:= 4 + ((44/((4+4)/4)) + 4444) \\
&:= 5^5 + (5 \times (5 \times 55 - 5) - 5) \\
&:= 6 + (6 \times (6 + 6 + 6) + 66 \times 66) \\
&:= 77/7 + (7 \times (7 \times (77 + 7 + 7))) \\
&:= (8 - 88)/8 + (8 \times 8 - 8) \times (88 - 8) \\
&:= 99 + (((9+9+9)/9) \times (9 \times 9 \times (9+9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4475 &:= (11 \times (11 \times (111/(1+1+1)))) - 1 - 1 \\
&:= (2 \times (2222 + 2^{2+2})) - 2/2 \\
&:= 3 + (((33/3 + 3)^3) + (3 \times 3 + 3)^3) \\
&:= 4 \times (4 + 4) + (4444 - 4/4) \\
&:= 5^5 + 5 \times (5 \times 55 - 5) \\
&:= 6 + (((666 + 6) + 6)/6) + 66 \times 66) \\
&:= 7 + (((7 \times (7 \times (77 + 7 + 7))) + ((7+7)/7)) + 7) \\
&:= 88/8 + ((8/8 + 8) \times (8 \times 8 \times 8 - 8 - 8)) \\
&:= 9 + ((9 \times ((9+9) \times (9+9+9) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4480 &:= (1+1) \times ((1+1) \times ((11-1) \times (1+111))) \\
&:= (22 - 2) \times (222 + 2) \\
&:= (3/3 + 3) \times (3333/3 + 3 \times 3) \\
&:= 4 + (4444 + 4 \times (4 + 4)) \\
&:= 5 + (5 \times (5 \times 55 - 5) + 5^5) \\
&:= ((6+6)/6)^6 \times (((6+6)/6)^6 + 6) \\
&:= ((7+7)/7)^7 \times (7 \times 7 - (7+7)) \\
&:= (8 \times 8 - 8) \times (88 - 8) \\
&:= (9 \times 9 - 9/9) \times ((999 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4471 &:= 1 + ((1+1) \times (11 + ((1+1) \times (1 + 1111)))) \\
&:= 22 + (2 \times (2222 + 2) + 2/2) \\
&:= 3^3 + ((3/3 + 3) \times 3333/3) \\
&:= 4 \times 4 + (4444 + 44/4) \\
&:= 5^5 + ((5 \times (5 \times 55 - 5) - 5) + 5/5) \\
&:= ((66 + 6/6)^{(6+6)/6}) - 6 - 6 - 6 \\
&:= (77 + 7)/7 + (7 \times (7 \times (77 + 7 + 7))) \\
&:= (8 \times 8 - 8) \times (88 - 8) - (8/8 + 8) \\
&:= 99 + (9 \times (9+9) \times (9+9+9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4476 &:= (11 \times (11 \times (111/(1+1+1)))) - 1 \\
&:= 2 \times (2222 + 2^{2+2}) \\
&:= 3 + (((3+3) \times 3^{3+3}) + 3 \times 33) \\
&:= 4 \times (4 + 4) + 4444 \\
&:= 5^5 + (5 \times (5 \times 55 - 5) + 5/5) \\
&:= 66 + (6 \times (((6 \times 6)/(6+6))^6 + 6)) \\
&:= 7 + ((7 \times (7 \times (77 + 7 + 7))) + ((77 - 7)/7)) \\
&:= (8888 + 8 \times 8)/(8+8)/8 \\
&:= 999/9 + (9 \times (9+9) \times (9+9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4481 &:= 1 + ((1+1) \times ((1+1) \times ((11-1) \times (1+111)))) \\
&:= 2/2 + ((22 - 2) \times (222 + 2)) \\
&:= (3 \times ((3+3) \times ((3+3)^3 + 33))) - 3/3 \\
&:= 4^4 + ((4^4 + 4)/4)^{(4+4)/4} \\
&:= 5 + ((5 \times (5 \times 55 - 5) + 5^5) + 5/5) \\
&:= (66 \times (((6+6)/6) + 66)) - 6/6 - 6 \\
&:= 7/7 + (((7+7)/7)^7 \times (7 \times 7 - (7+7))) \\
&:= 8/8 + (8 \times 8 - 8) \times (88 - 8) \\
&:= 9 + ((9 \times (9+9) \times (9+9+9) - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4472 &:= (1+1) \times (1 + (11 + ((1+1) \times (1 + 1111)))) \\
&:= 2 + (2 \times (2222 + 2) + 22) \\
&:= (3 \times 3 + 3)^3 + ((33/3 + 3)^3) \\
&:= 44 + (4444 - 4 \times 4) \\
&:= 55 + (((5+5)/5 + 5) \times ((5^5 + 5)/5 + 5)) \\
&:= 6 + (((666 - 6)/6) + 66 \times 66) \\
&:= (7 - 7/7 + 7) \times (7 \times 7 \times 7 + 7/7) \\
&:= (8 \times 8 - 8) \times (88 - 8) - 8 \\
&:= 99 + (9 \times (9+9) \times (9+9+9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4477 &:= 11 \times (11 \times (111/(1+1+1))) \\
&:= 22 + ((2 \times 2222) + 22/2) \\
&:= 33 + ((3/3 + 3) \times 3333/3) \\
&:= 44 + (4444 - 44/4) \\
&:= 5^5 + (5 \times (5 \times 55 - 5) + ((5+5)/5)) \\
&:= 66/6 \times (6 \times 66 + (66/6)) \\
&:= 7 + ((7 \times (7 \times (77 + 7 + 7))) + (77/7)) \\
&:= 8 + ((8 \times 8 - 8) \times (88 - 8) - (88/8)) \\
&:= ((9 \times 999 - 9/9)/(9+9)/9) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4482 &:= (1+1) \times (1 + ((1+1) \times ((11-1) \times (1+111)))) \\
&:= 2 + ((22 - 2) \times (222 + 2)) \\
&:= 3 \times ((3+3) \times ((3+3)^3 + 33)) \\
&:= 44 + (4444 - ((4+4)/4 + 4)) \\
&:= 5 + ((5 \times (5 \times 55 - 5) + ((5+5)/5)) + 5^5) \\
&:= (66 \times (((6+6)/6) + 66)) - 6 \\
&:= (((77/7 + 7 \times 7) + 7)^{(7+7)/7}) - 7 \\
&:= (8+8)/8 + (8 \times 8 - 8) \times (88 - 8) \\
&:= 9 + (9 \times (9+9) \times (9+9+9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4483 &:= ((1+1) \times ((1+1) \times (11 + (1111 - 1)))) - 1 \\
&:= 2 + (((22 - 2) \times (222 + 2)) + 2/2) \\
&:= 3/3 + (3 \times ((3+3) \times ((3+3)^3 + 33))) \\
&:= 44 + (4444 - (4/4 + 4)) \\
&:= 5^5 + ((5+5)/5 \times ((5^5 - 5)/5 + 55)) \\
&:= ((66 + 6/6)^{(6+6)/6}) - 6 \\
&:= ((77 - 7/7) \times (77/7 + 7 \times 7)) - 77 \\
&:= 88/8 + ((8 \times 8 - 8) \times (88 - 8) - 8) \\
&:= 9 + ((9 \times (9+9) \times (9+9+9) + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4484 &:= (1+1) \times ((1+1) \times (11 + (1111 - 1))) \\
&:= 2 \times ((2222 - 2) + 22) \\
&:= ((3+3) \times 3^{3+3}) + ((333 - 3)/3) \\
&:= 44 + (4444 - 4) \\
&:= 5^5 + (5 \times 5 \times 55 - (55/5 + 5)) \\
&:= 6/6 + (((66 + 6/6)^{(6+6)/6}) - 6) \\
&:= (7/7 - 77) \times ((77/7 - 77) + 7) \\
&:= 8 + ((8888 + 8 \times 8)/(8+8)/8) \\
&:= 99 + (9 \times (9+9) \times (9+9+9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4485 &:= 1 + ((1+1) \times ((1+1) \times (11 + (1111 - 1)))) \\
&:= 2/2 + (2 \times ((2222 - 2) + 22)) \\
&:= 3 + (3 \times ((3+3) \times ((3+3)^3 + 33))) \\
&:= 44 + ((4444 - 4) + 4/4) \\
&:= 5 + ((5 \times (5 \times 55 - 5) + 5^5) + 5) \\
&:= 666/6 + (6 \times ((6 \times 6/(6+6))^6)) \\
&:= (7 - 7/7 + 7) \times (7 \times 7 \times 7 + ((7+7)/7)) \\
&:= (8/8 + 8 \times 8) \times (88 - (88/8 + 8)) \\
&:= 999/9 + 9 \times (9+9) \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4486 &:= (1+1) \times (((1+1) \times (11 + 1111)) - 1) \\
&:= 2 \times (2222 + 22) - 2 \\
&:= (((3/3 + 3)^3) + 3)^{3-3/3} - 3 \\
&:= 44 + (4444 - (4 + 4)/4) \\
&:= 5^5 + (5 \times (5 \times 55 - 5) + (55/5)) \\
&:= 6 \times 66 + (((6+6)/6)^{6+6}) - 6 \\
&:= 7 + (((7 - 7/7 + 7) \times (7 \times 7 \times 7 + 7/7)) + 7) \\
&:= 8 + ((8 \times 8 - 8) \times (88 - 8) - ((8+8)/8)) \\
&:= ((9 \times 999 - 9/9)/(9+9)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4487 &:= ((1+1) \times ((1+1) \times (11 + 1111))) - 1 \\
&:= 2 \times (2222 + 22) - 2/2 \\
&:= 3 + (((3+3) \times 3^{3+3}) + ((333 - 3)/3)) \\
&:= 44 + (4444 - 4/4) \\
&:= ((5+5)/5 + 5) \times (((55 + 5^5)/5) + 5) \\
&:= (66 \times (((6+6)/6) + 66)) - 6/6 \\
&:= 7 + (((7+7)/7)^7 \times (7 \times 7 - (7+7))) \\
&:= 8 + ((8 \times 8 - 8) \times (88 - 8) - 8/8) \\
&:= ((9 \times 999 + 9/9)/(9+9)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4488 &:= (1+1) \times ((1+1) \times (11 + 1111)) \\
&:= 2 \times (2222 + 22) \\
&:= 33 + (3^3 \times ((3+3) \times 3^3 + 3)) \\
&:= 44 + 4444 \\
&:= 5^5 + (5 \times 5 \times 55 - ((55 + 5)/5)) \\
&:= 66 \times (((6+6)/6) + 66) \\
&:= ((7+7)/7 + 7 \times 7) \times (77/7 + 77) \\
&:= 8 + (8 \times 8 - 8) \times (88 - 8) \\
&:= 9 \times ((9+9)/9)^9 - (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4489 &:= (1 + ((1+1) \times (11 \times (1+1+1))))^{1+1} \\
&:= ((2^{2+2+2} + 2/2 + 2)^2) \\
&:= (((3/3 + 3)^3) + 3)^{3-3/3} \\
&:= 44 + (4444 + 4/4) \\
&:= 5^5 + (5 \times 5 \times 55 - (55/5)) \\
&:= (66 + 6/6)^{(6+6)/6} \\
&:= ((77/7 + 7 \times 7) + 7)^{(7+7)/7} \\
&:= 8 + ((8 \times 8 - 8) \times (88 - 8) + 8/8) \\
&:= 9 + ((9 \times 9 - 9/9) \times ((999 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4490 &:= 1 + ((1 + ((1+1) \times (11 \times (1+1+1))))^{1+1}) \\
&:= 2 + 2 \times (2222 + 22) \\
&:= 3/3 + (((3/3 + 3)^3) + 3)^{3-3/3} \\
&:= 44 + (4444 + (4 + 4)/4) \\
&:= 5^5 + (5 \times 5 \times 55 - (5 + 5)) \\
&:= 6/6 + (((66 + 6/6)^{(6+6)/6}) \\
&:= 7/7 + (((77/7 + 7 \times 7) + 7)^{(7+7)/7}) \\
&:= 8 + ((8 \times 8 - 8) \times (88 - 8) + ((8+8)/8)) \\
&:= (9 \times 999 - (99/9))/(9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4491 &:= 1 + (1 + ((1 + ((1+1) \times (11 \times (1+1+1))))^{1+1})) \\
&:= 2 + (((2^{2+2+2} + 2/2) + 2)^2) \\
&:= 3 \times (((3+3) \times ((3+3)^3 + 33)) + 3) \\
&:= 4 + ((4444 - 4/4) + 44) \\
&:= 5^5 + ((5 \times 5 \times 55 - (5+5)) + 5/5) \\
&:= (6+6)/6 + (((66 + 6/6)^{(6+6)/6}) \\
&:= 7 + ((7/7 - 77) \times ((77/7 - 77) + 7)) \\
&:= 88/8 + (8 \times 8 - 8) \times (88 - 8) \\
&:= 9 \times ((9 \times 999 - 9/9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4492 &:= (1+1) \times ((1+1) \times (1 + (11 + 1111))) \\
&:= 2 \times (2222 + 22 + 2) \\
&:= 3 + (((3/3 + 3)^3) + 3)^{3-3/3} \\
&:= 4 + (4444 + 44) \\
&:= 5 + (((5+5)/5 + 5) \times (((55 + 5^5)/5) + 5)) \\
&:= 6 \times 66 + (((6+6)/6)^{6+6}) \\
&:= 7 + ((7 - 7/7 + 7) \times (7 \times 7 \times 7 + ((7+7)/7))) \\
&:= ((88 + 8)/8) + (8 \times 8 - 8) \times (88 - 8) \\
&:= 9/9 + (9 \times ((9 \times 999 - 9/9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4493 &:= 1 + ((1+1) \times ((1+1) \times (1 + (11 + 1111)))) \\
&:= 2 + (((2^{2+2+2} + 2/2) + 2)^2) + 2 \\
&:= 3 + ((3/3 + 3)^3 + 3)^{3-3/3} + 3/3 \\
&:= 4 + ((4444 + 4/4) + 44) \\
&:= 5^5 + (5 \times 5 \times 55 - ((5+5)/5 + 5)) \\
&:= 6 + ((66 \times (((6+6)/6) + 66)) - 6/6) \\
&:= 7 \times 7 + ((77/7 - 7) \times 7777/7) \\
&:= 8 + ((8/8 + 8 \times 8) \times (88 - (88/8 + 8))) \\
&:= (9+9)/9 + (9 \times ((9 \times 999 - 9/9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4494 &:= (1+1) \times (1 + ((1+1) \times (1 + (11 + 1111)))) \\
&:= 2 + (2 \times (2222 + 22 + 2)) \\
&:= 3 \times (((3^3 \times 333) - 3)/(3+3)) \\
&:= 4 + ((4444 + (4+4)/4) + 44) \\
&:= 5^5 + (5 \times 5 \times 55 - (5/5 + 5)) \\
&:= 6 + (66 \times (((6+6)/6) + 66)) \\
&:= 7 \times (777 - (((7+7)/7)^7 + 7)) \\
&:= (8 - 8/8) \times (8 \times (88 - 8) + ((8+8)/8)) \\
&:= 9 + (9 \times (9+9) \times (9+9+9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4495 &:= ((111 \times (11 - 1 - 1))^{1+1} - 1)/(1+1) \\
&:= 2 + (((2^{2+2+2} + 2/2) + 2)^2) + 2 + 2 \\
&:= 3 + ((3/3 + 3)^3 + 3)^{3-3/3} + 3 \\
&:= 4^4 \times (4 \times 4 + 4) - (4/4 + 4)^4 \\
&:= 5^5 + (5 \times 5 \times 55 - 5) \\
&:= 6 + ((66 + 6/6)^{(6+6)/6}) \\
&:= 7 + (((7+7)/7 + 7 \times 7) \times (77/7 + 77)) \\
&:= 8 + (((8 \times 8 - 8) \times (88 - 8) - 8/8) + 8) \\
&:= (9 \times 999 - 9/9)/(9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4496 &:= (1+1) \times ((1+1) \times (1 + (1 + (11 + 1111)))) \\
&:= 2 \times ((2222 + 22 + 2) + 2) \\
&:= (3/3 + 3) \times (((3 \times 3 + 3 + 3)^3 - 3)/3) \\
&:= 4 + ((4444 + 44) + 4) \\
&:= 5^5 + ((5 \times 5 \times 55 - 5) + 5/5) \\
&:= 6 + (((66 + 6/6)^{(6+6)/6}) + 6/6) \\
&:= 7 + (((77/7 + 7 \times 7) + 7)^{(7+7)/7}) \\
&:= 8 + ((8 \times 8 - 8) \times (88 - 8) + 8) \\
&:= (9 \times 999 + 9/9)/(9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4497 &:= 1 + ((1+1) \times ((1+1) \times (1 + (1 + (11 + 1111)))))) \\
&:= (2 \times ((2 \times (22 + 2))^2)) - 222/2 \\
&:= 3 \times (((3^3 \times 333) + 3)/(3+3)) \\
&:= 4444 + (4^4 - 44)/4 \\
&:= 5^5 + ((5 \times 5 \times 55 - 5) + ((5+5)/5)) \\
&:= 6 + (((66 + 6/6)^{(6+6)/6}) + ((6+6)/6)) \\
&:= (7 \times ((7 \times (77 + 7 + 7)) + 7)) - 77/7 \\
&:= 8 \times 8 \times (8 \times 8 + 8) - 888/8 \\
&:= 9 \times ((9+9)/9)^9 - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4498 &:= 11 + (((1+1) \times ((1+1) \times (11+1111))) - 1) \\
&:= 2 + (2^{2 \times (2+2+2)} + (22-2)^2) \\
&:= (3 \times (3+3))^3 - ((33/3)^3 + 3) \\
&:= 44 + (4444 + (44-4)/4) \\
&:= 5^5 + (5 \times 5 \times 55 - ((5+5)/5)) \\
&:= 6 + (((6+6)/6)^{6+6}) + 6 \times 66 \\
&:= ((7-77)/7) + (7 \times ((7 \times (77+7+7)) + 7)) \\
&:= ((8-888)/8) + 8 \times 8 \times (8 \times 8 + 8) \\
&:= (9-999)/9 + 9 \times (9+9)/9^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4499 &:= 11 + ((1+1) \times ((1+1) \times (11+1111))) \\
&:= 22/2 + 2 \times (2222 + 22) \\
&:= (33/3)^3 + (33 \times (3 \times 33 - 3)) \\
&:= 44 + (4444 + 44/4) \\
&:= 5^5 + (5 \times 5 \times 55 - 5/5) \\
&:= 66/6 + (66 \times (((6+6)/6) + 66)) \\
&:= 777 + (7 \times (7 \times 77 - 7) - ((7+7)/7)) \\
&:= 8 + ((8 \times 8 - 8) \times (88 - 8) + (88/8)) \\
&:= 9 \times (9+9)/9^9 - (9/9 + 99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4500 &:= 11 + ((1 + ((1+1) \times (11 \times (1+1+1))))^{1+1}) \\
&:= (22-2) \times (222 + 2/2 + 2) \\
&:= (33+3) \times (3-3/3+3)^3 \\
&:= (44/4+4) \times (44+4^4) \\
&:= 5^5 + 5 \times 5 \times 55 \\
&:= 6 \times (66 \times (6+6) - (6 \times 6 + 6)) \\
&:= 777 + (7 \times (7 \times 77 - 7) - 7/7) \\
&:= 8 \times 8 + ((8888)/((8+8)/8)) - 8 \\
&:= 9 \times (9 \times 999 + 9)/(9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4501 &:= (1+1)^{11} + (11 \times (1 + (1+1) \times 111)) \\
&:= 2 + 2 \times (2222 + 22) + 22/2 \\
&:= (3 \times (3+3))^3 - (33/3)^3 \\
&:= 4 + ((4^4 - 44)/4 + 4444) \\
&:= 5^5 + (5 \times 5 \times 55 + 5/5) \\
&:= 6 + (((66+6/6)^{(6+6)/6}) + 6) \\
&:= 777 + 7 \times (7 \times 77 - 7) \\
&:= (8/8+8) \times (8 \times 8 \times 8 - 88/8) - 8 \\
&:= 9/9 + (9 \times ((9 \times 999 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4502 &:= 1 + ((1+1)^{11} + (11 \times (1 + (1+1) \times 111))) \\
&:= 22 + ((22-2) \times (222+2)) \\
&:= 3/3 + ((3 \times (3+3))^3 - (33/3)^3) \\
&:= 4444 + ((4^4 - 4 - 4)/4 - 4) \\
&:= 5^5 + (5 \times 5 \times 55 + ((5+5)/5)) \\
&:= 6 + (((66+6/6)^{(6+6)/6}) + 6/6 + 6) \\
&:= 7/7 + (7 \times (7 \times 77 - 7) + 777) \\
&:= 8 + ((8-8/8) \times (8 \times (88-8) + ((8+8)/8))) \\
&:= (9+9)/9 + (9 \times ((9 \times 999 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4503 &:= 11 + ((1+1) \times ((1+1) \times (1 + (11+1111)))) \\
&:= 22 + (((22-2) \times (222+2)) + 2/2) \\
&:= 3 + ((33+3) \times (3-3/3+3)^3) \\
&:= 4444 + (((4^4 - 4)/4) - 4) \\
&:= 5 + ((5 \times 5 \times 55 - ((5+5)/5)) + 5^5) \\
&:= 6 \times 6 + (666/6 + 66 \times 66) \\
&:= ((7/7 + 7 \times 7) + 7) \times ((7+7)/7 + 77) \\
&:= ((8/8 - 88) + 8) \times (8 - (8/8 + 8 \times 8)) \\
&:= 9 + (9 \times (9+9) \times (9+9+9) + 999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4504 &:= 111 + (((1+1) \times ((1+1+11)^{1+1+1})) - 1) \\
&:= 2 + (((22-2) \times (222+2)) + 22) \\
&:= 3 + ((3 \times (3+3))^3 - (33/3)^3) \\
&:= 4 \times 4 + (4444 + 44) \\
&:= 5 + ((5 \times 5 \times 55 - 5/5) + 5^5) \\
&:= 6 + (((6+6)/6)^{6+6}) + 6 \times 66 + 6) \\
&:= 7 + ((7 \times ((7 \times (77+7+7)) + 7)) - (77/7)) \\
&:= 8 + (((8 \times 8 - 8) \times (88 - 8) + 8) + 8) \\
&:= 9 + (9 \times 999 - 9/9)/((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4505 &:= 111 + ((1+1) \times ((1+1+11)^{1+1+1})) \\
&:= 2^{2+2} + (2^{2+2+2} + 2/2 + 2)^2 \\
&:= (3 \times (33/3)^3) + ((3-3/3)^{3 \times 3}) \\
&:= (4^4 + 4)/4 + (4444 - 4) \\
&:= 5 + (5 \times 5 \times 55 + 5^5) \\
&:= 6 + ((66 \times (((6+6)/6) + 66)) + (66/6)) \\
&:= (7/7 + 77 + 7) \times ((77/7 - 7) + 7 \times 7) \\
&:= 8 + (8 \times 8 \times (8 \times 8 + 8) - 888/8) \\
&:= 9 + (9 \times 999 + 9/9)/((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4506 &:= 1 + (111 + ((1+1) \times ((1+1+11)^{1+1+1}))) \\
&:= 22 + (2 \times ((2222 - 2) + 22)) \\
&:= 3 + (((33+3) \times (3-3/3+3)^3) + 3) \\
&:= 4444 + (4^4 - 4 - 4)/4 \\
&:= 5 + ((5 \times 5 \times 55 + 5/5) + 5^5) \\
&:= 6 + ((6+6) \times (6+6) + 66 \times 66) \\
&:= (7 \times ((7 \times (77+7+7)) + 7)) - (7+7)/7 \\
&:= 8 + (((8-888)/8) + 8 \times 8 \times (8 \times 8 + 8)) \\
&:= 9 + (9 \times ((9+9)/9)^9 - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4507 &:= 111 + ((1+1) \times (1 + ((1+1+11)^{1+1+1}))) \\
&:= 2^{2+2+2} + ((2 \times 2222) - 2/2) \\
&:= 3 + (((3 \times (3+3))^3 - (33/3)^3) + 3) \\
&:= 4444 + ((4^4 - 4)/4) \\
&:= 5 + ((5 \times 5 \times 55 + ((5+5)/5)) + 5^5) \\
&:= 6 + (((66+6/6)^{(6+6)/6}) + 6) + 6) \\
&:= (7 \times ((7 \times (77+7+7)) + 7)) - 7/7 \\
&:= 8 + (((8 \times 8 - 8) \times (88 - 8) + (88/8)) + 8) \\
&:= 9 \times (9+9)/9^9 - ((9+9)/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4508 &:= (1 + (11 + 11)) \times (1 + 1 + 1 + 11)^{1+1} \\
&:= 2 \times (2222 + 2 \times 2^{2+2}) \\
&:= (33/3 + 3) \times (333 - 33/3) \\
&:= 4 \times 4 \times 4 + 4444 \\
&:= 5 + (((5 \times 5 \times 55 - ((5+5)/5)) + 5^5) + 5) \\
&:= 6 \times 6 \times 6 + (66 \times 66 - ((6+6)/6)^6) \\
&:= 7 \times ((7 \times (77+7+7)) + 7) \\
&:= 8 \times 8 + (8888/((8+8)/8)) \\
&:= 9 \times (9+9)/9^9 - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4509 &:= (11 - 1 - 1) \times ((1+1)^{11-1-1} - 11) \\
&:= 22 + 2 \times (2222 + 22) - 2/2 \\
&:= 3 \times (3 \times ((3+3) \times (3 \times 3^3 + 3)) - 3) \\
&:= (4^4 + 4)/4 + 4444 \\
&:= 5 + (((5 \times 5 \times 55 - 5/5) + 5^5) + 5) \\
&:= 6 + ((666/6 + 66 \times 66) + 6 \times 6) \\
&:= 7/7 + (7 \times ((7 \times (77+7+7)) + 7)) \\
&:= (8/8 + 8) \times (8 \times 8 \times 8 - 88/8) \\
&:= 9 \times (9+9)/9^9 - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4510 &:= (1+1) \times (11 + ((1+1) \times (11+1111))) \\
&:= 22 + 2 \times (2222 + 22) \\
&:= 3 \times 3 + ((3 \times (3+3))^3 - (33/3)^3) \\
&:= 4444 + ((4^4 + 4 + 4)/4) \\
&:= 5 + ((5 \times 5 \times 55 + 5^5) + 5) \\
&:= (6 \times 6 - 6/6 + 6) \times ((666 - 6)/6) \\
&:= (7+7)/7 + (7 \times ((7 \times (77+7+7)) + 7)) \\
&:= 8/8 + (8/8 + 8) \times (8 \times 8 \times 8 - 88/8) \\
&:= 9/9 + (9 \times ((9+9)/9)^9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4511 &:= 111 + (11 \times ((1+1) \times (11-11))^{1+1}) \\
&:= 22 + (2^{2+2+2} + 2/2 + 2)^2 \\
&:= 3 + ((33/3 + 3) \times (333 - 33/3)) \\
&:= 4 + (4444 + ((4^4 - 4)/4)) \\
&:= 5^5 + (5 \times 5 \times 55 + (55/5)) \\
&:= 66/6 + ((6+6) \times (6+6) + 66 \times 66) \\
&:= 7 \times 7 \times 7 + 7 + (((7+7+7)/7)^7 - 77) \\
&:= 8 \times 8 \times (8 \times 8 + 8) - ((8/8 + 88) + 8) \\
&:= (9+9)/9 + (9 \times ((9+9)/9)^9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4512 &:= (1+1)^{11} + ((1+1) \times (11 \times (1+111))) \\
&:= 2 + 2 \times (2222 + 22) + 22 \\
&:= 3 + (3 \times (3 \times ((3+3) \times (3 \times 3^3 + 3)) - 3)) \\
&:= 4 + (4444 + 4 \times 4 \times 4) \\
&:= 5^5 + (5 \times 5 \times 55 + ((55+5)/5)) \\
&:= 6 + (((6+6) \times (6+6) + 66 \times 66) + 6) \\
&:= 77/7 + (7 \times (7 \times 77 - 7) + 777) \\
&:= 8 \times 8 \times (8 \times 8 + 8) - (88 + 8) \\
&:= (9-9/9) \times ((9999-9)/(9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4513 &:= (1+1+1)^{(1+1)\times(1+1+1)} - (1+1)^{11} \\
&:= (2/2+2)^{2\times(2+2)} - 2^{22/2} \\
&:= 3 + (((3\times(3+3))^3 - (33/3)^3) + 3\times 3) \\
&:= 4 + ((4^4+4)/4 + 4444) \\
&:= 5^5/5 + ((5/5+5)^5/(5+5)/5) \\
&:= 6 + (((((66+6/6)^{(6+6)/6}) + 6) + 6) + 6) \\
&:= 7 + ((7\times((7\times(77+7+7)) + 7)) - ((7+7)/7)) \\
&:= 8/8 + (8\times 8\times(8\times 8+8) - (88+8)) \\
&:= 9\times 9\times 9\times 9 - (((9+9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4514 &:= (1+11^{1+1})\times(111/(1+1+1)) \\
&:= 22+2\times(2222+22+2) \\
&:= ((3-3/3)^{3\times 3}) + 3\times((33/3)^3 + 3) \\
&:= 4 + (((4^4+4+4)/4) + 4444) \\
&:= 5^5 + (5\times(5\times 55+5) - (55/5)) \\
&:= (6\times 6+6/6)\times((666+66)/6) \\
&:= 7 + ((7\times((7\times(77+7+7)) + 7)) - 7/7) \\
&:= (8+8)/8 + (8\times 8\times(8\times 8+8) - (88+8)) \\
&:= 9 + (((9\times 999+9/9)/(9+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4515 &:= 1 + ((1+11^{1+1})\times(111/(1+1+1))) \\
&:= 2 + (2/2+2)^{2\times(2+2)} - 2^{22/2} \\
&:= (3/3+3+3)\times(3\times(3+3)^3 - 3) \\
&:= 4 + (4444 + ((4^4-4)/4) + 4) \\
&:= 5 + (((5\times 5\times 55+5^5) + 5) + 5) \\
&:= ((6\times 6+6/6)+6)\times(666/6-6) \\
&:= 7 + (7\times((7\times(77+7+7)) + 7)) \\
&:= (8\times(8+8)+8/8)\times((88/8+8+8)+8) \\
&:= (9\times(((9+9)/9)^9 - 9)) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4516 &:= 1 + (1 + ((1+11^{1+1})\times(111/(1+1+1)))) \\
&:= 2\times((2+2+2)^2 + 2222) \\
&:= 3^3 + (((3/3+3)^3) + 3)^{3-3/3} \\
&:= 4 + (4444 + 4\times 4\times 4) + 4 \\
&:= 5 + ((5\times 5\times 55 + (55/5)) + 5^5) \\
&:= 6 + ((6\times 6-6/6+6)\times((666-6)/6)) \\
&:= 7 + ((7\times((7\times(77+7+7)) + 7)) + 7/7) \\
&:= 8 + ((8888/(8+8)/8) + 8\times 8) \\
&:= (9\times(((9+9)/9)^9 - 9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4517 &:= ((11\times(11\times(1+111))) - 1)/(1+1+1) \\
&:= 2/2 + (2\times((2+2+2)^2 + 2222)) \\
&:= ((3+3)\times((3^{3+3}-3)+3^3)) - 3/3 \\
&:= 4 + (((4^4+4)/4 + 4444) + 4) \\
&:= 5 + ((5\times 5\times 55 + ((55+5)/5)) + 5^5) \\
&:= (6\times(6\times(6+6)\times(6+6))) - (666+6/6) \\
&:= 7 + ((7\times((7\times(77+7+7)) + 7)) + ((7+7)/7)) \\
&:= 8 + (8/8+8)\times(8\times 8\times 8 - 88/8) \\
&:= (9\times(((9+9)/9)^9 - 9)) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4518 &:= 1 + (((11\times(11\times(1+111))) - 1)/(1+1+1)) \\
&:= ((22-2)\times(222+2+2)) - 2 \\
&:= (3+3)\times((3^{3+3}-3)+3^3) \\
&:= 4444 + (((4^4-4)+44)/4) \\
&:= 5 + (((5/5+5)^5/(5+5)/5) + 5^5/5) \\
&:= (6+6+6)\times(6\times(6\times 6+6) - 6/6) \\
&:= ((77-7)/7) + (7\times((7\times(77+7+7)) + 7)) \\
&:= (8/8+8)\times((8-88)/8+8\times 8\times 8) \\
&:= (9\times(((9+9)/9)^9 - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4519 &:= (11\times(11 + ((1+1)\times(11-1))^{1+1})) - 1 - 1 \\
&:= ((22-2)\times(222+2+2)) - 2/2 \\
&:= 3/3 + ((3+3)\times((3^{3+3}-3)+3^3)) \\
&:= 4444 + (44+4^4)/4 \\
&:= 5^5 + (5\times(5\times 55+5) - (5/5+5)) \\
&:= 6\times 6 + (((66+6/6)^{(6+6)/6}) - 6) \\
&:= 77/7 + (7\times((7\times(77+7+7)) + 7)) \\
&:= 8\times 8\times(8\times 8+8) - (8/8+88) \\
&:= 9/9 + ((9\times(((9+9)/9)^9 - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4520 &:= (1+1)\times((1+1)\times((11-1)\times(1+1+111))) \\
&:= (22-2)\times(222+2+2) \\
&:= 3 + (((3+3)\times((3^{3+3}-3)+3^3)) - 3/3) \\
&:= 44 + (4444 + 4\times(4+4)) \\
&:= 5^5 + (5\times(5\times 55+5) - 5) \\
&:= 6 + ((6\times 6+6/6)\times((666+66)/6)) \\
&:= (77+7)/7 + (7\times((7\times(77+7+7)) + 7)) \\
&:= 8\times 8\times(8\times 8+8) - 88 \\
&:= (9+9)/9 + ((9\times(((9+9)/9)^9 - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4521 &:= 11\times(11 + ((1+1)\times(11-1))^{1+1}) \\
&:= 2/2 + ((22-2)\times(222+2+2)) \\
&:= 3 + ((3+3)\times((3^{3+3}-3)+3^3)) \\
&:= 4444 + ((4-4/4)^4 - 4) \\
&:= 5^5 + ((5\times(5\times 55+5) - 5) + 5/5) \\
&:= 6 + (((6\times 6+6/6)+6)\times(666/6-6)) \\
&:= 77/7\times(7\times 77 - ((7+7)/7)^7) \\
&:= 8/8 + (8\times 8\times(8\times 8+8) - 88) \\
&:= (99+9)/9 + (9\times((9+9)/9)^9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4522 &:= 1 + (11\times(11 + ((1+1)\times(11-1))^{1+1})) \\
&:= 2 + ((22-2)\times(222+2+2)) \\
&:= 33 + (((3/3+3)^3) + 3)^{3-3/3} \\
&:= (4\times 4 + 4/4)\times((44-4)/4 + 4^4) \\
&:= 5^5 + ((5\times(5\times 55+5) - 5) + ((5+5)/5)) \\
&:= (6\times(66+6)) + (((6+6)/6)^{6+6}) - 6 \\
&:= 7 + ((7\times((7\times(77+7+7)) + 7)) + 7) \\
&:= (8+8)/8 + (8\times 8\times(8\times 8+8) - 88) \\
&:= 9 + (9\times 9\times 9\times 9 - ((9+9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4523 &:= 1 + (1 + (11\times(11 + ((1+1)\times(11-1))^{1+1}))) \\
&:= 2 + (((22-2)\times(222+2+2)) + 2/2) \\
&:= 3 + (3+3)\times(3^{3+3}-3+3^3) - 3/3+3 \\
&:= 4 + ((44+4^4)/4 + 4444) \\
&:= 5^5 + (5\times(5\times 55+5) - ((5+5)/5)) \\
&:= 6\times 6 + ((66\times((6+6)/6) + 66)) - 6/6 \\
&:= 7 + (((7\times((7\times(77+7+7)) + 7)) + 7/7) + 7) \\
&:= 88/8 + (8\times 8\times(8\times 8+8) - (88+8)) \\
&:= ((9-9\times 9)/(9+9)) + (9\times(((9+9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4524 &:= (1+1)\times((1+1)\times(1 + ((11-1)\times(1+1+111)))) \\
&:= 2\times(2222+2\times(22-2)) \\
&:= 3 + (((3+3)\times((3^{3+3}-3)+3^3)) + 3) \\
&:= 444 + 4\times(4\times 4^4 - 4) \\
&:= 5^5 + (5\times(5\times 55+5) - 5/5) \\
&:= 6\times 6 + (66\times(((6+6)/6) + 66)) \\
&:= (7/7+77)\times(((7+7)/7+7\times 7) + 7) \\
&:= 88 + ((8888/((8+8)/8)) - 8) \\
&:= (9\times(((9+9)/9)^9 - 9)) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4525 &:= 11 + ((1+11^{1+1})\times(111/(1+1+1))) \\
&:= (2\times 2222) + (2/2+2)^{2+2} \\
&:= ((3+3)\times(3^{3+3}+3^3)) - 33/3 \\
&:= 4444 + (4-4/4)^4 \\
&:= 5^5 + 5\times(5\times 55+5) \\
&:= 6\times 6 + ((66+6/6)^{(6+6)/6}) \\
&:= 77 + ((7\times(7\times(77+7+7)) - (77/7)) \\
&:= (8\times(8\times(8\times 8+8) - 8)) - (88/8+8) \\
&:= (9\times(((9+9)/9)^9 - 9)) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4526 &:= (11111 - (11 + (1+1)^{11}))/ (1+1) \\
&:= 2222 + ((2\times(22+2))^2) \\
&:= ((3-33)/3) + ((3+3)\times(3^{3+3}+3^3)) \\
&:= 4/4 + (4444 + (4-4/4)^4) \\
&:= 5^5 + (5\times(5\times 55+5) + 5/5) \\
&:= 6\times 6 + (((66+6/6)^{(6+6)/6}) + 6/6) \\
&:= 7 + ((7\times((7\times(77+7+7)) + 7)) + (77/7)) \\
&:= (8\times 8 - ((8+8)/8))\times((8/8+8\times 8) + 8) \\
&:= (9\times(((9+9)/9)^9 - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4527 &:= 1 + ((11111 - (11 + (1+1)^{11}))/ (1+1)) \\
&:= 2 + ((2\times 2222) + (2/2+2)^{2+2}) \\
&:= 3\times(3\times(((3-3/3)^{3\times 3}) - 3\times 3)) \\
&:= 4^4 + ((4\times 44 - 4/4) + (4+4)^4) \\
&:= 5^5 + (5\times(5\times 55+5) + ((5+5)/5)) \\
&:= 66 + ((66\times 66 - 6) + 666/6) \\
&:= ((7-7/7)\times 777) - (((7+7)/7)^7 + 7) \\
&:= (8/8+8)\times(8\times 8\times 8 - (8/8+8)) \\
&:= 9\times(((9+9)/9)^9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4528 &:= (1+1) \times ((1+1) \times (11 + (11 + (1111 - 1)))) \\
&:= 2 \times ((2222 - 2) + 2 \times 22) \\
&:= 3^3 + ((3 \times (3+3))^3 - (33/3)^3) \\
&:= 4 \times ((4 \times (4 \times 4 + 4^4)) + 44) \\
&:= 5 + ((5 \times (5 \times 55 + 5) - ((5+5)/5)) + 5^5) \\
&:= (6 \times (66+6)) + (((6+6)/6)^{6+6}) \\
&:= ((7+7)/7) \times (((7+7+7)/7)^7 + 77) \\
&:= 8 + (8 \times 8 \times (8 \times 8 + 8) - 88) \\
&:= 9/9 + (9 \times (((9+9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4529 &:= ((1+1) \times ((1+1)^{11} + (1+1) \times 111)) - 11 \\
&:= 2/2 + (2 \times ((2222 - 2) + 2 \times 22)) \\
&:= (3/3 + 3 + 3) \times (3 \times (3+3)^3 - 3/3) \\
&:= 4 + (4444 + (4 - 4/4)^4) \\
&:= 5 + ((5 \times (5 \times 55 + 5) - 5/5) + 5^5) \\
&:= (6/6 + 6) \times ((6 \times 6 \times (6+6+6)) - 6/6) \\
&:= 77 + ((7 \times (7 \times (77+7+7))) - 7) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 + 8) - 88) + 8/8) \\
&:= (9+9)/9 + (9 \times (((9+9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4530 &:= (1+1) \times (((1+1) \times (11 + (11 + 1111))) - 1) \\
&:= 2 \times (2222 + 2 \times 22) - 2 \\
&:= (3+3) \times ((3^{3+3} - 3/3) + 3^3) \\
&:= 444 + ((4 - 44)/4 + (4 + 4)^4) \\
&:= 5 + (5 \times (5 \times 55 + 5) + 5^5) \\
&:= (6 \times (6 \times ((66 - 6) + 66))) - 6 \\
&:= 7/7 + (((7 \times (7 \times (77+7+7))) - 7) + 77) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 + 8) - 88) + ((8+8)/8)) \\
&:= ((9+9+9)/9) + (9 \times (((9+9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4531 &:= (11111 - (1 + (1+1)^{11})) / (1+1) \\
&:= 2 \times (2222 + 2 \times 22) - 2/2 \\
&:= 3 + (((3 \times (3+3))^3 - (33/3)^3) + 3^3) \\
&:= 44 + ((4444 - 4/4) + 44) \\
&:= 5555 - (5 - 5/5)^5 \\
&:= 6 + (((66 + 6/6)^{(6+6)/6}) + 6 \times 6) \\
&:= 7 + ((7/7 + 77) \times (((7+7)/7 + 7 \times 7) + 7)) \\
&:= 88/8 + (8 \times 8 \times (8 \times 8 + 8) - 88) \\
&:= ((9 \times 9 - 9) / (9+9)) + (9 \times (((9+9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4532 &:= (1+1) \times ((1+1) \times (11 + (11 + 1111))) \\
&:= 2 \times (2222 + 2 \times 22) \\
&:= ((3+3) \times (3^{3+3} + 3^3)) - (3/3 + 3) \\
&:= 44 + (4444 + 44) \\
&:= 5^5 + (5 \times 5 \times 55 + ((5+5)/5)^5) \\
&:= 66 + (((666 - 6)/6) + 66 \times 66) \\
&:= 777 + (7 \times 7 \times 77 - (7/7 + 7)) \\
&:= 88 + (8888 / ((8+8)/8)) \\
&:= 99/9 \times (((9+9)/9)^9 - (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4533 &:= 1 + ((1+1) \times ((1+1) \times (11 + (11 + 1111)))) \\
&:= 2/2 + 2 \times (2222 + 2 \times 22) \\
&:= ((3+3) \times (3^{3+3} + 3^3)) - 3 \\
&:= 4 + ((4444 + (4 - 4/4)^4) + 4) \\
&:= 5^5 + (((5+5)/5)^5 \times (55 - (55/5))) \\
&:= 66 + (666/6 + 66 \times 66) \\
&:= 7 + (((7 \times (7 \times (77+7+7)) + 7)) + (77/7) + 7) \\
&:= (8 \times (8 \times (8 \times 8 + 8) - 8)) - 88/8 \\
&:= 9 + (9 \times (((9+9)/9)^9 - 9)) - ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4534 &:= (1+1) \times (1 + ((1+1) \times (11 + (11 + 1111)))) \\
&:= 2 + 2 \times (2222 + 2 \times 22) \\
&:= 3/3 + (((3+3) \times (3^{3+3} + 3^3)) - 3) \\
&:= 444 + ((4+4)^4 - ((4+4)/4 + 4)) \\
&:= 5 + (((5 \times (5 \times 55 + 5) - 5/5) + 5^5) + 5) \\
&:= 6 + (((6+6)/6)^{6+6}) + (6 \times (66+6)) \\
&:= ((7 - 7/7) \times 777) - ((7+7)/7)^7 \\
&:= (8 - 88)/8 + (8 \times (8 \times (8 \times 8 + 8) - 8)) \\
&:= 9 + (9 \times (((9+9)/9)^9 - 9)) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4535 &:= ((1+1) \times ((1+1)^{11} + ((1+1) \times (111 - 1)))) - 1 \\
&:= 2 + (2 \times (2222 + 2 \times 22) + 2/2) \\
&:= ((3+3) \times (3^{3+3} + 3^3)) - 3/3 \\
&:= 444 + ((4+4)^4 - (4/4 + 4)) \\
&:= 5 + ((5 \times (5 \times 55 + 5) + 5^5) + 5) \\
&:= (6 \times (6 \times ((66 - 6) + 66))) - 6/6 \\
&:= 77 + ((7 \times (7 \times (77+7+7))) - 7/7) \\
&:= (8 \times (8 \times (8 \times 8 + 8) - 8)) - (8/8 + 8) \\
&:= 9 + (9 \times (((9+9)/9)^9 - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4536 &:= (1+1) \times ((1+1)^{11} + ((1+1) \times (111 - 1))) \\
&:= 2 \times (2222 + 2 \times 22) + 2 \\
&:= (3+3) \times (3^{3+3} + 3^3) \\
&:= 444 + ((4+4)^4 - 4) \\
&:= 5 + (5555 - (5 - 5/5)^5) \\
&:= 6 \times (6 \times ((66 - 6) + 66)) \\
&:= 77 + (7 \times (7 \times (77+7+7))) \\
&:= (8/8 + 8) \times (8 \times 8 \times 8 - 8) \\
&:= 9 + (9 \times (((9+9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4537 &:= ((1+1)^{1+11}) + ((11 + (11 - 1))^{1+1}) \\
&:= ((22 - 2/2)^2) + 2^{2 \times (2+2+2)} \\
&:= 3/3 + ((3+3) \times (3^{3+3} + 3^3)) \\
&:= 4/4 + (((4+4)^4 - 4) + 444) \\
&:= 5 + ((5555 - (5 - 5/5)^5) + 5/5) \\
&:= 6/6 + (6 \times (6 \times ((66 - 6) + 66))) \\
&:= 7/7 + ((7 \times (7 \times (77+7+7))) + 77) \\
&:= 8/8 + ((8/8 + 8) \times (8 \times 8 \times 8 - 8)) \\
&:= 9 + (9 \times (((9+9)/9)^9 - 9)) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4538 &:= (1+1) \times ((1+1)^{11} + ((1+1) \times 111 - 1)) \\
&:= (2 \times (2^{22/2} + 222)) - 2 \\
&:= 3 + (((3+3) \times (3^{3+3} + 3^3)) - 3/3) \\
&:= 444 + ((4+4)^4 - (4+4)/4) \\
&:= (((5+5)/5 + 5) \times ((5^5 - 5)/5 + 5 \times 5)) - 5 \\
&:= (6+6)/6 + (6 \times (6 \times ((66 - 6) + 66))) \\
&:= 77 + ((7 \times (7 \times (77+7+7))) + ((7+7)/7)) \\
&:= (8+8)/8 + ((8/8 + 8) \times (8 \times 8 \times 8 - 8)) \\
&:= 99/9 + (9 \times (((9+9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4539 &:= ((1+1) \times ((1+1)^{11} + (1+1) \times 111)) - 1 \\
&:= (2 \times (2^{22/2} + 222)) - 2/2 \\
&:= 3 + ((3+3) \times (3^{3+3} + 3^3)) \\
&:= 444 + ((4+4)^4 - 4/4) \\
&:= 5^5 + (((5 \times (5 \times 55 + 5) + 5) - (55/5))) \\
&:= ((6 \times 6 \times 6 \times (6 \times 6 + 6)) + 6) / ((6+6)/6) \\
&:= 777 + (7 \times 7 \times 77 - (77/7)) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 + 8) - 88) + (88/8)) \\
&:= (99+9)/9 + (9 \times (((9+9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4540 &:= (1+1) \times ((1+1)^{11} + (1+1) \times 111) \\
&:= 2 \times (2^{22/2} + 222) \\
&:= 3 + (((3+3) \times (3^{3+3} + 3^3)) + 3/3) \\
&:= 444 + (4+4)^4 \\
&:= (5 \times ((5 - 5/5)^5 - 5)) - 555 \\
&:= 6 + (((6+6)/6)^{6+6}) + (6 \times (66+6)) + 6 \\
&:= 777 + (((7 - 77)/7) + 7 \times 7 \times 77) \\
&:= 8 + ((8888 / ((8+8)/8)) + 88) \\
&:= (9/9 + 9) \times ((9 \times 9 \times 99 - 9) / (9+9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4541 &:= 1 + ((1+1) \times ((1+1)^{11} + (1+1) \times 111)) \\
&:= 2/2 + (2 \times (2^{22/2} + 222)) \\
&:= (((3/3 + 3)^3) \times (((3+3)^3 - 3)/3)) - 3 \\
&:= 4/4 + (444 + (4+4)^4) \\
&:= 5 + ((5555 - (5 - 5/5)^5) + 5) \\
&:= 6 + ((6 \times (6 \times ((66 - 6) + 66))) - 6/6) \\
&:= 7777/7 + 7 \times 7 \times (77 - 7) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 + 8) - 8)) - (88/8)) \\
&:= (99999/9) - (9 \times 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4542 &:= (1+1) \times (1 + ((1+1)^{11} + (1+1) \times 111)) \\
&:= 2 + (2 \times (2^{22/2} + 222)) \\
&:= 3 + (((3+3) \times (3^{3+3} + 3^3)) + 3) \\
&:= 444 + ((4+4)^4 + (4+4)/4) \\
&:= 55/5 + (5555 - (5 - 5/5)^5) \\
&:= 6 + (6 \times (6 \times ((66 - 6) + 66))) \\
&:= 777 + (7 \times 7 \times 77 - (7/7 + 7)) \\
&:= (8 \times (8 \times (8 \times 8 + 8) - 8)) - (8+8)/8 \\
&:= ((99/9) \times (((9+9)/9)^9 - 99)) - 9/9
\end{aligned}$$

- 4543 := $1 + ((1 + 1) \times (1 + ((1 + 1)^{11} + (1 + 1) \times 111)))$
:= $2 + ((2 \times (2^{22/2} + 222)) + 2/2)$
:= $(3/3 + 3 + 3) \times (3 \times (3 + 3)^3 + 3/3)$
:= $4 + (((4 + 4)^4 - 4/4) + 444)$
:= $((5 + 5)/5 + 5) \times ((5^5 - 5)/5 + 5 \times 5)$
:= $6 + ((6 \times (6 \times ((66 - 6) + 66))) + 6/6)$
:= $7 \times (777 - ((7 + 7)/7)^7)$
:= $(8 \times (8 \times (8 \times 8 + 8) - 8)) - 8/8$
:= $99/9 \times (((9 + 9)/9)^9 - 99)$
- 4544 := $(1 + 1) \times ((1 + 1)^{11} + (1 + 1) \times (1 + 111))$
:= $2 \times ((2^{22/2} + 222) + 2)$
:= $((3/3 + 3)^3) \times (((3 + 3)^3 - 3)/3)$
:= $4 + (444 + (4 + 4)^4)$
:= $(5 - 5/5) \times (5555/5 + 5 \times 5)$
:= $((6 + 6)/6)^6 \times ((66 - 6/6) + 6)$
:= $7/7 + ((7 \times 7 \times 77 - 7) + 777)$
:= $8 \times (8 \times (8 \times 8 + 8) - 8)$
:= $9 + (((9 \times (((9 + 9)/9)^9 - 9)) - 9/9) + 9)$
- 4545 := $1 + ((1 + 1) \times ((1 + 1)^{11} + (1 + 1) \times (1 + 111)))$
:= $2/2 + (2 \times ((2^{22/2} + 222) + 2))$
:= $3 \times ((3 \times ((3 + 3) \times (3 \times 3^3 + 3))) + 3)$
:= $4 + ((444 + (4 + 4)^4) + 4/4)$
:= $5^5 + ((5 \times ((5 \times 55 + 5) + 5)) - 5)$
:= $(666/6 \times (6 \times 6 - 6/6 + 6)) - 6$
:= $(7 + 7)/7 + ((7 \times 7 \times 77 - 7) + 777)$
:= $8/8 + (8 \times (8 \times (8 \times 8 + 8) - 8))$
:= $9 + ((9 \times (((9 + 9)/9)^9 - 9)) + 9)$
- 4546 := $(1 + 1) \times (1 + ((1 + 1)^{11} + (1 + 1) \times (1 + 111)))$
:= $2 + (2 \times ((2^{22/2} + 222) + 2))$
:= $3 + ((3/3 + 3 + 3) \times (3 \times (3 + 3)^3 + 3/3))$
:= $4 + ((444 + (4 + 4)/4) + (4 + 4)^4)$
:= $5 + (((5555 - (5 - 5/5)^5) + 5) + 5)$
:= $66 + (((6 + 6)/6)^6 \times (((6 + 6)/6)^6 + 6))$
:= $7 + ((7 \times 7 \times 77 - (77/7)) + 777)$
:= $(8 + 8)/8 + (8 \times (8 \times (8 \times 8 + 8) - 8))$
:= $9 + (((9 \times (((9 + 9)/9)^9 - 9)) + 9/9) + 9)$
- 4547 := $111 + ((1 + 1) \times ((1 + 1) \times (1111 - (1 + 1))))$
:= $222/2 + (2 \times (2222 - (2 + 2)))$
:= $3 + (((3/3 + 3)^3) \times (((3 + 3)^3 - 3)/3))$
:= $4 + (((4 + 4)^4 - 4/4) + 444) + 4$
:= $5 + ((5555 - (5 - 5/5)^5) + (55/5))$
:= $66/6 + (6 \times (6 \times ((66 - 6) + 66)))$
:= $77 + ((7 \times (7 \times (77 + 7 + 7))) + (77/7))$
:= $88/8 + ((8/8 + 8) \times (8 \times 8 \times 8 - 8))$
:= $9 + ((9 \times (((9 + 9)/9)^9 - 9)) + (99/9))$
- 4548 := $(1 + 1) \times ((1 + 1)^{11} + (1 + 1) \times (1 + 1 + 111))$
:= $2 \times (((2^{22/2} + 222) + 2) + 2)$
:= $3 + (((3 + 3) \times (3^{3+3} + 3^3)) + 3 \times 3)$
:= $4 + ((444 + (4 + 4)^4) + 4)$
:= $5 + (((5 + 5)/5 + 5) \times ((5^5 - 5)/5 + 5 \times 5))$
:= $6 + ((6 \times (6 \times ((66 - 6) + 66))) + 6)$
:= $777 + (7 \times 7 \times 77 - ((7 + 7)/7))$
:= $(8/((8 + 8)/8)) + (8 \times (8 \times (8 \times 8 + 8) - 8))$
:= $9 + ((9 \times (((9 + 9)/9)^9 - 9)) + (99 + 9)/9)$
- 4549 := $111 + ((1 + 1) \times ((1 + 1) \times (1111 - 1)) - 1)$
:= $222/2 + ((2 \times (2222 - 2)) - 2)$
:= $((3/3 + 3) \times (3333/3 + 3^3)) - 3$
:= $4 + (((444 + (4 + 4)^4) + 4/4) + 4)$
:= $5^5 + ((5 \times ((5 \times 55 + 5) + 5)) - 5/5)$
:= $66 + (((66 + 6/6)^{(6+6)/6}) - 6)$
:= $777 + (7 \times 7 \times 77 - 7/7)$
:= $8 + (((8 \times (8 \times (8 \times 8 + 8) - 8)) - (88/8)) + 8)$
:= $((99 + 99)/9) + (9 \times (((9 + 9)/9)^9 - 9))$
- 4550 := $(11 - 1) \times (11 + ((1 + 1) \times (1 + 1) \times 111))$
:= $(22/2 + 2) \times ((22 \times 2^{2+2}) - 2)$
:= $3 + (3/3 + 3)^3 \times ((3 + 3)^3 - 3)/3 + 3$
:= $444 + ((44 - 4)/4 + (4 + 4)^4)$
:= $5^5 + (5 \times ((5 \times 55 + 5) + 5))$
:= $(66 - 6/6) \times (((6 + 6)/6)^6 + 6)$
:= $777 + 7 \times 7 \times 77$
:= $8 + ((8 \times (8 \times (8 \times 8 + 8) - 8)) - ((8 + 8)/8))$
:= $(99999/9) - 9 \times 9 \times 9 \times 9$
- 4551 := $111 \times (1 + ((1 + 1) \times ((1 + 1) \times (11 - 1))))$
:= $222/2 + (2 \times (2222 - 2))$
:= $(33 \times (333/3 + 3^3)) - 3$
:= $444 + (44/4 + (4 + 4)^4)$
:= $5^5 + ((5 \times ((5 \times 55 + 5) + 5)) + 5/5)$
:= $666/6 \times (6 \times 6 - 6/6 + 6)$
:= $7/7 + (7 \times 7 \times 77 + 777)$
:= $8 + ((8 \times (8 \times (8 \times 8 + 8) - 8)) - 8/8)$
:= $999/9 \times ((9 \times 9 \times 9 + 9)/(9 + 9))$
- 4552 := $1 + (111 \times (1 + ((1 + 1) \times ((1 + 1) \times (11 - 1))))$
:= $((2/2 + 2)^2 \times (22^2 + 22)) - 2$
:= $(3/3 + 3) \times (3333/3 + 3^3)$
:= $4 + (((444 + (4 + 4)^4) + 4) + 4)$
:= $5^5 + ((5 \times ((5 \times 55 + 5) + 5)) + ((5 + 5)/5))$
:= $66 + (((6 + 6)/6)^{6+6}) - 6 + 6 \times 66$
:= $(7 + 7)/7 + (7 \times 7 \times 77 + 777)$
:= $8 + (8 \times (8 \times (8 \times 8 + 8) - 8))$
:= $9 + ((99/9) \times (((9 + 9)/9)^9 - 99))$
- 4553 := $111 + ((1 + 1) \times (((1 + 1) \times 1111) - 1))$
:= $222/2 + ((2 \times 2222) - 2)$
:= $(33 \times (333/3 + 3^3)) - 3/3$
:= $44 + ((4^4 + 4)/4 + 4444)$
:= $55 + ((5 \times 5 \times 55 - ((5 + 5)/5)) + 5^5)$
:= $(66 \times (6 \times 6/(6 + 6) + 66)) - 6/6$
:= $((77 - 7/7) \times (77/7 + 7 \times 7)) - 7$
:= $8 + ((8 \times (8 \times (8 \times 8 + 8) - 8)) + 8/8)$
:= $9 + (((9 \times (((9 + 9)/9)^9 - 9)) - 9/9) + 9) + 9$
- 4554 := $111 + (((1 + 1) \times ((1 + 1) \times 1111)) - 1)$
:= $(2/2 + 2)^2 \times (22^2 + 22)$
:= $33 \times (333/3 + 3^3)$
:= $4444 + (444 - 4)/4$
:= $55 + ((5 \times 5 \times 55 - 5/5) + 5^5)$
:= $66 \times (6 \times 6/(6 + 6) + 66)$
:= $(7 - 7/7) \times (777 - (77/7 + 7))$
:= $8 + ((8 \times (8 \times (8 \times 8 + 8) - 8)) + ((8 + 8)/8))$
:= $9 + (((9 \times (((9 + 9)/9)^9 - 9)) + 9) + 9)$
- 4555 := $111 + ((1 + 1) \times ((1 + 1) \times 1111))$
:= $222/2 + (2 \times 2222)$
:= $3/3 + (33 \times (333/3 + 3^3))$
:= $4444 + 444/4$
:= $55 + (5 \times 5 \times 55 + 5^5)$
:= $66 + ((66 + 6/6)^{(6+6)/6})$
:= $7 + ((7 \times 7 \times 77 - ((7 + 7)/7)) + 777)$
:= $88/8 + (8 \times (8 \times (8 \times 8 + 8) - 8))$
:= $9 + (((9 \times (((9 + 9)/9)^9 - 9)) + 9/9) + 9) + 9$
- 4556 := $1 + (111 + ((1 + 1) \times ((1 + 1) \times 1111)))$
:= $2 + ((2/2 + 2)^2 \times (22^2 + 22))$
:= $3 + ((33 \times (333/3 + 3^3)) - 3/3)$
:= $4 \times 4 + (444 + (4 + 4)^4)$
:= $5 \times 5 + (5555 - (5 - 5/5)^5)$
:= $(66 + 6/6) \times (((6 + 6)/6) + 66)$
:= $7 + ((7 \times 7 \times 77 - 7/7) + 777)$
:= $((88 + 8)/8) + (8 \times (8 \times (8 \times 8 + 8) - 8))$
:= $9 + (((9 \times (((9 + 9)/9)^9 - 9)) + (99/9)) + 9)$
- 4557 := $111 + ((1 + 1) \times (1 + ((1 + 1) \times 1111)))$
:= $2 + ((2 \times 2222) + 222/2)$
:= $3 + (33 \times (333/3 + 3^3))$
:= $4 \times 4 + ((444 + (4 + 4)^4) + 4/4)$
:= $((5 + 5)/5 + 5) \times ((5^5 + 5)/5 + 5 \times 5)$
:= $6 + (666/6 \times (6 \times 6 - 6/6 + 6))$
:= $7 + (7 \times 7 \times 77 + 777)$
:= $(8 - 8/8) \times (8 \times (88 - 8) + (88/8))$
:= $999/9 + (9 \times (((9 + 9)/9)^9 - (9 + 9)))$

$$\begin{aligned}
\blacktriangleright 4558 &:= 1 + (111 + ((1 + 1) \times (1 + ((1 + 1) \times 1111)))) \\
&:= 22^2 + (2^{2 \times (2+2+2)} - 22) \\
&:= 3 + ((33 \times (333/3 + 3^3)) + 3/3) \\
&:= 4 + ((444 - 4)/4 + 4444) \\
&:= (555/5 - 5) \times (55 - ((55 + 5)/5)) \\
&:= 66 + (((6 + 6)/6)^{6+6} + 6 \times 66) \\
&:= 7 + ((7 \times 7 \times 77 + 777) + 7/7) \\
&:= (8 \times 8 - 88/8) \times (88 - ((8 + 8)/8)) \\
&:= 9 \times ((9 + 9)/9)^9 - ((9 \times 99 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4559 &:= 111 + ((1 + 1) \times ((1 + 1) \times (1 + 1111))) \\
&:= 222/2 + 2 \times (2222 + 2) \\
&:= (3 \times ((33 + 3 + 3)^{3-3/3}) - (3/3 + 3)) \\
&:= 4 + (4444 + 444/4) \\
&:= 5 + (((5 \times 5 \times 55 - 5/5) + 5^5) + 55) \\
&:= 6 + ((66 \times (6 \times 6/(6 + 6) + 66)) - 6/6) \\
&:= (7 \times 7 - (7 + 7)/7) \times (7 \times (7 + 7) - 7/7) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 + 8) - 8)) - 8/8) + 8) \\
&:= 9 + (9999/9) - 9 \times 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4560 &:= (11^{1+1} - 1) \times (1 + (111/(1 + 1 + 1))) \\
&:= 2 \times (((2 \times (22 + 2))^2) - (22 + 2)) \\
&:= (3 \times ((33 + 3 + 3)^{3-3/3}) - 3) \\
&:= 4 + ((444 + (4 + 4)^4) + 4 \times 4) \\
&:= 5 + ((5 \times 5 \times 55 + 5^5) + 55) \\
&:= 6 + (66 \times (6 \times 6/(6 + 6) + 66)) \\
&:= (77 - 7/7) \times (77/7 + 7 \times 7) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 + 8) - 8)) + 8) \\
&:= 9 + (999/9 \times ((9 \times 9 \times 9 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4561 &:= 1 + ((11^{1+1} - 1) \times (1 + (111/(1 + 1 + 1)))) \\
&:= (22/2)^2 + (2 \times (2222 - 2)) \\
&:= ((3 + 3) \times (3^{3+3} + 33)) - 33/3 \\
&:= 4 + (((444 + (4 + 4)^4) + 4 \times 4) + 4/4) \\
&:= 5 + (((5 \times 5 \times 55 + 5^5) + 55) + 5/5) \\
&:= 6 + (((66 + 6/6)^{(6+6)/6} + 66)) \\
&:= 77/7 + (7 \times 7 \times 77 + 777) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 + 8) - 8)) + 8/8) + 8) \\
&:= 9 + (((99/9) \times (((9 + 9)/9)^9 - 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4562 &:= 11 + (111 \times (1 + ((1 + 1) \times ((1 + 1) \times (11 - 1)))))) \\
&:= (2 \times (((2 \times (22 + 2))^2) - 22)) - 2 \\
&:= (3 \times ((33 + 3 + 3)^{3-3/3}) - 3/3) \\
&:= 4 + (((444 - 4)/4 + 4444) + 4) \\
&:= 5 + (((5 + 5)/5 + 5) \times ((5^5 + 5)/5 + 5 \times 5)) \\
&:= 6 + ((66 + 6/6) \times (((6 + 6)/6) + 66)) \\
&:= 777 + (7 \times 7 \times 77 + (77 + 7)/7) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 + 8) - 8)) + ((8 + 8)/8)) + 8) \\
&:= 999 + (((9 + 9) \times (99 + 99)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4563 &:= (1 + 1 + 1) \times ((1 + 1 + 1) \times (1 + 1 + 11))^{1+1} \\
&:= (2/2 + 2) \times ((2 \times (22 - 2) - 2/2)^2) \\
&:= 3 \times ((33 + 3 + 3)^{3-3/3}) \\
&:= 4 + ((4444 + 444/4) + 4) \\
&:= (5 \times (5 - 5/5)^5) - (555 + (5 + 5)/5) \\
&:= 6 + ((666/6 \times (6 \times 6 - 6/6 + 6)) + 6) \\
&:= (7 - 7/7 + 7) \times ((7 \times 7 \times 7 + 7/7) + 7) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 + 8) - 8)) + (88/8)) \\
&:= 999 + ((9 + 9) \times (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4564 &:= 1 + ((1 + 1 + 1) \times ((1 + 1 + 1) \times (1 + 1 + 11))^{1+1}) \\
&:= 2 \times (((2 \times (22 + 2))^2) - 22) \\
&:= 3/3 + (3 \times ((33 + 3 + 3)^{3-3/3})) \\
&:= 4^4 + (((4 + 4)^4 - 44) + 4^4) \\
&:= (5 \times (5 - 5/5)^5) - (555 + 5/5) \\
&:= (6 \times (66 + 6 + 6)) + (((6 + 6)/6)^{6+6}) \\
&:= 7 + ((7 \times 7 \times 77 + 777) + 7) \\
&:= 8 \times 8 \times (8 \times 8 + 8) - (88/(8 + 8)/8) \\
&:= ((9/9 + 9 + 9) + 9) \times (9 \times (9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4565 &:= 11^{1+1} + ((1 + 1) \times ((1 + 1) \times 1111)) \\
&:= (22/2)^2 + (2 \times 2222) \\
&:= 3 + ((3 \times ((33 + 3 + 3)^{3-3/3}) - 3/3) \\
&:= (4/4 + 4) \times (4 \times 4^4 - 444/4) \\
&:= (5 \times (5 - 5/5)^5) - 555 \\
&:= 6 \times 6 \times 6 + (66 \times 66 - (6/6 + 6)) \\
&:= ((7 \times 7 - 7/7) + 7) \times (77 - 7/7 + 7) \\
&:= 8 + ((8 - 8/8) \times (8 \times (88 - 8) + (88/8))) \\
&:= (((9 + 9)/9) + 9 \times 9) \times ((999 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4566 &:= 1 + (11^{1+1} + ((1 + 1) \times ((1 + 1) \times 1111))) \\
&:= 2 + (2 \times (((2 \times (22 + 2))^2) - 22)) \\
&:= 3 + (3 \times ((33 + 3 + 3)^{3-3/3})) \\
&:= 4444 + (444 + 44)/4 \\
&:= 5/5 + ((5 \times (5 - 5/5)^5) - 555) \\
&:= 6 \times 6 \times 6 + (66 \times 66 - 6) \\
&:= 7 + (7 \times 7 - (7 + 7)/7) \times (7 \times (7 + 7) - 7/7) \\
&:= 8 + ((8 \times 8 - 88/8) \times (88 - ((8 + 8)/8))) \\
&:= 999/9 + (9 \times ((9 + 9) \times (9 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4567 &:= 1111 + ((1 + 1) \times ((1 + 11)^{1+1+1})) \\
&:= 2 + ((2 \times 2222) + (22/2)^2) \\
&:= 3 + ((3 \times ((33 + 3 + 3)^{3-3/3}) + 3/3) \\
&:= 4 + (((4444 + 444/4) + 4) + 4) \\
&:= (5 + 5)/5 + ((5 \times (5 - 5/5)^5) - 555) \\
&:= 6/6 + ((66 \times 66 - 6) + 6 \times 6 \times 6) \\
&:= 7 + ((77 - 7/7) \times (77/7 + 7 \times 7)) \\
&:= 88 + ((8 \times 8 - 8) \times (88 - 8) - 8/8) \\
&:= 9 \times ((9 + 9)/9)^9 - ((9 \times 9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4568 &:= 1 + (1111 + ((1 + 1) \times ((1 + 11)^{1+1+1}))) \\
&:= 2 \times (((2 \times (22 + 2))^2) - 22) + 2) \\
&:= ((3 + 3) \times (3^{3+3} + 33)) - (3/3 + 3) \\
&:= 4444 + (4 \times 4 \times (4 + 4) - 4) \\
&:= 5^5 + (555/5 \times (55 + 5 + 5)/5) \\
&:= 6 + (((66 + 6/6) \times (((6 + 6)/6) + 66)) + 6) \\
&:= 7 + ((7 \times 7 \times 77 + 777) + (77/7)) \\
&:= 88 + (8 \times 8 - 8) \times (88 - 8) \\
&:= 9 \times ((9 + 9)/9)^9 + ((9 - 9 \times 9 \times 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4569 &:= 11^{1+1} + ((1 + 1) \times ((1 + 1) \times (1 + 1111))) \\
&:= (22/2)^2 + 2 \times (2222 + 2) \\
&:= ((3 + 3) \times (3^{3+3} + 33)) - 3 \\
&:= 44 + (4444 + (4 - 4/4)^4) \\
&:= 5 + ((5 \times (5 - 5/5)^5) - (555 + 5/5)) \\
&:= ((6 + 6) \times (6 \times 66 - 6)) - 666/6 \\
&:= (777 - 7)/7 + (7 \times (7 \times (77 + 7 + 7))) \\
&:= 8/8 + ((8 \times 8 - 8) \times (88 - 8) + 88) \\
&:= 9 \times (((9 + 9)/9)^9 + 9) - (999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4570 &:= (11 - 1) \times (11 + ((1 + 1) \times (1 + (1 + 1) \times 111))) \\
&:= 2 + (2 \times (((2 \times (22 + 2))^2) - 22) + 2)) \\
&:= 3/3 + (((3 + 3) \times (3^{3+3} + 33)) - 3) \\
&:= 4444 + ((4^4 - 4)/((4 + 4)/4)) \\
&:= 5 + ((5 \times (5 - 5/5)^5) - 555) \\
&:= 6 \times 6 \times 6 + (66 \times 66 - ((6 + 6)/6)) \\
&:= 777/7 + (7 \times (7 \times (77 + 7 + 7))) \\
&:= 88 + ((8 \times 8 - 8) \times (88 - 8) + ((8 + 8)/8)) \\
&:= 9 \times ((9 + 9)/9)^9 - ((99/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4571 &:= 1 + ((11 - 1) \times (11 + ((1 + 1) \times (1 + (1 + 1) \times 111)))) \\
&:= 2 + (2 \times (2222 + 2) + (22/2)^2) \\
&:= ((3 + 3) \times (3^{3+3} + 33)) - 3/3 \\
&:= 4 \times 4 + (4444 + 444/4) \\
&:= (5/5 + 5)^5 - ((55 + 5^5) + 5 \times 5) \\
&:= 6 \times 6 \times 6 + (66 \times 66 - 6/6) \\
&:= (77 \times (77/7 + 7 \times 7)) - 7 \times 7 \\
&:= 8 + (((8 \times (8 \times (8 \times 8 + 8) - 8)) + (88/8)) + 8) \\
&:= 9 \times ((9 + 9)/9)^9 - (((99/9 + 9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4572 &:= (1 + 11) \times (11 + ((1111 - 1)/(1 + 1 + 1))) \\
&:= 2 \times (2^{2+2+2} + 2222) \\
&:= (3 + 3) \times (3^{3+3} + 33) \\
&:= 4444 + 4 \times 4 \times (4 + 4) \\
&:= (55/5 + 5 \times 5) \times (5 \times 5 \times 5 + ((5 + 5)/5)) \\
&:= 6 \times 6 \times 6 + 66 \times 66 \\
&:= (7 - 7/7) \times (777 - (7/7 + 7 + 7)) \\
&:= 8 \times (8 + 8) + (8888/(8 + 8)/8) \\
&:= 9 \times (((9 \times 999 - 9)/(9 + 9)) + 9)
\end{aligned}$$

- **4573** := $1 + ((1 + 11) \times (11 + ((1111 - 1)/(1 + 1 + 1))))$
:= $2/2 + (2 \times (2^{2+2+2} + 2222))$
:= $3/3 + ((3 + 3) \times (3^{3+3} + 33))$
:= $4/4 + (4444 + 4 \times 4 \times (4 + 4))$
:= $((55 + 5)/5 + 5) \times (5 \times 55 - (5/5 + 5))$
:= $6/6 + (66 \times 66 + 6 \times 6 \times 6)$
:= $((7 - 7/7) \times (777 - ((7 + 7)/7))) - 77$
:= $8 \times 8 + (8/8 + 8) \times (8 \times 8 \times 8 - 88/8)$
:= $9 + (((9/9 + 9 + 9) + 9) \times (9 \times (9 + 9) + 9/9))$
- **4574** := $11 + ((1 + 1 + 1) \times ((1 + 1 + 1) \times (1 + 1 + 11))^{1+1})$
:= $2 + (2 \times (2^{2+2+2} + 2222))$
:= $3 + (((3 + 3) \times (3^{3+3} + 33)) - 3/3)$
:= $4444 + ((4^4 + 4)/((4 + 4)/4))$
:= $((5 + 5 + 5) \times (5 \times (55 + 5) + 5)) - 5/5$
:= $6 \times 6 \times 6 + (66 \times 66 + ((6 + 6)/6))$
:= $7 + (((77 - 7/7) \times (77/7 + 7 \times 7)) + 7)$
:= $(88 \times ((88/((8 + 8)/8)) + 8)) - (8 + 8)/8$
:= $9 + (((9 + 9)/9) + 9 \times 9) \times ((999 - 9)/(9 + 9))$
- **4575** := $((11 + (11 - 1))^{1+1+1} - 111)/(1 + 1)$
:= $22/2 + (2 \times (((2 \times (22 + 2))^2) - 22))$
:= $3 + ((3 + 3) \times (3^{3+3} + 33))$
:= $(4 + 4)^4 + (((44 \times 44 - 4)/4) - 4)$
:= $(5 + 5 + 5) \times (5 \times (55 + 5) + 5)$
:= $6 + (((6 + 6) \times (6 \times 66 - 6)) - 666/6)$
:= $(7/7 + 7 + 7) \times (7 \times (7 \times 7 - 7) + (77/7))$
:= $(88 \times ((88/((8 + 8)/8)) + 8)) - 8/8$
:= $9 \times ((9 + 9)/9)^9 - (99/((9 + 9 + 9)/9))$
- **4576** := $11 \times ((1 + 1 + 11) \times ((11 \times (1 + 1 + 1)) - 1))$
:= $2 \times (2 \times (2 \times (22 \times (22 + 2 + 2))))$
:= $3 + (((3 + 3) \times (3^{3+3} + 33)) + 3/3)$
:= $44 \times ((44 + 44) + 4 \times 4)$
:= $5/5 + ((5 + 5 + 5) \times (5 \times (55 + 5) + 5))$
:= $6 + ((66 \times 66 - ((6 + 6)/6)) + 6 \times 6 \times 6)$
:= $((7 + 7) \times (7 \times 7 \times 7 - 7)) - ((7 + 7)/7)^7$
:= $88 \times ((88/((8 + 8)/8)) + 8)$
:= $9 \times 9 + ((9 \times 999 - 9/9)/(9 + 9)/9)$
- **4577** := $1 + (11 \times ((1 + 1 + 11) \times ((11 \times (1 + 1 + 1)) - 1)))$
:= $(22 + 2/2) \times (((22 - 2)^2 - 2)/2)$
:= $(33/3 + 3 + 3)^3 - (333 + 3)$
:= $4/4 + ((4 + 4) \times 444 + 4 \times 4^4)$
:= $(5 + 5)/5 + ((5 + 5 + 5) \times (5 \times (55 + 5) + 5))$
:= $6 + ((66 \times 66 - 6/6) + 6 \times 6 \times 6)$
:= $((7 - 7/7) \times (777 - (7 + 7))) - 7/7$
:= $8/8 + (88 \times ((88/((8 + 8)/8)) + 8))$
:= $9 \times 9 + ((9 \times 999 + 9/9)/(9 + 9)/9)$
- **4578** := $(1 + 1) \times ((11 + (11 - 1)) \times (111 - 1 - 1))$
:= $222 + (2^{2+2+2} + 2)^2$
:= $3 + (((3 + 3) \times (3^{3+3} + 33)) + 3)$
:= $(4 + 4)^4 + ((44 \times 44 - (4 + 4))/4)$
:= $5^5 + (((5/5 + 5) \times ((5 - (5 + 5)/5)^5)) - 5)$
:= $6 + (66 \times 66 + 6 \times 6 \times 6)$
:= $(7 - 7/7) \times (777 - (7 + 7))$
:= $(8 + 8)/8 + (88 \times ((88/((8 + 8)/8)) + 8))$
:= $9 \times (((9 + 9)/9)^9 + 9) - 999/9$
- **4579** := $((1 + 1)^{1+1+1}) + (((11 + 11)^{1+1}) - 1)$
:= $22^2 + (2^{2 \times (2+2+2)} - 2/2)$
:= $3 + (((3 + 3) \times (3^{3+3} + 33)) + 3/3 + 3)$
:= $(4 + 4)^4 + ((44 \times 44 - 4)/4)$
:= $5 + (((5 + 5 + 5) \times (5 \times (55 + 5) + 5)) - 5/5)$
:= $6 + ((66 \times 66 + 6 \times 6 \times 6) + 6/6)$
:= $7/7 + ((7 - 7/7) \times (777 - (7 + 7)))$
:= $88 + ((8 \times 8 - 8) \times (88 - 8) + (88/8))$
:= $9 \times ((9 + 9)/9)^9 - (99/9 + 9 + 9)$
- **4580** := $((1 + 1)^{1+1+1}) + ((11 + 11)^{1+1})$
:= $22^2 + 2^{2 \times (2+2+2)}$
:= $(33/3 + 3 + 3)^3 - 333$
:= $(4 + 4)^4 + (44 \times 44/4)$
:= $5 + ((5 + 5 + 5) \times (5 \times (55 + 5) + 5))$
:= $6 + ((66 \times 66 + 6 \times 6 \times 6) + ((6 + 6)/6))$
:= $(7 + 7)/7 + ((7 - 7/7) \times (777 - (7 + 7)))$
:= $8 \times 8 \times 8 \times 8 + 88 \times 88/(8 + 8)$
:= $9 \times ((9 + 9)/9)^9 - ((9/9 + 9 + 9) + 9)$
- **4581** := $1 + (((1 + 1)^{1+1+1}) + ((11 + 11)^{1+1}))$
:= $2/2 + (2^{2 \times (2+2+2)} + 22^2)$
:= $3 \times (3 \times (((3 - 3/3)^{3 \times 3}) - 3))$
:= $(4 + 4)^4 + ((44 \times 44 + 4)/4)$
:= $5^5 + ((5 \times 5 + 5/5) \times (55 + 5/5))$
:= $6 + (((6 + 6) \times (6 \times 66 - 6)) - 666/6 + 6)$
:= $7 \times 7 \times 7 \times 7 + (((7 + 7 + 7)/7)^7 - 7)$
:= $(8/8 + 8) \times ((8 \times 8 \times 8 - 88/8) + 8)$
:= $9 \times ((9 + 9)/9)^9 - (9 + 9 + 9)$
- **4582** := $1 + (1 + (((1 + 1)^{1+1+1}) + ((11 + 11)^{1+1})))$
:= $2 + (2^{2 \times (2+2+2)} + 22^2)$
:= $3/3 + (3 \times (3 \times (((3 - 3/3)^{3 \times 3}) - 3)))$
:= $(4 + 4)^4 + (((44 \times 44 + 4) + 4)/4)$
:= $5 + (((5 + 5 + 5) \times (5 \times (55 + 5) + 5)) + ((5 + 5)/5))$
:= $6 \times 6 \times 6 + (((66 - 6)/6) + 66 \times 66)$
:= $((7 + 7)/7 + 77) \times (((7 + 7)/7 + 7 \times 7) + 7)$
:= $((8/8 + 8) \times (8 \times 8 \times 8 - ((8 + 8)/8))) - 8$
:= $9/9 + (9 \times ((9 + 9)/9)^9 - (9 + 9 + 9))$
- **4583** := $1 + (1 + (1 + (((1 + 1)^{1+1+1}) + ((11 + 11)^{1+1}))))$
:= $2 + ((2^{2 \times (2+2+2)} + 22^2) + 2/2)$
:= $3 + ((33/3 + 3 + 3)^3 - 333)$
:= $4 + (((44 \times 44 - 4)/4) + (4 + 4)^4)$
:= $5^5 + (((5/5 + 5) \times ((5 - (5 + 5)/5)^5)) - 5)$
:= $6 \times 6 \times 6 + (66 \times 66 + (66/6))$
:= $7 + (((7 + 7) \times (7 \times 7 \times 7 - 7)) - ((7 + 7)/7)^7)$
:= $8 \times 8 \times (8 \times 8 + 8) - (8/8 + 8 + 8)$
:= $(9 + 9)/9 + (9 \times ((9 + 9)/9)^9 - (9 + 9 + 9))$
- **4584** := $(1 + 1) \times ((1 + 1)^{1+1}) + ((1 + 1) \times (1 + 11^{1+1}))$
:= $2 \times (2 \times ((2 \times ((22 + 2)^2) - 2)) - 2)$
:= $3 + (3 \times (3 \times (((3 - 3/3)^{3 \times 3}) - 3)))$
:= $44 + (444 + (4 + 4)^4)$
:= $5 + (((5 + 5 + 5) \times (5 \times (55 + 5) + 5)) - 5/5 + 5)$
:= $6 + ((66 \times 66 + 6 \times 6 \times 6) + 6)$
:= $(7 - 7/7) \times ((777 - (7 + 7)) + 7/7)$
:= $8 \times 8 \times (8 \times 8 + 8) - 8 - 8 - 8$
:= $9 + (9 \times ((9 + 9)/9)^9 - (99/((9 + 9 + 9)/9)))$
- **4585** := $((11 \times (1 + 11)) - 1) \times (1 + (1 + 11 \times (1 + 1 + 1)))$
:= $2 \times ((2 \times (22 + 2))^2) - 22 - 2/2$
:= $3 + ((3 \times (3 \times (((3 - 3/3)^{3 \times 3}) - 3))) + 3/3)$
:= $4 + (((44 \times 44 + 4)/4) + (4 + 4)^4)$
:= $5 + (((5 + 5 + 5) \times (5 \times (55 + 5) + 5)) + 5)$
:= $(6/6 + 6) \times (666 - 66/6)$
:= $((7 - 7/7) \times 777) - 77$
:= $8/8 + (8 \times 8 \times (8 \times 8 + 8) - (8 + 8 + 8))$
:= $9 \times ((9 + 9)/9)^9 - (99 + 99 + 9)/9$
- **4586** := $(1 + 1) \times (((1 + 1) \times ((1 + 1) \times (1 + 11)))^{1+1}) - 11$
:= $2 \times ((2 \times (22 + 2))^2) - 22$
:= $3 + (((33/3 + 3 + 3)^3 - 333) + 3)$
:= $((4^4 - 4/4) \times ((4 + 4)/4 + 4 \times 4)) - 4$
:= $55 + (5555 - (5 - 5/5)^5)$
:= $6 \times 6 + ((66 - 6/6) \times (((6 + 6)/6)^6 + 6))$
:= $7/7 + (((7 - 7/7) \times 777) - 77)$
:= $8 \times 8 \times (8 \times 8 + 8) - (88 + 88)/8$
:= $9 \times ((9 + 9)/9)^9 - ((99 + 99)/9)$
- **4587** := $11 \times ((11 \times (1 + (111/(1 + 1 + 1)))) - 1)$
:= $2/2 + 2 \times ((2 \times (22 + 2))^2) - 22$
:= $3 \times (33 \times (3 + 3) + (33/3)^3)$
:= $4 + (((44 \times 44 - 4)/4) + (4 + 4)^4) + 4$
:= $55/5 \times ((5^5 + 5^5 + 5)/(5 + 5 + 5))$
:= $6 \times 6 + (666/6 \times (6 \times 6 - 6/6 + 6))$
:= $((7 + 7)/7)^7 + (7 \times (7 \times (77 + 7 + 7)))$
:= $88/8 + (88 \times ((88/((8 + 8)/8)) + 8))$
:= $9 \times ((9 + 9)/9)^9 - ((99 + 9)/9 + 9)$

$$\begin{aligned}
\blacktriangleright 4588 &:= 1 + (11 \times ((11 \times (1 + (111/(1+1+1)))) - 1)) \\
&:= 2 + ((2 \times ((2 \times (22+2))^2)) - 22) \\
&:= 3/3 + (((3+3) \times 3^{3+3}) - 3) + (3+3)^3 \\
&:= 4 + ((444 + (4+4)^4) + 44) \\
&:= ((5+5)/5)^5 + 5 \times (5 \times 5 \times 5 - 5/5) \\
&:= (((6+6)/6) + 66)^{(6+6)/6} - 6 \times 6 \\
&:= 7 \times 7 \times 7 \times 7 + ((7+7+7)/7)^7 \\
&:= 8 \times 8 \times (8 \times 8 + 8) - ((88+8)/8+8) \\
&:= 9 \times ((9+9)/9)^9 - (99/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4589 &:= (1+1)^{11} + (11 \times (11 \times (11 + (11-1)))) \\
&:= 2 + (((2 \times (2 \times (22+2))^2)) - 22) + 2/2 \\
&:= (3+3)^3 + (((3+3) \times 3^{3+3}) - 3/3) \\
&:= 4^4 + (4444 - 444/4) \\
&:= 5^5 + ((5 \times 5 - 5/5) \times ((55+5/5) + 5)) \\
&:= (6 \times (((6 \times 6/(6+6))^6) + 6 \times 6)) - 6/6 \\
&:= ((7-7/7) \times (777 - (77/7))) - 7 \\
&:= 8 \times 8 \times (8 \times 8 + 8) - (88/8+8) \\
&:= 9 \times ((9+9)/9)^9 - (9/9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4590 &:= (11-1-1) \times ((1+1)^{11-1-1} - (1+1)) \\
&:= (2 \times ((2 \times (22+2))^2) + 2) - 22 \\
&:= (3+3) \times ((3^{3+3} + 33) + 3) \\
&:= (4^4 - 4/4) \times ((4+4)/4 + 4 \times 4) \\
&:= (5 \times 55 - 5) \times ((55+5/5) + 5) \\
&:= 6 \times (((6 \times 6/(6+6))^6) + 6 \times 6) \\
&:= (7-7/7) \times (777 - (77+7)/7) \\
&:= (8/8+8) \times (8 \times 8 \times 8 - ((8+8)/8)) \\
&:= 9 \times ((9+9)/9)^9 - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4591 &:= 1 + ((11-1-1) \times ((1+1)^{11-1-1} - (1+1))) \\
&:= (2 \times (2 \times (2 \times ((22+2)^2) - 2))) - 2/2 \\
&:= 3/3 + (((3+3) \times 3^{3+3}) + (3+3)^3) \\
&:= 4^4 + ((4 \times 4 + 4/4) \times (4^4 - 4/4)) \\
&:= (5/5+5)^5 - (55+5^5+5) \\
&:= 6 + ((6/6+6) \times (666 - 66/6)) \\
&:= 7 \times 777 - ((77 \times 77 + 7)/7) \\
&:= 8 \times 8 \times (8 \times 8 + 8) - (8/8+8+8) \\
&:= 9/9 + (9 \times ((9+9)/9)^9 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4592 &:= (1+111) \times (1 + ((1+1) \times ((1+1) \times (11-1)))) \\
&:= 2 \times (2 \times (2 \times ((22+2)^2) - 2)) \\
&:= 3 + (((3+3) \times 3^{3+3}) - 3/3) + (3+3)^3 \\
&:= 4 \times (4 \times 4 + 44 + 444) \\
&:= 5/5 + ((5/5+5)^5 - (55+5^5+5)) \\
&:= (6/6+6) \times (((6-66)/6) + 666) \\
&:= 7 + (((7-7/7) \times 777) - 77) \\
&:= 8 \times 8 \times (8 \times 8 + 8) - 8 - 8 \\
&:= (9+9)/9 + (9 \times ((9+9)/9)^9 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4593 &:= 1 + ((1+111) \times (1 + ((1+1) \times ((1+1) \times (11-1)))) \\
&:= 2/2 + (2 \times (2 \times (2 \times ((22+2)^2) - 2))) \\
&:= 3 + (((3+3) \times 3^{3+3}) + (3+3)^3) \\
&:= 4/4 + 4 \times (4 \times 4 + 44 + 444) \\
&:= 5 + (((5+5)/5)^5 + 5) \times (5 \times 5 \times 5 - 5/5) \\
&:= ((6/6+6) \times (666+6)) - 666/6 \\
&:= 7 \times 777 + ((7-77 \times 77)/7) \\
&:= 8/8 + (8 \times 8 \times (8 \times 8 + 8) - (8+8)) \\
&:= ((9+9+9)/9) + (9 \times ((9+9)/9)^9 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4594 &:= 1 + (1 + ((1+111) \times (1 + ((1+1) \times ((1+1) \times (11-1)))) \\
&:= 2 + (2 \times (2 \times (2 \times ((22+2)^2) - 2))) \\
&:= 3 + (((3+3) \times 3^{3+3}) + (3+3)^3) + 3/3 \\
&:= 4 + ((4^4 - 4/4) \times ((4+4)/4 + 4 \times 4)) \\
&:= 5^5 + (5 \times (5 \times (55+5) - 5) - (5/5+5)) \\
&:= 6 + (((6+6)/6) + 66)^{(6+6)/6} - 6 \times 6 \\
&:= 7 + ((7 \times (7 \times (77+7+7))) + ((7+7)/7)^7) \\
&:= (8+8)/8 + (8 \times 8 \times (8 \times 8 + 8) - (8+8)) \\
&:= 99 + ((9 \times 999 - 9/9)/(9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4595 &:= 111 + ((1+1) \times ((1+1) \times (11 + (1111-1)))) \\
&:= (2 \times ((2 \times (22+2))^2)) - (22/2+2) \\
&:= (33/3)^3 + ((3 \times 33 \times 33) - 3) \\
&:= 4 + (((4 \times 4 + 4/4) \times (4^4 - 4/4)) + 4^4) \\
&:= 5^5 + (5 \times (5 \times (55+5) - 5) - 5) \\
&:= ((6/6+6) \times 666) - (66+6/6) \\
&:= 7 + (((7+7+7)/7)^7 + 7 \times 7 \times 7) \\
&:= 8 \times 8 \times (8 \times 8 + 8) - (88+8+8)/8 \\
&:= 9 \times ((9+9)/9)^9 - (99+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4596 &:= (1+1) \times ((11 \times (11 \times (((1+1) \times (11-1)) - 1))) - 1) \\
&:= 2 \times (2 \times (2 \times ((22+2)^2) - 2)) + 2 \\
&:= (3 \times ((3 \times ((3-3/3)^{3 \times 3}) - 3)) - 3) - 3 \\
&:= 4 + 4 \times (4 \times 4 + 44 + 444) \\
&:= (5/5+5)^5 - (55+5^5) \\
&:= ((6/6+6) \times 666) - 66 \\
&:= (7-7/7) \times (777 - (77/7)) \\
&:= 8 \times 8 \times (8 \times 8 + 8) - (88+8)/8 \\
&:= 9 \times ((9+9)/9)^9 - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4597 &:= ((11-1-1) \times (1+1))^{11-1-1} - 11 \\
&:= (2 \times ((2 \times (22+2))^2)) - 22/2 \\
&:= (3 \times (3 \times ((3-3/3)^{3 \times 3})) - 33/3) \\
&:= 4^4 + (((4+4)^4 - 44/4) + 4^4) \\
&:= 5/5 + ((5/5+5)^5 - (55+5^5)) \\
&:= 6/6 + (((6/6+6) \times 666) - 66) \\
&:= 7 + ((7-7/7) \times (777 - (77+7)/7)) \\
&:= 8 \times 8 \times (8 \times 8 + 8) - 88/8 \\
&:= 9 \times ((9+9)/9)^9 - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4598 &:= 11 \times (11 \times (1 + (111/(1+1+1)))) \\
&:= 22 \times (222 - (22/2+2)) \\
&:= (33/3)^3 + (3 \times 33 \times 33) \\
&:= 4 + (((4^4 - 4/4) \times ((4+4)/4 + 4 \times 4)) + 4) \\
&:= 5^5 + (5 \times (5 \times (55+5) - 5) - ((5+5)/5)) \\
&:= ((6/6+6) \times 666) - ((6+6)/6)^6 \\
&:= 777 + ((7 \times (7 \times 77 + 7)) - 7/7) \\
&:= (8-88)/8 + 8 \times 8 \times (8 \times 8 + 8) \\
&:= 9 \times ((9+9)/9)^9 - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4599 &:= (11-1-1) \times ((1+1)^{11-1-1} - 1) \\
&:= 2 + ((2 \times ((2 \times (22+2))^2)) - 22/2) \\
&:= 3 \times ((3 \times ((3-3/3)^{3 \times 3}) - 3) \\
&:= 44 + (4444 + 444/4) \\
&:= 5^5 + (5 \times (5 \times (55+5) - 5) - 5/5) \\
&:= (6/6+6) \times (((6-66) + 6)/6) + 666 \\
&:= 777 + (7 \times (7 \times 77 + 7)) \\
&:= (8/8+8) \times (8 \times 8 \times 8 - 8/8) \\
&:= 9 \times ((9+9)/9)^9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4600 &:= 1 + ((11-1-1) \times ((1+1)^{11-1-1} - 1)) \\
&:= 2 \times (2 \times (2 \times ((22+2)^2) - 2)) \\
&:= 3/3 + (3 \times ((3 \times ((3-3/3)^{3 \times 3}) - 3)) \\
&:= (44-4) \times (444/4+4) \\
&:= 5^5 + 5 \times (5 \times (55+5) - 5) \\
&:= (6+6) \times (6 \times 6 + 6) + (((6+6)/6)^{6+6}) \\
&:= 7/7 + ((7 \times (7 \times 77 + 7)) + 777) \\
&:= 8 \times 8 \times (8 \times 8 + 8) - 8 \\
&:= 9/9 + (9 \times ((9+9)/9)^9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4601 &:= (1+1)^{11} + (111 \times (1 + (11+11))) \\
&:= 2/2 + (2 \times (2 \times (2 \times ((22+2)^2) - 2))) \\
&:= 3 + ((3 \times 33 \times 33) + (33/3)^3) \\
&:= (44-4/4) \times (444/4-4) \\
&:= 5 + ((5/5+5)^5 - (55+5^5)) \\
&:= (6 \times ((6+6) \times ((6+6)/6)^6) - 6/6 - 6) \\
&:= (7+7)/7 + ((7 \times (7 \times 77 + 7)) + 777) \\
&:= 8/8 + (8 \times 8 \times (8 \times 8 + 8) - 8) \\
&:= (9+9)/9 + (9 \times ((9+9)/9)^9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4602 &:= 1 + ((1+1)^{11} + (111 \times (1 + (11+11)))) \\
&:= (2 \times ((2 \times (22+2))^2) - 2) - 2 \\
&:= 3 + (3 \times ((3 \times ((3-3/3)^{3 \times 3}) - 3)) \\
&:= 4/4 + ((44-4/4) \times (444/4-4)) \\
&:= 5 + (((5/5+5)^5 - (55+5^5)) + 5/5) \\
&:= (6 \times ((6+6) \times ((6+6)/6)^6) - 6) \\
&:= (7-7/7) \times (((7-77)/7) + 777) \\
&:= (8+8)/8 + (8 \times 8 \times (8 \times 8 + 8) - 8) \\
&:= ((9+9+9)/9) + (9 \times ((9+9)/9)^9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4603 &:= (((11-1-1) \times ((1+1)^{11-1} - 1)) - 1) / (1+1) \\
&:= (2 \times ((2 \times (22+2))^2) - 2) - 2/2 \\
&:= 3 + ((3 \times ((3 \times ((3-3/3)^{3 \times 3})) - 3)) + 3/3) \\
&:= 4^4 + (((4+4)^4 - (4/4+4)) + 4^4) \\
&:= 5 + ((5 \times (5 \times (55+5) - 5) - ((5+5)/5)) + 5^5) \\
&:= 6/6 + ((6 \times ((6+6) \times ((6+6)/6)^6)) - 6) \\
&:= 7 + ((7-7/7) \times (777 - (77/7))) \\
&:= 88/8 + (8 \times 8 \times (8 \times 8 + 8) - (8+8)) \\
&:= ((9-99)/(9+9)) + 9 \times ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4608 &:= (11-1-1) \times (1+1)^{11-1-1} \\
&:= 2 \times ((2 \times (22+2))^2) \\
&:= 3 \times (3 \times ((3-3/3)^{3 \times 3})) \\
&:= 4 \times (4 \times (4 \times (4+4) + 4^4)) \\
&:= (5/5+5) \times ((5 \times 5 - 5/5) \times ((5+5)/5)^5) \\
&:= 6 \times ((6+6) \times ((6+6)/6)^6) \\
&:= (7+7)/7 + ((7+7) \times (7 \times 7 \times 7 - 7 - 7)) \\
&:= 8 \times 8 \times (8 \times 8 + 8) \\
&:= 9 \times ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4613 &:= (((1+1) \times (1+11 \times (1+1+1)))^{1+1}) - 11 \\
&:= 2/2 + (2 \times (((2 \times (22+2))^2) + 2)) \\
&:= 3 + (((3 \times (3 \times ((3-3/3)^{3 \times 3})) - 3/3) + 3) \\
&:= 4 + (((4+4)^4 + 4^4) + 4/4) \\
&:= 5^5 + ((5/5+5) \times (((5-5+5)/5)^5) + 5) \\
&:= (6/6+6) \times (666 - 6/6 - 6) \\
&:= 7 + ((7+7) \times (7 \times 7 \times 7 - 7 - 7)) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 + 8) - (88/8)) + 8) \\
&:= 9 \times ((9+9)/9)^9 + ((9 \times 9 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4604 &:= (1+1) \times (((1+1) \times ((1+1) \times (1+11)))^{1+1}) - (1+1) \\
&:= 2 \times (((2 \times (22+2))^2) - 2) \\
&:= (3 \times (3 \times ((3-3/3)^{3 \times 3})) - (3/3+3)) \\
&:= 4^4 + (((4+4)^4 - 4) + 4^4) \\
&:= 5 + ((5 \times (5 \times (55+5) - 5) - 5/5) + 5^5) \\
&:= 6 + (((6/6+6) \times 666) - ((6+6)/6)^6) \\
&:= ((7+7) \times (7 \times 7 \times 7 - 7 - 7)) - (7+7)/7 \\
&:= 8 \times 8 \times (8 \times 8 + 8) - (8/((8+8)/8)) \\
&:= ((9-9 \times 9)/(9+9)) + 9 \times ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4609 &:= 1 + ((11-1-1) \times (1+1)^{11-1-1}) \\
&:= 2/2 + (2 \times ((2 \times (22+2))^2)) \\
&:= 3/3 + (3 \times (3 \times ((3-3/3)^{3 \times 3})) \\
&:= 4/4 + (((4+4)^4 + 4^4) + 4^4) \\
&:= 5^5 + ((5 \times 5 \times (55+5)) - (55/5+5)) \\
&:= 6/6 + (6 \times ((6+6) \times ((6+6)/6)^6)) \\
&:= 77/7 \times ((7 \times 7 \times 7 - 7/7) + 77) \\
&:= 8/8 + 8 \times 8 \times (8 \times 8 + 8) \\
&:= 9/9 + 9 \times ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4614 &:= 1 + (((1+1) \times (1+11 \times (1+1+1)))^{1+1}) - 11 \\
&:= 2 + (2 \times (((2 \times (22+2))^2) + 2)) \\
&:= 3 + ((3 \times (3 \times ((3-3/3)^{3 \times 3})) + 3) \\
&:= 4 + (((4+4)^4 + (4+4)/4) + 4^4) + 4^4 \\
&:= 5^5 + ((5 \times 5 \times (55+5)) - (55/5)) \\
&:= 6 + (6 \times ((6+6) \times ((6+6)/6)^6)) \\
&:= (7-7/7) \times (777 - (7/7+7)) \\
&:= 8 + (8 \times 8 \times (8 \times 8 + 8) - ((8+8)/8)) \\
&:= 9 + (9 \times ((9+9)/9)^9 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4605 &:= (1+1+1) \times (((1+1+1) \times (1+1)^{11-1-1}) - 1) \\
&:= 2/2 + (2 \times (((2 \times (22+2))^2) - 2)) \\
&:= (3 \times (3 \times ((3-3/3)^{3 \times 3})) - 3) \\
&:= 4 + ((44-4/4) \times (444/4-4)) \\
&:= 5 + (5 \times (5 \times (55+5) - 5) + 5^5) \\
&:= (6 \times (66 \times (6+6) - 6)) - 666/6 \\
&:= ((7+7) \times (7 \times 7 \times 7 - 7 - 7)) - 7/7 \\
&:= 8 + (8 \times 8 \times (8 \times 8 + 8) - (88/8)) \\
&:= 9 \times ((9+9)/9)^9 - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4610 &:= 1 + (1 + ((11-1-1) \times (1+1)^{11-1-1})) \\
&:= 2 + (2 \times ((2 \times (22+2))^2)) \\
&:= 3 + ((3 \times (3 \times ((3-3/3)^{3 \times 3})) - 3/3) \\
&:= 4^4 + (((4+4)^4 + (4+4)/4) + 4^4) \\
&:= 5^5 + (55 \times ((5+5)/5 + 5 \times 5)) \\
&:= (6+6)/6 + (6 \times ((6+6) \times ((6+6)/6)^6)) \\
&:= 7 + (((7-7/7) \times (777 - (77/7))) + 7) \\
&:= (8+8)/8 + 8 \times 8 \times (8 \times 8 + 8) \\
&:= (9+9)/9 + 9 \times ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4615 &:= ((11-1-1) \times (1 + (1+1)^{11-1-1})) - 1 - 1 \\
&:= 2 + ((2 \times (((2 \times (22+2))^2) + 2)) + 2/2) \\
&:= 3 + (((3 \times (3 \times ((3-3/3)^{3 \times 3})) + 3/3) + 3) \\
&:= 4 \times 44 + (4444 - (4/4+4)) \\
&:= 5^5 + ((5 \times 5 \times (55+5)) - (5+5)) \\
&:= (6/6-66) \times (6/6 - (66+6)) \\
&:= 7 + (((7+7) \times (7 \times 7 \times 7 - 7 - 7)) + ((7+7)/7)) \\
&:= 8 + (8 \times 8 \times (8 \times 8 + 8) - 8/8) \\
&:= 9 + (9 \times ((9+9)/9)^9 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4606 &:= (1+1) \times (((1+1) \times ((1+1) \times (1+11)))^{1+1}) - 1 \\
&:= (2 \times ((2 \times (22+2))^2) - 2) \\
&:= 3/3 + ((3 \times (3 \times ((3-3/3)^{3 \times 3})) - 3) \\
&:= 4^4 + (((4+4)^4 - (4+4)/4) + 4^4) \\
&:= 5 + (((5/5+5)^5 - (55+5^5)) + 5) \\
&:= (6/6+6) \times (666 - ((6+6)/6+6)) \\
&:= (7+7) \times (7 \times 7 \times 7 - 7 - 7) \\
&:= 8 \times 8 \times (8 \times 8 + 8) - (8+8)/8 \\
&:= 9 \times ((9+9)/9)^9 - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4611 &:= 1 + (1 + (1 + ((11-1-1) \times (1+1)^{11-1-1}))) \\
&:= 2 + ((2 \times ((2 \times (22+2))^2) + 2/2) \\
&:= 3 + (3 \times (3 \times ((3-3/3)^{3 \times 3})) \\
&:= 4 + (((4+4)^4 - 4/4) + 4^4) + 4^4 \\
&:= 5^5 + (5 \times 5 \times 55 + 555/5) \\
&:= 6 + ((6 \times (66 \times (6+6) - 6)) - 666/6) \\
&:= 7 + (((7+7) \times (7 \times 7 \times 7 - 7 - 7)) - ((7+7)/7)) \\
&:= 88/8 + (8 \times 8 \times (8 \times 8 + 8) - 8) \\
&:= ((9+9+9)/9) + 9 \times ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4616 &:= (1+1) \times (111 + ((1+1+11)^{1+1+1})) \\
&:= 2 \times (((2 \times (22+2))^2) + 2) + 2) \\
&:= (3 \times 3 - 3/3) \times (((3 \times 3 + 3)^3 + 3)/3) \\
&:= 4 \times 44 + (4444 - 4) \\
&:= (5/5+5)^5 - (((5 \times 5 + 5^5) + 5) + 5) \\
&:= ((6+6) \times (6 \times 66 - 6)) - ((6+6)/6)^6 \\
&:= (7/7+7) \times (7 \times (77+7) - (77/7)) \\
&:= 8 + 8 \times 8 \times (8 \times 8 + 8) \\
&:= 9 + (9 \times ((9+9)/9)^9 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4607 &:= ((11-1-1) \times (1+1)^{11-1-1}) - 1 \\
&:= (2 \times ((2 \times (22+2))^2) - 2/2) \\
&:= (3 \times (3 \times ((3-3/3)^{3 \times 3})) - 3/3) \\
&:= 4^4 + (((4+4)^4 - 4/4) + 4^4) \\
&:= 5^5 + ((5 \times 5 + 5/5) \times ((5+5)/5 + 55)) \\
&:= (6 \times ((6+6) \times ((6+6)/6)^6)) - 6/6 \\
&:= 7/7 + ((7+7) \times (7 \times 7 \times 7 - 7 - 7)) \\
&:= 8 \times 8 \times (8 \times 8 + 8) - 8/8 \\
&:= 9 \times ((9+9)/9)^9 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4612 &:= (1+1) \times (1 + (1 + (((1+1) \times ((1+1) \times (1+11)))^{1+1}))) \\
&:= 2 \times (((2 \times (22+2))^2) + 2) \\
&:= 3 + ((3 \times (3 \times ((3-3/3)^{3 \times 3})) + 3/3) \\
&:= 4 + (((4+4)^4 + 4^4) + 4^4) \\
&:= 5^5 + ((555+5)/5 + 5 \times 5 \times 55) \\
&:= (((6+6)/6) + 66)^{(6+6)/6} - 6 - 6 \\
&:= 7 + (((7+7) \times (7 \times 7 \times 7 - 7 - 7)) - 7/7) \\
&:= (8/((8+8)/8)) + 8 \times 8 \times (8 \times 8 + 8) \\
&:= 9 \times ((9+9)/9)^9 + ((9 \times 9 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4617 &:= (11-1-1) \times (1 + (1+1)^{11-1-1}) \\
&:= 2/2 + (2 \times (((2 \times (22+2))^2) + 2) + 2) \\
&:= 3 \times ((3 \times ((3-3/3)^{3 \times 3})) + 3) \\
&:= 4/4 + ((4444 - 4) + 4 \times 44) \\
&:= ((5-5+5)/5)^5 \times (5 \times 5 - (5/5+5)) \\
&:= 66 + (666/6 \times (6 \times 6 - 6/6+6)) \\
&:= 77/7 + ((7+7) \times (7 \times 7 \times 7 - 7 - 7)) \\
&:= 8 + (8 \times 8 \times (8 \times 8 + 8) + 8/8) \\
&:= 9 + 9 \times ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4618 &:= 1 + ((11 - 1 - 1) \times (1 + (1 + 1)^{11-1-1})) \\
&:= 2 + (2 \times (((2 \times (22 + 2))^2) + 2)) \\
&:= 3/3 + (3 \times ((3 \times ((3 - 3/3)^{3 \times 3})) + 3)) \\
&:= 4 \times 44 + (4444 - (4 + 4)/4) \\
&:= 5^5 + ((5 \times 5 \times (55 + 5)) - ((5 + 5)/5 + 5)) \\
&:= (((6 + 6)/6) + 66)^{(6+6)/6} - 6 \\
&:= (77 \times (77/7 + 7 \times 7)) - (7 + 7)/7 \\
&:= 8 + (8 \times 8 \times (8 \times 8 + 8) + ((8 + 8)/8)) \\
&:= 9 + (9 \times ((9 + 9)/9)^9 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4619 &:= 11 + ((11 - 1 - 1) \times (1 + 1)^{11-1-1}) \\
&:= 22/2 + (2 \times ((2 \times (22 + 2))^2)) \\
&:= 33/3 + (3 \times (3 \times ((3 - 3/3)^{3 \times 3}))) \\
&:= 4 \times 44 + (4444 - 4/4) \\
&:= 5^5 + ((5 \times 5 \times (55 + 5)) - (5/5 + 5)) \\
&:= (66 \times (((6 + 6)/6)^6 + 6)) - 6/6 \\
&:= (77 \times (77/7 + 7 \times 7)) - 7/7 \\
&:= 88/8 + 8 \times 8 \times (8 \times 8 + 8) \\
&:= 99/9 + 9 \times ((9 + 9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4620 &:= (1 + 1) \times ((111 - 1) \times (11 + (11 - 1))) \\
&:= (2 - 222) \times (2/2 - 22) \\
&:= (33/3 + 3) \times (333 - 3) \\
&:= 4 \times 44 + 4444 \\
&:= 5^5 + ((5 \times 5 \times (55 + 5)) - 5) \\
&:= 66 \times (((6 + 6)/6)^6 + 6) \\
&:= 77 \times (77/7 + 7 \times 7) \\
&:= ((88 + 8)/8) + 8 \times 8 \times (8 \times 8 + 8) \\
&:= (99 + 9)/9 + 9 \times ((9 + 9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4621 &:= 1 + ((1 + 1) \times ((111 - 1) \times (11 + (11 - 1)))) \\
&:= 2 + ((2 \times ((2 \times (22 + 2))^2)) + 22/2) \\
&:= 3/3 + ((33/3 + 3) \times (333 - 3)) \\
&:= 4/4 + (4444 + 4 \times 44) \\
&:= (5/5 + 5)^5 - ((5 \times 5 + 5^5) + 5) \\
&:= 6/6 + (66 \times (((6 + 6)/6)^6 + 6)) \\
&:= 7/7 + (77 \times (77/7 + 7 \times 7)) \\
&:= 8 \times 8 \times (8 \times 8 + 8) + (88 + 8 + 8)/8 \\
&:= 9 \times ((9 + 9)/9)^9 + ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4622 &:= (1 + 1) \times (1 + ((111 - 1) \times (11 + (11 - 1)))) \\
&:= (((2^{2+2+2} + 2) + 2)^2) - 2 \\
&:= 3 + ((3 \times (3 \times ((3 - 3/3)^{3 \times 3}))) + 33/3) \\
&:= 4 \times 44 + (4444 + (4 + 4)/4) \\
&:= 5 + (((5 - (5 + 5)/5)^5) \times (5 \times 5 - (5/5 + 5))) \\
&:= (6 + 6)/6 + (66 \times (((6 + 6)/6)^6 + 6)) \\
&:= (7 + 7)/7 + (77 \times (77/7 + 7 \times 7)) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 + 8)) - ((8 + 8)/8) + 8) \\
&:= 9 + (9 \times ((9 + 9)/9)^9 + ((9 \times 9 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4623 &:= (((1 + 1) \times (1 + 11 \times (1 + 1 + 1)))^{1+1}) - 1 \\
&:= (((2^{2+2+2} + 2) + 2)^2) - 2/2 \\
&:= 3 + ((33/3 + 3) \times (333 - 3)) \\
&:= ((4 \times 4 \times 4 + 4)^{(4+4)/4}) - 4/4 \\
&:= 5^5 + ((5 \times 5 \times (55 + 5)) - ((5 + 5)/5)) \\
&:= (66 + 6/6) \times (6 \times 6/(6 + 6) + 66) \\
&:= 7 + ((7/7 + 7) \times (7 \times (77 + 7) - (77/7))) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 + 8)) - 8/8 + 8) \\
&:= 9 + ((9 \times ((9 + 9)/9)^9 - ((9 + 9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4624 &:= ((1 + 1) \times (1 + 11 \times (1 + 1 + 1)))^{1+1} \\
&:= ((2^{2+2+2} + 2) + 2)^2 \\
&:= (((3 + 3)^3 - 3)/3 - 3)^{3-3/3} \\
&:= (4 \times 4 \times 4 + 4)^{(4+4)/4} \\
&:= 5^5 + ((5 \times 5 \times (55 + 5)) - 5/5) \\
&:= (((6 + 6)/6) + 66)^{(6+6)/6} \\
&:= (77 - ((7 + 7)/7 + 7))^{(7+7)/7} \\
&:= 8 + (8 \times 8 \times (8 \times 8 + 8) + 8) \\
&:= 9 + ((9 \times ((9 + 9)/9)^9 - ((9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4625 &:= 1 + (((1 + 1) \times (1 + 11 \times (1 + 1 + 1)))^{1+1}) \\
&:= 2/2 + (((2^{2+2+2} + 2) + 2)^2) \\
&:= (3/3 + 33 + 3) \times (3 - 3/3 + 3)^3 \\
&:= 4/4 + ((4 \times 4 \times 4 + 4)^{(4+4)/4}) \\
&:= 5^5 + (5 \times 5 \times (55 + 5)) \\
&:= 6 + ((66 \times (((6 + 6)/6)^6 + 6)) - 6/6) \\
&:= (7 \times ((7 \times 7 \times (7 + 7)) - 7)) - ((7 + 7)/7)^7 \\
&:= 8 + ((8 \times 8 \times (8 \times 8 + 8) + 8/8) + 8) \\
&:= 9 + ((9 \times ((9 + 9)/9)^9 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4626 &:= 1 + (1 + ((1 + 1) \times (1 + 11 \times (1 + 1 + 1))))^{1+1} \\
&:= 2 + (((2^{2+2+2} + 2) + 2)^2) \\
&:= 3 \times (((3 \times ((3 - 3/3)^{3 \times 3})) + 3) + 3) \\
&:= (4/4 + 4^4) \times ((4 + 4)/4 + 4 \times 4) \\
&:= (5/5 + 5)^5 - (5 \times 5 + 5^5) \\
&:= 6 + (66 \times (((6 + 6)/6)^6 + 6)) \\
&:= (7 - 7/7) \times ((777 - 7) + 7/7) \\
&:= (8/8 + 8) \times (8 \times 8 \times 8 + (8 + 8)/8) \\
&:= 9 + (9 \times ((9 + 9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4627 &:= 1 + (1 + (1 + ((1 + 1) \times (1 + 11 \times (1 + 1 + 1))))^{1+1})) \\
&:= 2 + (((2^{2+2+2} + 2) + 2)^2) + 2/2 \\
&:= 3 + (((3 + 3)^3 - 3)/3 - 3)^{3-3/3} \\
&:= 4 + (((4 \times 4 \times 4 + 4)^{(4+4)/4}) - 4/4) \\
&:= 5^5 + ((5 \times 5 \times (55 + 5)) + ((5 + 5)/5)) \\
&:= (6/6 + 6) \times ((666 - 6) + 6/6) \\
&:= 7 + (77 \times (77/7 + 7 \times 7)) \\
&:= 8 + (8 \times 8 \times (8 \times 8 + 8) + (88/8)) \\
&:= 9 + ((9 \times ((9 + 9)/9)^9 + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4628 &:= 11 + ((11 - 1 - 1) \times (1 + (1 + 1)^{11-1-1})) \\
&:= 2 + (((2^{2+2+2} + 2) + 2)^2) + 2 \\
&:= 3 + ((3/3 + 33 + 3) \times (3 - 3/3 + 3)^3) \\
&:= 4 + ((4 \times 4 \times 4 + 4)^{(4+4)/4}) \\
&:= 5 + (((5 \times 5 \times (55 + 5)) - ((5 + 5)/5)) + 5^5) \\
&:= 6 + ((66 \times (((6 + 6)/6)^6 + 6)) + ((6 + 6)/6)) \\
&:= 7 + ((77 \times (77/7 + 7 \times 7)) + 7/7) \\
&:= 8 + (8 \times 8 \times (8 \times 8 + 8) + ((88 + 8)/8)) \\
&:= 9 + (9 \times ((9 + 9)/9)^9 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4629 &:= (((11 + (11 - 1))^{1+1+1}) - 1)/(1 + 1) - 1 \\
&:= 22 + ((2 \times ((2 \times (22 + 2))^2)) - 2/2) \\
&:= 3 \times (((3 \times (3 + 3)) + 3)^3) - 3/(3 + 3) \\
&:= 4 + (((4 \times 4 \times 4 + 4)^{(4+4)/4}) + 4/4) \\
&:= 5 + (((5 \times 5 \times (55 + 5)) - 5/5) + 5^5) \\
&:= 6 + ((66 + 6/6) \times (6 \times 6/(6 + 6) + 66)) \\
&:= 7 + ((77 \times (77/7 + 7 \times 7)) + ((7 + 7)/7)) \\
&:= 8 + (8 \times 8 \times (8 \times 8 + 8) + (88 + 8 + 8)/8) \\
&:= 9 + (9 \times ((9 + 9)/9)^9 + (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4630 &:= (((11 + (11 - 1))^{1+1+1}) - 1)/(1 + 1) \\
&:= 22 + (2 \times ((2 \times (22 + 2))^2)) \\
&:= (((3 \times (3 + 3)) + 3)^3) - 3/3/(3 - 3/3) \\
&:= 4 + ((4/4 + 4^4) \times ((4 + 4)/4 + 4 \times 4)) \\
&:= 5 + ((5 \times 5 \times (55 + 5)) + 5^5) \\
&:= 6 + (((6 + 6)/6) + 66)^{(6+6)/6} \\
&:= ((77 - 7)/7) + (77 \times (77/7 + 7 \times 7)) \\
&:= 8 \times 8 \times (8 \times 8 + 8) + (88 + 88)/8 \\
&:= ((99 + 99)/9) + 9 \times ((9 + 9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4631 &:= (1 + ((11 + (11 - 1))^{1+1+1}))/ (1 + 1) \\
&:= 22 + ((2 \times ((2 \times (22 + 2))^2)) + 2/2) \\
&:= (33/3)^3 + (3333 - 33) \\
&:= 4^4 + (((4 - 4/4) + 4) \times (4/4 + 4)^4) \\
&:= 5 + ((5/5 + 5)^5 - (5 \times 5 + 5^5)) \\
&:= 66/6 + (66 \times (((6 + 6)/6)^6 + 6)) \\
&:= 7 + ((77 - ((7 + 7)/7 + 7))^{(7+7)/7}) \\
&:= 8 + (((8 \times 8 \times (8 \times 8 + 8)) - 8/8) + 8) + 8 \\
&:= (9 \times (9 - 9 \times 9 \times 9)) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4632 &:= 1 + ((1 + ((11 + (11 - 1))^{1+1+1}))/ (1 + 1)) \\
&:= 2 + ((2 \times ((2 \times (22 + 2))^2)) + 22) \\
&:= 3 \times (((33/3)^3 - 3) + (3 + 3)^3) \\
&:= 4 + (((4 \times 4 \times 4 + 4)^{(4+4)/4}) + 4) \\
&:= 5 + (((5/5 + 5)^5 - (5 \times 5 + 5^5)) + 5/5) \\
&:= 6 + ((66 \times (((6 + 6)/6)^6 + 6)) + 6) \\
&:= (7 - 7/7) \times (((7 + 7)/7 - 7) + 777) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 + 8) + 8) + 8) \\
&:= 9 + (((9 \times ((9 + 9)/9)^9 - ((9 + 9 + 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4633 &:= 1 + (1 + ((1 + ((11 + (11 - 1))^{1+1+1}))/ (1 + 1))) \\
&:= 2 + (((2 \times (2 \times (22 + 2)^2) + 22) + 2)/2) \\
&:= 3 + (((3 \times (3 + 3)) + 3^3) - 3/3) / (3 - 3/3) \\
&:= 4 + (((4 \times 4 \times 4 + 4)^{(4+4)/4} + 4/4) + 4) \\
&:= 5^5 + (((5^5 + 5/5) / ((5 + 5)/5)) - 5/5) \\
&:= 6 + ((6/6 + 6) \times ((666 - 6) + 6/6)) \\
&:= 7 + ((7 - 7/7) \times ((777 - 7) + 7/7)) \\
&:= 8 + (((8 \times 8 \times (8 \times 8 + 8) + 8/8) + 8) + 8) \\
&:= ((99/9) \times ((9 + 9)/9)^9) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4634 &:= 11 + (((1 + 1) \times (1 + 11 \times (1 + 1 + 1)))^{1+1}) - 1 \\
&:= 22 + (2 \times (((2 \times (22 + 2)^2) + 2)) \\
&:= (33/3 + 3) \times ((333 - 3) + 3/3) \\
&:= 4 + (((4/4 + 4^4) \times ((4 + 4)/4 + 4 \times 4) + 4) \\
&:= 5 + (((5 \times 5 \times (55 + 5)) - 5/5) + 5^5) + 5 \\
&:= (6/6 + 6) \times (((6 + 6)/6 - 6) + 666) \\
&:= 7 + ((77 \times (77/7 + 7 \times 7)) + 7) \\
&:= 8 + ((8/8 + 8) \times (8 \times 8 \times 8 + (8 + 8)/8)) \\
&:= 9 + (((9 \times ((9 + 9)/9)^9 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4635 &:= 11 + (((1 + 1) \times (1 + 11 \times (1 + 1 + 1)))^{1+1}) \\
&:= 22/2 + (((2^{2+2+2} + 2) + 2)^2) \\
&:= 3 \times (3 \times (((3 - 3/3)^{3 \times 3} + 3)) \\
&:= 4^4 + (4444 - (4^4 + 4)/4) \\
&:= 5 + (((5 \times 5 \times (55 + 5)) + 5^5) + 5) \\
&:= (6 \times 66 \times (6 + 6)) - (666/6 + 6) \\
&:= 7 \times 77 + ((7/7 + 7)^{77/7-7}) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 + 8) + (88/8)) + 8) \\
&:= 9 + ((9 \times ((9 + 9)/9)^9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4636 &:= (1 + 11^{1+1}) \times (1 + (111/(1 + 1 + 1))) \\
&:= 2 + ((2 \times (((2 \times (22 + 2)^2) + 2)) + 22) \\
&:= 3/3 + (3 \times (3 \times (((3 - 3/3)^{3 \times 3} + 3))) \\
&:= 4444 + (4 \times (44 + 4)) \\
&:= (5/5 + 5)^5 - ((5^5 + 5 + 5) + 5) \\
&:= 6 + (((6 + 6)/6 + 66)^{(6+6)/6} + 6) \\
&:= (77 - 7/7) \times ((77 + 7)/7 + 7 \times 7) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 + 8) + (88 + 8)/8) + 8) \\
&:= 9 + (((9 \times ((9 + 9)/9)^9 + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4637 &:= 1 + ((1 + 11^{1+1}) \times (1 + (111/(1 + 1 + 1)))) \\
&:= 2 + (((2^{2+2+2} + 2) + 2)^2) + 22/2 \\
&:= (33/3)^3 + (3333 - 3^3) \\
&:= 4/4 + (4444 + (4 \times (44 + 4))) \\
&:= 5^5 + ((5 \times 5 \times (55 + 5)) + ((55 + 5)/5)) \\
&:= 6 + ((66 \times (((6 + 6)/6)^6 + 6)) + (66/6)) \\
&:= 7 \times (7 \times 7 \times 7 + 7) + ((7 + 7 + 7)/7)^7 \\
&:= ((8 \times 8 - 8/8) \times (88/8 + 8 \times 8)) - 88 \\
&:= 9 + ((9 \times ((9 + 9)/9)^9 + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4638 &:= (1 + 1) \times ((111 \times (11 + (11 - 1))) - (1 + 11)) \\
&:= 22 + (2 \times (((2 \times (22 + 2)^2) + 2) + 2)) \\
&:= 3 + (3 \times (3 \times (((3 - 3/3)^{3 \times 3} + 3))) \\
&:= 4^4 + (((4 - 4^4) + 4)/4) + 4444 \\
&:= 5^5 + ((55 \times 55 + 5/5) / ((5 + 5)/5)) \\
&:= 66 + (66 \times 66 + 6 \times 6 \times 6) \\
&:= (7 - 7/7) \times ((777 - (77/7)) + 7) \\
&:= 8 + (8 \times 8 \times (8 \times 8 + 8) + (88 + 88)/8) \\
&:= 999/9 + (9 \times (((9 + 9)/9)^9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4639 &:= ((11 + (11 - 1)) \times ((1 + 1) \times 111 - 1)) - 1 - 1 \\
&:= ((2/2 - 22) \times (2/2 - 222)) - 2 \\
&:= 3 + ((3 \times (3 \times (((3 - 3/3)^{3 \times 3} + 3))) + 3/3) \\
&:= ((4 + 4) \times (4 \times 4^4 - 444)) - 4/4 \\
&:= (5/5 + 5)^5 - (((55 + 5)/5) + 5^5) \\
&:= 6 + (((6/6 + 6) \times ((666 - 6) + 6/6)) + 6) \\
&:= 7 + ((7 - 7/7) \times (((7 + 7)/7 - 7) + 777)) \\
&:= 8 + (((8 \times 8 \times (8 \times 8 + 8) - 8/8) + 8) + 8) + 8) \\
&:= 9 + (((99 + 99)/9) + 9 \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4640 &:= (1 + 1) \times ((11 - 1) \times (111 + 11^{1+1})) \\
&:= 2 \times (((2 \times (22 + 2)^2) + 2)^{2+2}) \\
&:= (3 \times ((33/3)^3 + (3 + 3)^3)) - 3/3 \\
&:= (4 + 4) \times (4 \times 4^4 - 444) \\
&:= ((5 + 5)/5)^5 \times (5 \times (5 \times 5 + 5) - 5) \\
&:= (6 \times 66 \times (6 + 6)) - (666 + 6)/6 \\
&:= (7/7 + 7) \times (7 \times (77 + 7) - (7/7 + 7)) \\
&:= 8 + (((8 \times 8 \times (8 \times 8 + 8) + 8) + 8) + 8) \\
&:= (99/9 + 9) \times (9 \times (9 + 9 + 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4641 &:= (11 + (11 - 1)) \times ((1 + 1) \times 111 - 1) \\
&:= (2/2 - 22) \times (2/2 - 222) \\
&:= 3 \times ((33/3)^3 + (3 + 3)^3) \\
&:= 4/4 + ((4 + 4) \times (4 \times 4^4 - 444)) \\
&:= (5/5 + 5)^5 - (5^5 + 5 + 5) \\
&:= (6 \times 66 \times (6 + 6)) - 666/6 \\
&:= (7 - 7/7 + 7) \times (7 \times 7 \times 7 + 7 + 7) \\
&:= 8 + (((8 \times 8 \times (8 \times 8 + 8) + 8/8) + 8) + 8) + 8) \\
&:= ((9 - 9/9) + 9) \times (999/9 + 9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4642 &:= (1 + 1) \times (11 \times ((1 + 1) \times 111 - 11)) \\
&:= 22 \times (222 - 22/2) \\
&:= 3/3 + (3 \times ((33/3)^3 + (3 + 3)^3)) \\
&:= 4 \times 4 + ((4/4 + 4^4) \times ((4 + 4)/4 + 4 \times 4)) \\
&:= 5/5 + ((5/5 + 5)^5 - (5^5 + 5 + 5)) \\
&:= ((6 - 666)/6) + (6 \times 66 \times (6 + 6)) \\
&:= (7 \times ((7 \times 7 \times (7 + 7)) - 7)) - 777/7 \\
&:= 8 + (((8/8 + 8) \times (8 \times 8 \times 8 + (8 + 8)/8)) + 8) \\
&:= 99/9 \times (((9 + 9)/9)^9 - 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4643 &:= 1 + ((1 + 1) \times (11 \times ((1 + 1) \times 111 - 11))) \\
&:= 2 + ((2/2 - 22) \times (2/2 - 222)) \\
&:= 3 + ((3 \times ((33/3)^3 + (3 + 3)^3)) - 3/3) \\
&:= 4 + (((4 + 4) \times (4 \times 4^4 - 444)) - 4/4) \\
&:= 5 \times 55 + (((5 + 5)/5 + 5) \times (5^5 - 5)/5) \\
&:= ((6 + 6) \times (6 \times 66 - 6)) - (6 \times 6 + 6/6) \\
&:= ((7 - 7/7) \times (777 - ((7 + 7)/7))) - 7 \\
&:= 8 + (((8 \times 8 \times (8 \times 8 + 8) + (88/8)) + 8) + 8) \\
&:= 9 + (((9 \times ((9 + 9)/9)^9 - 9/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4644 &:= (1 + 1) \times (1 + (11 \times ((1 + 1) \times 111 - 11))) \\
&:= 2 + (22 \times (222 - 22/2)) \\
&:= 3 + (3 \times ((33/3)^3 + (3 + 3)^3)) \\
&:= 4 + ((4 + 4) \times (4 \times 4^4 - 444)) \\
&:= (5/5 + 5)^5 - (((5 + 5)/5 + 5^5) + 5) \\
&:= 6 \times (((6 + 6) \times ((6 + 6)/6)^6) + 6) \\
&:= (7 - 7/7) \times (777 - ((7 + 7 + 7)/7)) \\
&:= (8/8 + 8) \times ((8/(8 + 8)/8) + 8 \times 8 \times 8) \\
&:= 9 + (((9 \times ((9 + 9)/9)^9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4645 &:= 1 + ((1 + 1) \times (1 + (11 \times ((1 + 1) \times 111 - 11)))) \\
&:= 2 + (((2/2 - 22) \times (2/2 - 222)) + 2) \\
&:= ((33/3 + 3) \times (333 - 3/3)) - 3 \\
&:= 4 + (((4 + 4) \times (4 \times 4^4 - 444)) + 4/4) \\
&:= 5^5 + ((5 \times (5 \times (55 + 5) + 5)) - 5) \\
&:= 6/6 + (6 \times (((6 + 6) \times ((6 + 6)/6)^6) + 6)) \\
&:= 7 + ((7 - 7/7) \times ((777 - (77/7)) + 7)) \\
&:= 8 \times 8 \times (8 \times 8 + 8) + 888/(8 + 8 + 8) \\
&:= 9 + (((9 \times ((9 + 9)/9)^9 + 9/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4646 &:= (1 + 1) \times (1 + (1 + (11 \times ((1 + 1) \times 111 - 11)))) \\
&:= 22 + (((2^{2+2+2} + 2) + 2)^2) \\
&:= 33/3 + (3 \times (3 \times (((3 - 3/3)^{3 \times 3} + 3))) \\
&:= (4 + 4)^4 + ((4/4 + 4) \times (444 - 4)/4) \\
&:= (5/5 + 5)^5 - (5^5 + 5) \\
&:= 6 + ((6 \times 66 \times (6 + 6)) - (666 + 6)/6) \\
&:= ((7 + 7)/7) \times (7 \times 7 \times 7 - (7/7 + 77)) \\
&:= 8 + ((8 \times 8 \times (8 \times 8 + 8) + (88 + 88)/8) + 8) \\
&:= 9 + (((9 \times ((9 + 9)/9)^9 + (99/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4647 &:= (1 + 1 + 1 + 11) \times ((1 + 1 + 1) \times 111 - 1) - 1 \\
&:= 22 + (((2^{2+2+2} + 2) + 2)^2) + 2/2 \\
&:= 3 + ((3 \times ((33/3)^3 + (3 + 3)^3)) + 3) \\
&:= ((4 + 4) \times ((4/4 + 4)^4 - 44)) - 4/4 \\
&:= 5/5 + ((5/5 + 5)^5 - (5^5 + 5)) \\
&:= 6 + ((6 \times 66 \times (6 + 6)) - 666/6) \\
&:= ((7 - 7/7) \times 777) - (7/7 + 7 + 7) \\
&:= 888/8 + ((8/8 + 8) \times (8 \times 8 \times 8 - 8)) \\
&:= 9 + ((9 \times (((9 + 9)/9)^9 - 99)) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4648 &:= (1 + (1 + 1 + 11)) \times ((1 + 1 + 1) \times 111 - 1) \\
&:= 2 \times (((2 \times (22 + 2))^2) - 2) + 22 \\
&:= (33/3 + 3) \times (333 - 3/3) \\
&:= (4 + 4) \times ((4/4 + 4)^4 - 44) \\
&:= (5 + 5)/5 + ((5/5 + 5)^5 - (5^5 + 5)) \\
&:= (6/6 + 6) \times (666 - ((6 + 6)/6)) \\
&:= (7 + 7) \times (7 \times 7 \times 7 - (77/7)) \\
&:= (8 \times 8 - 8) \times ((88/8 + 8 \times 8) + 8) \\
&:= 9 \times ((9 + 9)/9)^9 + ((9 \times 9 \times 9 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4649 &:= 1 + (1 + 1 + 1 + 11) \times ((1 + 1 + 1) \times 111 - 1) \\
&:= 2/2 + (2 \times (((2 \times (22 + 2))^2) - 2) + 22) \\
&:= 3/3 + ((33/3 + 3) \times (333 - 3/3)) \\
&:= 4/4 + ((4 + 4) \times ((4/4 + 4)^4 - 44)) \\
&:= (5/5 + 5)^5 - ((5 + 5)/5 + 5^5) \\
&:= ((6/6 + 6) \times (666 - 6/6)) - 6 \\
&:= ((7 - 7/7) \times (777 - 7/7)) - 7 \\
&:= 8/8 + ((8 \times 8 - 8) \times ((88/8 + 8 \times 8) + 8)) \\
&:= 9 \times ((9 + 9)/9)^9 + ((9 \times 9 \times 9 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4650 &:= (11 - 1) \times (1 + ((1 + 1) \times (111 + 11^{1+1}))) \\
&:= (2 \times (((2 \times (22 + 2))^2) + 22)) - 2 \\
&:= 3 \times (((33/3)^3 + (3 + 3)^3) + 3) \\
&:= (44 + 4^4)/4 \times (4^4 - 4 - 4)/4 \\
&:= 5^5 + (5 \times (5 \times (55 + 5) + 5)) \\
&:= ((6/6 + 6) \times 666) - 6 - 6 \\
&:= (7 - 7/7) \times (777 - ((7 + 7)/7)) \\
&:= (8 \times 8 - ((8 + 8)/8)) \times (88/8 + 8 \times 8) \\
&:= 9 + ((99/(9 + 9 + 9)/9) + 9 \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4651 &:= ((1 + 1)^{1+11}) + ((1111 - 1)/(1 + 1)) \\
&:= (222 \times (22 - 2/2)) - 22/2 \\
&:= 3 + ((33/3 + 3) \times (333 - 3/3)) \\
&:= 444 + (444/4 + (4 + 4)^4) \\
&:= (5/5 + 5)^5 - 5^5 \\
&:= ((6/6 + 6) \times 666) - 66/6 \\
&:= ((7 - 7/7) \times 777) - 77/7 \\
&:= 8 \times 8 \times 8 + (8888 - 8)/(8 + 8) \\
&:= 9 + ((99/9) \times (((9 + 9)/9)^9 - 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4652 &:= ((1 + 1)^{1+11}) + ((1 + 1111)/(1 + 1)) \\
&:= 2 \times (((2 \times (22 + 2))^2) + 22) \\
&:= (33 \times ((3 \times (33 + 3)) + 33)) - 3/3 \\
&:= 4 + ((4 + 4) \times ((4/4 + 4)^4 - 44)) \\
&:= 5/5 + ((5/5 + 5)^5 - 5^5) \\
&:= (6 - 66)/6 + ((6/6 + 6) \times 666) \\
&:= ((7 - 77)/7) + ((7 - 7/7) \times 777) \\
&:= 8 \times 8 \times (8 \times 8 + 8) + (88/((8 + 8)/8)) \\
&:= (99 \times (((99/9 + 9 + 9) + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4653 &:= 11 \times (1 + ((1 + 1) \times ((1 + 1) \times 111 - 11))) \\
&:= 2/2 + (2 \times (((2 \times (22 + 2))^2) + 22)) \\
&:= 33 \times ((3 \times (33 + 3)) + 33) \\
&:= (4/4 + 4)^4 + ((4 \times 4 \times (4^4 - 4)) - 4) \\
&:= (5 + 5)/5 + ((5/5 + 5)^5 - 5^5) \\
&:= 6 + (((6 \times 66 \times (6 + 6)) - 666/6) + 6) \\
&:= 77/7 \times ((77 \times 77 - 7)/(7 + 7)) \\
&:= 88/8 \times (8 \times 8 \times 8 - (8/8 + 88)) \\
&:= 99 \times (((99/9 + 9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4654 &:= 1 + (11 \times (1 + ((1 + 1) \times ((1 + 1) \times 111 - 11)))) \\
&:= 2 + (2 \times (((2 \times (22 + 2))^2) + 22)) \\
&:= 3/3 + (33 \times ((3 \times (33 + 3)) + 33)) \\
&:= 4 + ((44 + 4^4)/4 \times (4^4 - 4 - 4)/4) \\
&:= 5 + ((5/5 + 5)^5 - ((5 + 5)/5 + 5^5)) \\
&:= 6 + ((6/6 + 6) \times (666 - ((6 + 6)/6))) \\
&:= ((7 - 7/7) \times 777) - (7/7 + 7) \\
&:= 8 \times 8 + ((8/8 + 8) \times (8 \times 8 \times 8 - ((8 + 8)/8))) \\
&:= 9/9 + (99 \times (((99/9 + 9 + 9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4655 &:= (1 + (11 \times (1 + 11))) \times (1 + (1 + 11 \times (1 + 1 + 1))) \\
&:= 2 + (2 \times (((2 \times (22 + 2))^2) + 22)) + 2/2 \\
&:= (33/3)^3 + (3333 - 3 \times 3) \\
&:= 4^4 + 4444 - (44 + 4/4) \\
&:= 5 + ((5 \times (5 \times (55 + 5) + 5)) + 5^5) \\
&:= (6/6 + 6) \times (666 - 6/6) \\
&:= 7 \times (7 \times (77 + 7) + 77) \\
&:= 888/8 + (8 \times (8 \times (8 \times 8 + 8) - 8)) \\
&:= (9/9 + 9 + 9) \times (9 \times (9 + 9 + 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4656 &:= (1 + 1) \times ((111 \times (11 + (11 - 1))) - (1 + 1 + 1)) \\
&:= 2 \times (((2 \times (22 + 2))^2) + 22) + 2 \\
&:= 3 + (33 \times ((3 \times (33 + 3)) + 33)) \\
&:= 4^4 + (4444 - 44) \\
&:= 5 + ((5/5 + 5)^5 - 5^5) \\
&:= ((6/6 + 6) \times 666) - 6 \\
&:= (7 - 7/7) \times (777 - 7/7) \\
&:= (8 \times (8 \times (8 \times 8 + 8) + 8)) - 8 - 8 \\
&:= 9 + (((9 \times (((9 + 9)/9)^9) - 9)) + 999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4657 &:= ((1 + 1)^{1+11}) + ((11 + 1111)/(1 + 1)) \\
&:= 2/2 + (2 \times (((2 \times (22 + 2))^2) + 22) + 2) \\
&:= 3 + ((33 \times ((3 \times (33 + 3)) + 33)) + 3/3) \\
&:= (4/4 + 4)^4 + (4 \times 4 \times (4^4 - 4)) \\
&:= 5 + (((5/5 + 5)^5 - 5^5) + 5/5) \\
&:= 6/6 + (((6/6 + 6) \times 666) - 6) \\
&:= 7 + ((7 - 7/7) \times (777 - ((7 + 7)/7))) \\
&:= 8/8 + ((8 \times (8 \times (8 \times 8 + 8) + 8)) - (8 + 8)) \\
&:= 9 \times ((9 + 9)/9)^9 + ((9 \times 99 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4658 &:= (1 + 1) \times ((111 \times (11 + (11 - 1))) - (1 + 1)) \\
&:= (222 \times (22 - 2/2)) - 2 - 2 \\
&:= (33/3)^3 + (3333 - (3 + 3)) \\
&:= (444/4 \times (44 - (4 + 4)/4)) - 4 \\
&:= 5 + (((5/5 + 5)^5 - 5^5) + ((5 + 5)/5)) \\
&:= (6 + 6)/6 + (((6/6 + 6) \times 666) - 6) \\
&:= 7 + (((7 - 7/7) \times 777) - (77/7)) \\
&:= 8 + ((8 \times 8 - ((8 + 8)/8)) \times (88/8 + 8 \times 8)) \\
&:= 9 \times ((9 + 9)/9)^9 + ((9 \times 99 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4659 &:= (1 + 1 + 1) \times ((111 \times (1 + (1 + 1 + 1)))) - 1 \\
&:= (222 \times (22 - 2/2)) - 2/2 - 2 \\
&:= (333 \times (33/3 + 3)) - 3 \\
&:= 4 + (4444 - (44 + 4/4) + 4^4) \\
&:= 5 + (((5/5 + 5)^5 - ((5 + 5)/5 + 5^5)) + 5) \\
&:= ((6/6 + 6) \times 666) - 6 \times 6/(6 + 6) \\
&:= ((7 - 7/7) \times 777) - (7 + 7 + 7)/7 \\
&:= (8 \times (8 \times (8 \times 8 + 8) + 8)) - (88 + 8 + 8)/8 \\
&:= 9 \times (((9 + 9)/9)^9 + 9 + 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4660 &:= (1 + 1) \times ((111 \times (11 + (11 - 1))) - 1) \\
&:= (222 \times (22 - 2/2)) - 2 \\
&:= 3/3 + ((333 \times (33/3 + 3)) - 3) \\
&:= 4 + ((4444 - 44) + 4^4) \\
&:= 5^5 + (5 \times (5^5 - 55)/(5 + 5)) \\
&:= ((6/6 + 6) \times 666) - (6 + 6)/6 \\
&:= ((7 - 7/7) \times 777) - (7 + 7)/7 \\
&:= (8 \times (8 \times (8 \times 8 + 8) + 8)) - (88 + 8)/8 \\
&:= (99/9 + 9) \times (9 \times (9 + 9 + 9) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4661 &:= ((1 + 1) \times (111 \times (11 + (11 - 1)))) - 1 \\
&:= (222 \times (22 - 2/2)) - 2/2 \\
&:= (33/3)^3 + (3333 - 3) \\
&:= 4 + ((4 \times 4 \times (4^4 - 4)) + (4/4 + 4)^4) \\
&:= 5 + (((5/5 + 5)^5 - 5^5) + 5) \\
&:= ((6/6 + 6) \times 666) - 6/6 \\
&:= ((7 - 7/7) \times 777) - 7/7 \\
&:= (8 \times (8 \times (8 \times 8 + 8) + 8)) - 88/8 \\
&:= 9 \times (((9 + 9)/9)^9 + 9) - ((9/9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4662 &:= (1 + 1) \times (111 \times (11 + (11 - 1))) \\
&:= 222 \times (22 - 2/2) \\
&:= 333 \times (33/3 + 3) \\
&:= 444/4 \times (44 - (4 + 4)/4) \\
&:= 55/5 + ((5/5 + 5)^5 - 5^5) \\
&:= (6/6 + 6) \times 666 \\
&:= (7 - 7/7) \times 777 \\
&:= (8/8 + 8) \times ((8 \times 8 \times 8 - ((8 + 8)/8)) + 8) \\
&:= 9 \times (((9 + 9)/9)^9 + 9) - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4663 &:= 1 + ((1 + 1) \times (111 \times (11 + (11 - 1)))) \\
&:= 2/2 + (222 \times (22 - 2/2)) \\
&:= 3/3 + (333 \times (33/3 + 3)) \\
&:= (4 + 4) \times 444 + 4444/4 \\
&:= (5/5 + 5)^5 + (((55 + 5)/5) - 5^5) \\
&:= 6/6 + ((6/6 + 6) \times 666) \\
&:= 7/7 + ((7 - 7/7) \times 777) \\
&:= (8 \times (8 \times (8 \times 8 + 8) + 8)) - (8/8 + 8) \\
&:= 9/9 + (9 \times (((9 + 9)/9)^9 + 9) - (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4664 &:= (1 + 1) \times (1 + (111 \times (11 + (11 - 1)))) \\
&:= 2 + (222 \times (22 - 2/2)) \\
&:= (33/3)^3 + 3333 \\
&:= 44 \times ((444 - 4)/4 - 4) \\
&:= (5 - 5/5) \times (5555/5 + 55) \\
&:= (6 + 6)/6 + ((6/6 + 6) \times 666) \\
&:= (7 + 7)/7 + ((7 - 7/7) \times 777) \\
&:= 88 \times (8 \times 8 - 88/8) \\
&:= 99/9 \times (((9 + 9) \times (9 + 9) + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4665 &:= 1 + ((1 + 1) \times (1 + (111 \times (11 + (11 - 1))))) \\
&:= 2 + ((222 \times (22 - 2/2)) + 2/2) \\
&:= 3 + (333 \times (33/3 + 3)) \\
&:= 4/4 + (44 \times ((444 - 4)/4 - 4)) \\
&:= 5^5 + (5 \times ((5^5 + 5)/(5 + 5) - 5)) \\
&:= (6 \times 6/(6 + 6)) + ((6/6 + 6) \times 666) \\
&:= (7 + 7 + 7)/7 + ((7 - 7/7) \times 777) \\
&:= 8/8 + (88 \times (8 \times 8 - 88/8)) \\
&:= 9 \times ((9 + 9)/9)^9 + (((((9 + 9)/9)^9) + 9/9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4666 &:= (1 + 1) \times (111 + ((1 + 1) \times 1111)) \\
&:= 222 + (2 \times 2222) \\
&:= 3 + ((333 \times (33/3 + 3)) + 3/3) \\
&:= 4 + (444/4 \times (44 - (4 + 4)/4)) \\
&:= 5 + (((5/5 + 5)^5 - 5^5) + 5) + 5 \\
&:= 6 + (((6/6 + 6) \times 666) - ((6 + 6)/6)) \\
&:= 77/7 + (7 \times (7 \times (77 + 7) + 77)) \\
&:= (8 + 8)/8 + (88 \times (8 \times 8 - 88/8)) \\
&:= 9 + (((9 \times 99 - 9)/(9 + 9)) + 9 \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4667 &:= 1 + ((1 + 1) \times (111 + ((1 + 1) \times 1111))) \\
&:= 2/2 + ((2 \times 2222) + 222) \\
&:= 3 + ((33/3)^3 + 3333) \\
&:= 4 + ((4 + 4) \times 444 + 4444/4) \\
&:= 5 + (((5/5 + 5)^5 - 5^5) + (55/5)) \\
&:= 6 + (((6/6 + 6) \times 666) - 6/6) \\
&:= 7 + (((7 - 7/7) \times 777) - ((7 + 7)/7)) \\
&:= 88/8 + ((8 \times (8 \times (8 \times 8 + 8) + 8)) - (8 + 8)) \\
&:= 9 \times (((9 + 9)/9)^9 + 9) - ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4668 &:= (1 + 1) \times (1 + (111 + ((1 + 1) \times 1111))) \\
&:= 2 + ((2 \times 2222) + 222) \\
&:= 3 + ((333 \times (33/3 + 3)) + 3) \\
&:= 4 + (44 \times ((444 - 4)/4 - 4)) \\
&:= 5 + (((5/5 + 5)^5 - 5^5) + ((55 + 5)/5)) \\
&:= 6 + ((6/6 + 6) \times 666) \\
&:= (7 - 7/7) \times (777 + 7/7) \\
&:= (8 \times (8 \times (8 \times 8 + 8) + 8)) - (8/((8 + 8)/8)) \\
&:= 9 \times (((9 + 9)/9)^9 + 9) - ((99 + 9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4669 &:= 1 + ((1 + 1) \times (1 + (111 + ((1 + 1) \times 1111)))) \\
&:= 2 + (((2 \times 2222) + 222) + 2/2) \\
&:= (((3/3 + 3)^3) \times (((3 + 3)^3 + 3)/3)) - 3 \\
&:= 444 + ((4^4 + 4)/4)^{(4+4)/4} \\
&:= (55 \times (5 \times 5 + 55 + 5)) - (5/5 + 5) \\
&:= (6/6 + 6) \times (666 + 6/6) \\
&:= 7 + ((7 - 7/7) \times 777) \\
&:= 8 + ((8 \times (8 \times (8 \times 8 + 8) + 8)) - (88/8)) \\
&:= (99/9 + 9 + 9) \times (9 \times (9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4670 &:= (1 + 1) \times (111 + ((1 + 1) \times (1 + 1111))) \\
&:= 222 + 2 \times (2222 + 2) \\
&:= 3 + (((33/3)^3 + 3333) + 3) \\
&:= 4 + ((444/4 \times (44 - (4 + 4)/4)) + 4) \\
&:= (55 \times (5 \times 5 + 55 + 5)) - 5 \\
&:= 6 + (((6/6 + 6) \times 666) + ((6 + 6)/6)) \\
&:= 7 + (((7 - 7/7) \times 777) + 7/7) \\
&:= (8 \times (8 \times (8 \times 8 + 8) + 8)) - (8 + 8)/8 \\
&:= 9 \times (((9 + 9)/9)^9 + 9) - (9/9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4671 &:= 1 + ((1 + 1) \times (111 + ((1 + 1) \times (1 + 1111)))) \\
&:= 2/2 + (2 \times (2222 + 2) + 222) \\
&:= 3 \times (3 \times ((3 \times (3 + 3) \times 3^3) + 33)) \\
&:= (4 \times (4 \times ((4 \times (4 + 4) + 4^4) + 4))) - 4/4 \\
&:= 5 \times 5 + ((5/5 + 5)^5 - (5^5 + 5)) \\
&:= 6 + (((6/6 + 6) \times 666) + (6 \times 6/(6 + 6))) \\
&:= 7 + (((7 - 7/7) \times 777) + ((7 + 7)/7)) \\
&:= (8 \times (8 \times (8 \times 8 + 8) + 8)) - 8/8 \\
&:= 9 \times (((9 + 9)/9)^9 + 9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4672 &:= ((1 + 1)^{1+11}) + (((1 + 1) \times (1 + 11))^{1+1}) \\
&:= 2 \times ((2 \times 22)^2 + (22 - 2)^2) \\
&:= ((3/3 + 3)^3) \times (((3 + 3)^3 + 3)/3) \\
&:= 4 \times (4 \times ((4 \times (4 + 4) + 4^4) + 4)) \\
&:= 5 + (((5/5 + 5)^5 - 5^5) + (55/5)) + 5 \\
&:= ((6 + 6)/6)^6 \times (66 + 6/6 + 6) \\
&:= ((77 - 7)/7) + ((7 - 7/7) \times 777) \\
&:= 8 \times (8 \times (8 \times 8 + 8) + 8) \\
&:= 9/9 + (9 \times (((9 + 9)/9)^9 + 9) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4673 &:= 11 + ((1 + 1) \times (111 \times (11 + (11 - 1)))) \\
&:= 22/2 + (222 \times (22 - 2/2)) \\
&:= 3 \times 3 + ((33/3)^3 + 3333) \\
&:= 4/4 + (4 \times (4 \times ((4 \times (4 + 4) + 4^4) + 4))) \\
&:= (55 \times (5 \times 5 + 55 + 5)) - (5 + 5)/5 \\
&:= 66/6 + ((6/6 + 6) \times 666) \\
&:= 77/7 + ((7 - 7/7) \times 777) \\
&:= 8/8 + (8 \times (8 \times (8 \times 8 + 8) + 8)) \\
&:= (9 + 9)/9 + (9 \times (((9 + 9)/9)^9 + 9) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4674 &:= 1 + (11 + ((1 + 1) \times (111 \times (11 + (11 - 1))))) \\
&:= 2 + (2^{2 \times (2+2+2)} + ((22 + 2)^2)) \\
&:= 3 + ((333 \times (33/3 + 3)) + 3 \times 3) \\
&:= (4 + 4)/4 + (4 \times (4 \times ((4 \times (4 + 4) + 4^4) + 4))) \\
&:= (55 \times (5 \times 5 + 55 + 5)) - 5/5 \\
&:= ((6 + 6) \times (6 \times 66 - 6)) - 6 \\
&:= (7 - 7/7) \times (((7 + 7)/7) + 777) \\
&:= (8 + 8)/8 + (8 \times (8 \times (8 \times 8 + 8) + 8)) \\
&:= (9/9 + 9 \times 9) \times (((((9 + 9)/9)^9) + 9/9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4675 &:= 11 + ((1 + 1) \times (1 + (111 \times (11 + (11 - 1))))) \\
&:= 2 + ((222 \times (22 - 2/2)) + 22/2) \\
&:= 3 + (((3/3 + 3)^3) \times (((3 + 3)^3 + 3)/3)) \\
&:= ((4 - 4/4)^4 + 4) \times (44/4 + 44) \\
&:= 55 \times (5 \times 5 + 55 + 5) \\
&:= 6 + ((6/6 + 6) \times (666 + 6/6)) \\
&:= 7 + ((7 - 7/7) \times (777 + 7/7)) \\
&:= 88/8 + (88 \times (8 \times 8 - 88/8)) \\
&:= 9999/9 + ((9 + 9) \times (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4676 &:= (1 + (1 + 1 + 11)) \times (1 + (1 + 1 + 1) \times 111) \\
&:= 2 \times ((2 \times 22 + 2)^2 + 222) \\
&:= (33/3 + 3) \times (333 + 3/3) \\
&:= 4^4 \times (4 \times 4 + 4) - 444 \\
&:= 5 \times 5 + ((5/5 + 5)^5 - 5^5) \\
&:= (6/6 + 6) \times (666 + (6 + 6)/6) \\
&:= 7 + (((7 - 7/7) \times 777) + 7) \\
&:= (8/((8 + 8)/8)) + (8 \times (8 \times (8 \times 8 + 8) + 8)) \\
&:= 9 \times (((9 + 9)/9)^9 + 9) - (99 + 9 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4677 &:= 1 + (1 + 1 + 1 + 11) \times (1 + (1 + 1 + 1) \times 111) \\
&:= 2/2 + (2 \times ((2 \times 22 + 2)^2 + 222)) \\
&:= ((3^3 - 3) \times (33 \times (3 + 3) - 3)) - 3 \\
&:= (4 + 4)^4 + ((4/4 + 4)^4 - 44) \\
&:= 5 \times 5 + (((5/5 + 5)^5 - 5^5) + 5/5) \\
&:= ((6 + 6) \times (6 \times 66 - 6)) - 6 \times 6/(6 + 6) \\
&:= 7 + (((7 - 7/7) \times 777) + 7/7) + 7 \\
&:= 8 + (((8 \times (8 \times (8 \times 8 + 8) + 8)) - (88/8)) + 8) \\
&:= 9 \times (((9 + 9)/9)^9 + 9) - (99 + 9)/9
\end{aligned}$$

- ▶ 4678 := $1 + (1 + (1 + 1 + 1 + 11) \times (1 + (1 + 1 + 1) \times 111))$
:= $2 + (2 \times ((2 \times 22 + 2)^2 + 222))$
:= $3 + (((3/3 + 3)^3) \times (((3 + 3)^3 + 3)/3) + 3)$
:= $4 \times 4 + (444/4 \times (44 - (4 + 4)/4))$
:= $5^5 + (((5/5 + 5)^5 - (55/5)/5)$
:= $((6 + 6) \times (6 \times 66 - 6)) - (6 + 6)/6$
:= $7 + (((7 - 7/7) \times 777) + ((7 + 7)/7) + 7)$
:= $8 + ((8 \times (8 \times (8 \times 8 + 8) + 8)) - ((8 + 8)/8))$
:= $9 \times (((9 + 9)/9)^9 + 9) - 99/9$
- ▶ 4679 := $((1 + 1 + 1) \times ((1 + 1 + 11) \times (11^{1+1} - 1))) - 1$
:= $((2 - 22) \times (22 - 2^{2 \times (2+2)})) - 2/2$
:= $3 + ((33/3 + 3) \times (333 + 3/3))$
:= $((4^4 + 4) \times ((4 + 4)/4 + 4 \times 4)) - 4/4$
:= $5 + ((55 \times (5 \times 5 + 55 + 5)) - 5/5)$
:= $((6 + 6) \times (6 \times 66 - 6)) - 6/6$
:= $7 + (((7 - 7/7) \times 777) + ((77 - 7)/7))$
:= $8 + ((8 \times (8 \times (8 \times 8 + 8) + 8)) - 8/8)$
:= $9 \times (((9 + 9)/9)^9 + 9) - 9/9 - 9$
- ▶ 4680 := $(1 + 1 + 1) \times ((1 + 1 + 11) \times (11^{1+1} - 1))$
:= $(2 - 22) \times (22 - 2^{2 \times (2+2)})$
:= $(3^3 - 3) \times (33 \times (3 + 3) - 3)$
:= $(4^4 + 4) \times ((4 + 4)/4 + 4 \times 4)$
:= $5 + (55 \times (5 \times 5 + 55 + 5))$
:= $(6 + 6) \times (6 \times 66 - 6)$
:= $(7/7 + 77) \times (77/7 + 7 \times 7)$
:= $8 + (8 \times (8 \times (8 \times 8 + 8) + 8))$
:= $9 \times (((9 + 9)/9)^9 + 9) - 9$
- ▶ 4681 := $1 + ((1 + 1 + 1) \times ((1 + 1 + 11) \times (11^{1+1} - 1)))$
:= $((22 - 2/2) \times (222 + 2/2)) - 2$
:= $3/3 + ((3^3 - 3) \times (33 \times (3 + 3) - 3))$
:= $4 + (((4/4 + 4)^4 - 44) + (4 + 4)^4)$
:= $5 + (((5/5 + 5)^5 - 5^5) + 5 \times 5)$
:= $6/6 + ((6 + 6) \times (6 \times 66 - 6))$
:= $7 + ((7 - 7/7) \times (((7 + 7)/7) + 777))$
:= $8 + ((8 \times (8 \times (8 \times 8 + 8) + 8)) + 8/8)$
:= $9/9 + (9 \times (((9 + 9)/9)^9 + 9) - 9)$
- ▶ 4682 := $((11 + (11 - 1)) \times (1 + (1 + 1) \times 111)) - 1$
:= $2 + ((2 - 22) \times (22 - 2^{2 \times (2+2)}))$
:= $3 + (((33/3 + 3) \times (333 + 3/3)) + 3)$
:= $4^4 + (4444 - ((4 + 4)/4 + 4 \times 4))$
:= $5^5 + ((5^5 - (55/5))/(5 + 5)/5)$
:= $(6 + 6)/6 + ((6 + 6) \times (6 \times 66 - 6))$
:= $7 + (((7 - 7/7) \times (777 + 7/7)) + 7)$
:= $8 + ((8 \times (8 \times (8 \times 8 + 8) + 8)) + ((8 + 8)/8))$
:= $(9 + 9)/9 + (9 \times (((9 + 9)/9)^9 + 9) - 9)$
- ▶ 4683 := $(11 + (11 - 1)) \times (1 + (1 + 1) \times 111)$
:= $(22 - 2/2) \times (222 + 2/2)$
:= $3 + ((3^3 - 3) \times (33 \times (3 + 3) - 3))$
:= $4^4 + (4444 - (4 \times 4 + 4/4))$
:= $5^5 + (((5^5 + 5/5)/(5 + 5)/5) - 5)$
:= $(6/6 + 6) \times ((6 \times 6/(6 + 6)) + 666)$
:= $7 + (((7 - 7/7) \times 777) + 7) + 7)$
:= $88/8 + (8 \times (8 \times (8 \times 8 + 8) + 8))$
:= $((9 + 9 + 9)/9) + (9 \times (((9 + 9)/9)^9 + 9) - 9)$
- ▶ 4684 := $1 + ((11 + (11 - 1)) \times (1 + (1 + 1) \times 111))$
:= $22 + (222 \times (22 - 2/2))$
:= $3 + (((3^3 - 3) \times (33 \times (3 + 3) - 3)) + 3/3)$
:= $4^4 + (4444 - 4 \times 4)$
:= $5^5 + ((5 \times (5^5 - 5)/(5 + 5)) - 5/5)$
:= $6 + (((6 + 6) \times (6 \times 66 - 6)) - ((6 + 6)/6))$
:= $7 \times 7 \times 7 \times (7 + 7) - (777/7 + 7)$
:= $((88 + 8)/8) + (8 \times (8 \times (8 \times 8 + 8) + 8))$
:= $((9 - 99)/(9 + 9)) + 9 \times (((9 + 9)/9)^9 + 9)$
- ▶ 4685 := $1 + (1 + ((11 + (11 - 1)) \times (1 + (1 + 1) \times 111)))$
:= $2 + ((22 - 2/2) \times (222 + 2/2))$
:= $3 \times 3 + ((33/3 + 3) \times (333 + 3/3))$
:= $4/4 + ((4444 - 4 \times 4) + 4^4)$
:= $5^5 + (5 \times (5^5 - 5)/(5 + 5))$
:= $6 + (((6 + 6) \times (6 \times 66 - 6)) - 6/6)$
:= $((7 - 777)/7) + (7 \times 7 \times 7 \times (7 + 7) - 7)$
:= $88 + (8 \times 8 \times (8 \times 8 + 8) - (88/8))$
:= $((9 - 9 \times 9)/(9 + 9)) + 9 \times (((9 + 9)/9)^9 + 9)$
- ▶ 4686 := $(1 + 1) \times (11 \times (((1 + 1) \times (1 + 111)) - 11))$
:= $2 \times ((22/2)^2 + 2222)$
:= $(3 - (3 + 3)^3) \times (33/3 - 33)$
:= $4444 + 44 \times 44/(4 + 4)$
:= $5 + (((5/5 + 5)^5 - 5^5) + 5 \times 5) + 5)$
:= $6 + ((6 + 6) \times (6 \times 66 - 6))$
:= $(7 - 7/7) \times ((777 - 7) + (77/7))$
:= $((8 + 8)/8) + 8 \times 8 \times ((8 \times 8 - 8/8) + 8)$
:= $9 \times (((9 + 9)/9)^9 + 9) - (9 + 9 + 9)/9$
- ▶ 4687 := $(111 - 1 - 1) \times (((1 + 1) \times (11 + 11)) - 1)$
:= $(2 \times 2222) + (22^2 + 2)/2$
:= $3/3 + ((3 - (3 + 3)^3) \times (33/3 - 33))$
:= $4444 + ((4 - 4/4)^{4+4/4})$
:= $5^5 + ((5^5 - 5/5)/(5 + 5)/5)$
:= $6 + (((6 + 6) \times (6 \times 66 - 6)) + 6/6)$
:= $7 + ((7/7 + 77) \times (77/7 + 7 \times 7))$
:= $8 + (((8 \times (8 \times (8 \times 8 + 8) + 8)) - 8/8) + 8)$
:= $9 \times (((9 + 9)/9)^9 + 9) - (9 + 9)/9$
- ▶ 4688 := $1 + ((111 - 1 - 1) \times (((1 + 1) \times (11 + 11)) - 1))$
:= $2 + ((2 \times 2222) + 22^2/2)$
:= $((33/3 + 3)^3) + (3 \times 3 \times (3 + 3)^3)$
:= $4 + ((4444 - 4 \times 4) + 4^4)$
:= $5^5 + ((5^5 + 5/5)/(5 + 5)/5)$
:= $(6 \times 66 \times (6 + 6)) - ((6 + 6)/6)^6$
:= $(7/7 + 7) \times (7 \times (77 + 7) - ((7 + 7)/7))$
:= $8 + ((8 \times (8 \times (8 \times 8 + 8) + 8)) + 8)$
:= $9 \times (((9 + 9)/9)^9 + 9) - 9/9$
- ▶ 4689 := $(1 + 1 + 1) \times (1 + (11 \times ((1 + 11)^{1+1} - (1 + 1))))$
:= $2 + ((2 \times 2222) + (22^2 + 2)/2)$
:= $3 \times ((3 \times ((3 - 3/3)^{3 \times 3})) + 3^3)$
:= $4^4 + (4444 - 44/4)$
:= $5^5 + ((5 \times (5^5 + 5)/(5 + 5)) - 5/5)$
:= $66 \times 66 + 666 \times 6/(6 + 6)$
:= $((7 + 7) \times (7 \times 7 \times 7 - 7)) - (7/7 + 7 + 7)$
:= $(8/8 + 8) \times ((8 \times 8 \times 8 + 8/8) + 8)$
:= $9 \times (((9 + 9)/9)^9 + 9)$
- ▶ 4690 := $(1 + 1) \times (11^{1+1} + ((1 + 1) \times (1 + 1111)))$
:= $2 \times (((22/2)^2 + 2222) + 2)$
:= $(33/3 + 3) \times ((333 - 3/3) + 3)$
:= $4^4 + ((4 - 44)/4 + 4444)$
:= $5^5 + (5 \times (5^5 + 5)/(5 + 5))$
:= $(66 + 6/6) \times (((6 + 6)/6)^6 + 6)$
:= $(7 + 7) \times (7 \times 7 \times 7 - (7/7 + 7))$
:= $8 + (((8 \times (8 \times (8 \times 8 + 8) + 8)) + ((8 + 8)/8)) + 8)$
:= $9/9 + 9 \times (((9 + 9)/9)^9 + 9)$
- ▶ 4691 := $1 + ((1 + 1) \times (11^{1+1} + ((1 + 1) \times (1 + 1111))))$
:= $(22^2 + 2)/2 + 2 \times (2222 + 2)$
:= $3^3 + ((33/3)^3 + 3333)$
:= $4^4 + 4444 - (4/4 + 4 + 4)$
:= $5^5 + ((5 \times (5^5 + 5)/(5 + 5)) + 5/5)$
:= $66/6 + ((6 + 6) \times (6 \times 66 - 6))$
:= $7 \times 7 \times 7 \times (7 + 7) - 777/7$
:= $8 + ((8 \times (8 \times (8 \times 8 + 8) + 8)) + (88/8))$
:= $(9 + 9)/9 + 9 \times (((9 + 9)/9)^9 + 9)$
- ▶ 4692 := $(1 + 1 + 1) \times ((1 + 1)^{11} - ((11 + 11)^{1+1}))$
:= $2 \times (((2 \times (22 + 2))^2 - 2) + 2 \times 22)$
:= $3 + ((333 \times (33/3 + 3)) + 3^3)$
:= $4^4 + (4444 - (4 + 4))$
:= $5 + (((5^5 - 5/5)/(5 + 5)/5) + 5^5)$
:= $6 + (((6 + 6) \times (6 \times 66 - 6)) + 6)$
:= $(7 - 7/7) \times ((777 - ((7 + 7)/7)) + 7)$
:= $8 + ((8 \times (8 \times (8 \times 8 + 8) + 8)) + ((88 + 8)/8))$
:= $((9 + 9 + 9)/9) + 9 \times (((9 + 9)/9)^9 + 9)$

- ▶ 4693 := $(1 + 1 + 11) \times (((1 + 1) \times (11 - 1)) - 1)^{1+1}$
:= $(22/2 + 2) \times ((22 - (2/2 + 2))^2)$
:= $3 + ((3/3 + 3)^{3+3} + 3 \times 33 \times (3 + 3))$
:= $4 + ((4444 - 44/4) + 4^4)$
:= $5 + (((5^5 + 5/5)/(5 + 5)/5) + 5^5)$
:= $6 + (((6 + 6) \times (6 \times 66 - 6)) + 6/6) + 6$
:= $((7 + 7) \times (7 \times 7 \times 7 - 7)) - 77/7$
:= $8 + ((8 \times 8 \times (8 \times 8 + 8) - (88/8)) + 88)$
:= $(9/9 + 9 + 9) \times (((9 + 9)/9)^{9-9/9} - 9)$
- ▶ 4694 := $1 + ((1 + 1 + 11) \times (((1 + 1) \times (11 - 1)) - 1)^{1+1})$
:= $(2 \times ((2 \times (22 + 2))^2) + 2 \times 22) - 2$
:= $(33/3 + 3 + 3)^3 - ((3 + 3)^3 + 3)$
:= $4^4 + (4444 - ((4 + 4)/4 + 4))$
:= $((5 + 5 + 5) \times (5^5 + 5)/(5 + 5)) - 5/5$
:= $6 + ((6 \times 66 \times (6 + 6)) - ((6 + 6)/6)^6)$
:= $((7 - 77)/7) + ((7 + 7) \times (7 \times 7 \times 7 - 7))$
:= $88 + (8 \times 8 \times (8 \times 8 + 8) - ((8 + 8)/8))$
:= $((9 \times 9 + 9)/(9 + 9)) + 9 \times (((9 + 9)/9)^9 + 9)$
- ▶ 4695 := $(1 + 1 + 1) \times (11 + (111 \times (1 + (1 + 1 + 11))))$
:= $2 + ((22/2 + 2) \times ((22 - (2/2 + 2))^2))$
:= $33 + (333 \times (33/3 + 3))$
:= $4^4 + (4444 - (4/4 + 4))$
:= $(5 + 5 + 5) \times (5^5 + 5)/(5 + 5)$
:= $6 + (666 \times 6/(6 + 6) + 66 \times 66)$
:= $((7 + 7) \times (7 \times 7 \times 7 - 7)) - ((7 + 7)/7 + 7)$
:= $88 + (8 \times 8 \times (8 \times 8 + 8) - 8/8)$
:= $9 + (9 \times (((9 + 9)/9)^9 + 9) - ((9 + 9 + 9)/9))$
- ▶ 4696 := $1 + ((1 + 1 + 1) \times (11 + (111 \times (1 + (1 + 1 + 11))))$
:= $2 \times (((2 \times (22 + 2))^2) + 2 \times 22)$
:= $3/3 + ((333 \times (33/3 + 3)) + 33)$
:= $4^4 + (4444 - 4)$
:= $55 + ((5/5 + 5)^5 - (5^5 + 5 + 5))$
:= $6 + ((66 + 6/6) \times (((6 + 6)/6)^6 + 6))$
:= $(7/7 + 7) \times (7 \times (77 + 7) - 7/7)$
:= $88 + 8 \times 8 \times (8 \times 8 + 8)$
:= $9 + (9 \times (((9 + 9)/9)^9 + 9) - ((9 + 9)/9))$
- ▶ 4697 := $11 \times (1 + ((1 + 1) \times (((1 + 1) \times (1 + 111)) - 11)))$
:= $2/2 + (2 \times (((2 \times (22 + 2))^2) + 2 \times 22))$
:= $(33/3 + 3 + 3)^3 - (3 + 3)^3$
:= $4/4 + ((4444 - 4) + 4^4)$
:= $5 + (((5^5 - 5/5)/(5 + 5)/5) + 5^5) + 5$
:= $(6/6 + 6) \times ((666 - 6/6) + 6)$
:= $((7 + 7) \times (7 \times 7 \times 7 - 7)) - 7$
:= $8/8 + (8 \times 8 \times (8 \times 8 + 8) + 88)$
:= $9 + (9 \times (((9 + 9)/9)^9 + 9) - 9/9)$
- ▶ 4698 := $(11 - 1 - 1) \times (11 + ((1 + 1)^{11-1-1} - 1))$
:= $2 + (2 \times (((2 \times (22 + 2))^2) + 2 \times 22))$
:= $3 \times (3 \times ((3 + 3) \times (3 \times 3^3 + 3 + 3)))$
:= $4^4 + (4444 - (4 + 4)/4)$
:= $(55 - 5/5) \times (((5 + 5)/5)^5 + 55)$
:= $6 \times 6 + ((6/6 + 6) \times 666)$
:= $7/7 + (((7 + 7) \times (7 \times 7 \times 7 - 7)) - 7)$
:= $88 + (8 \times 8 \times (8 \times 8 + 8) + ((8 + 8)/8))$
:= $9 + 9 \times (((9 + 9)/9)^9 + 9)$
- ▶ 4699 := $(1 + 1)^{11} + (11 \times (((1 + 1) \times 11^{1+1}) - 1))$
:= $2^{2 \times (2+2)} + ((2 \times 2222) - 2/2)$
:= $3^3 + (((3/3 + 3)^3) \times (((3 + 3)^3 + 3)/3))$
:= $4^4 + (4444 - 4/4)$
:= $5^5 + (((5 - 5/5)^5 - 5) + 555)$
:= $6 \times 6 + (((6/6 + 6) \times 666) + 6/6)$
:= $(7 + 7)/7 + (((7 + 7) \times (7 \times 7 \times 7 - 7)) - 7)$
:= $((8/8 + 8) \times (8 \times 8 \times 8 + 88/8)) - 8$
:= $9 + (9 \times (((9 + 9)/9)^9 + 9) + 9/9)$
- ▶ 4700 := $(1 + 1) \times ((11 - 1) \times (11 + ((1 + 1) \times (1 + 111))))$
:= $2^{2 \times (2+2)} + (2 \times 2222)$
:= $3 + ((33/3 + 3 + 3)^3 - (3 + 3)^3)$
:= $4^4 + 4444$
:= $5 + ((5 + 5 + 5) \times (5^5 + 5)/(5 + 5))$
:= $6 + (((6 \times 66 \times (6 + 6)) - ((6 + 6)/6)^6) + 6)$
:= $7 + (((7 + 7) \times (7 \times 7 \times 7 - 7)) - (77/7))$
:= $(8888 + 8 \times 8 \times 8)/(8 + 8)/8$
:= $99/9 + 9 \times (((9 + 9)/9)^9 + 9)$
- ▶ 4701 := $(1 + 1 + 1) \times (((1 + 111) \times (1 + (1 + 1 + 11))) - 1)$
:= $2/2 + ((2 \times 2222) + 2^{2 \times (2+2)})$
:= $((33/3 + 3) \times (333 + 3)) - 3$
:= $4/4 + (4444 + 4^4)$
:= $55 + ((5/5 + 5)^5 - (5^5 + 5))$
:= $((6/6 + 6) \times (666 + 6)) - 6 \times 6/(6 + 6)$
:= $((7 + 7) \times (7 \times 7 \times 7 - 7)) - (7 + 7 + 7)/7$
:= $8 \times (8 \times 8 \times 8 + 88) - (88/8 + 88)$
:= $(99 + 9)/9 + 9 \times (((9 + 9)/9)^9 + 9)$
- ▶ 4702 := $(1 + 1) \times (((1 + 111) \times (11 + (11 - 1))) - 1)$
:= $((22 + 2) \times ((2^{2+2} - 2)^2)) - 2$
:= $3/3 + (((33/3 + 3) \times (333 + 3)) - 3)$
:= $4^4 + (4444 + (4 + 4)/4)$
:= $55 + (((5/5 + 5)^5 - (5^5 + 5)) + 5/5)$
:= $((6/6 + 6) \times (666 + 6)) - (6 + 6)/6$
:= $((7 + 7) \times (7 \times 7 \times 7 - 7)) - (7 + 7)/7$
:= $8 + ((8 \times 8 \times (8 \times 8 + 8) - ((8 + 8)/8)) + 88)$
:= $((99 + 9 + 9)/9) + 9 \times (((9 + 9)/9)^9 + 9)$
- ▶ 4703 := $((1 + 1) \times ((1 + 111) \times (11 + (11 - 1)))) - 1$
:= $((22 + 2) \times ((2^{2+2} - 2)^2)) - 2/2$
:= $(33/3)^3 + ((3 \times 3 + 3 + 3)^3 - 3)$
:= $4 + ((4444 - 4/4) + 4^4)$
:= $5 + ((55 - 5/5) \times (((5 + 5)/5)^5 + 55))$
:= $((6/6 + 6) \times (666 + 6)) - 6/6$
:= $((7 + 7) \times (7 \times 7 \times 7 - 7)) - 7/7$
:= $8 + ((8 \times 8 \times (8 \times 8 + 8) - 8/8) + 88)$
:= $9 + (9 \times (((9 + 9)/9)^9 + 9) + ((9 \times 9 + 9)/(9 + 9)))$
- ▶ 4704 := $(1 + 1) \times ((1 + 111) \times (11 + (11 - 1)))$
:= $(22 + 2) \times ((2^{2+2} - 2)^2)$
:= $(33/3 + 3) \times (333 + 3)$
:= $4 + (4444 + 4^4)$
:= $5^5 + ((5 - 5/5)^5 + 555)$
:= $(6/6 + 6) \times (666 + 6)$
:= $(7 + 7) \times (7 \times 7 \times 7 - 7)$
:= $8 + (8 \times 8 \times (8 \times 8 + 8) + 88)$
:= $99 + (9 \times ((9 + 9)/9)^9 - ((9 + 9 + 9)/9))$
- ▶ 4705 := $1 + ((1 + 1) \times ((1 + 111) \times (11 + (11 - 1))))$
:= $2/2 + ((22 + 2) \times ((2^{2+2} - 2)^2))$
:= $3/3 + ((33/3 + 3) \times (333 + 3))$
:= $4 + ((4444 + 4^4) + 4/4)$
:= $5 + (((5 + 5 + 5) \times (5^5 + 5)/(5 + 5)) + 5)$
:= $6/6 + ((6/6 + 6) \times (666 + 6))$
:= $7/7 + ((7 + 7) \times (7 \times 7 \times 7 - 7))$
:= $8 + ((8 \times 8 \times (8 \times 8 + 8) + 8/8) + 88)$
:= $99 + (9 \times ((9 + 9)/9)^9 - ((9 + 9)/9))$
- ▶ 4706 := $(1 + 1) \times (1 + ((1 + 111) \times (11 + (11 - 1))))$
:= $2 + ((22 + 2) \times ((2^{2+2} - 2)^2))$
:= $(33/3)^3 + (3 \times 3 + 3 + 3)^3$
:= $4 + ((4444 + (4 + 4)/4) + 4^4)$
:= $55 + ((5/5 + 5)^5 - 5^5)$
:= $(6 + 6)/6 + ((6/6 + 6) \times (666 + 6))$
:= $(7 + 7)/7 + ((7 + 7) \times (7 \times 7 \times 7 - 7))$
:= $8 + ((8 \times 8 \times (8 \times 8 + 8) + ((8 + 8)/8)) + 88)$
:= $99 + (9 \times ((9 + 9)/9)^9 - 9/9)$
- ▶ 4707 := $(11 - 1 - 1) \times (11 + (1 + 1)^{11-1-1})$
:= $(22 \times (222 - 2 \times (2 + 2))) - 2/2$
:= $333 + ((3 + 3) \times 3^{3+3})$
:= $(44 \times (444/4 - 4)) - 4/4$
:= $55 + (((5/5 + 5)^5 - 5^5) + 5/5)$
:= $66 + ((6 \times 66 \times (6 + 6)) - 666/6)$
:= $(7 + 7 + 7)/7 + ((7 + 7) \times (7 \times 7 \times 7 - 7))$
:= $(8/8 + 8) \times (8 \times 8 \times 8 + 88/8)$
:= $99 + 9 \times ((9 + 9)/9)^9$

$$\begin{aligned}
\blacktriangleright 4708 &:= 11 \times ((11 \times ((1+1+1) \times (1+1+11))) - 1) \\
&:= 22 \times (222 - 2 \times (2+2)) \\
&:= 3/3 + (((3+3) \times 3^{3+3}) + 333) \\
&:= 44 \times (444/4 - 4) \\
&:= 55 + (((5/5+5)^5 - 5^5) + ((5+5)/5)) \\
&:= (((6+6)/6)^{6+6}) + 6 \times (6 \times 6 + 66) \\
&:= 77/7 + (((7+7) \times (7 \times 7 \times 7 - 7)) - 7) \\
&:= 8 + ((8888 + 8 \times 8 \times 8)/(8+8)/8) \\
&:= 9/9 + (9 \times ((9+9)/9)^9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4709 &:= (1+1)^{11} + (((1+1) \times 11^{1+1+1}) - 1) \\
&:= 2/2 + (22 \times (222 - 2 \times (2+2))) \\
&:= 3 + ((3 \times 3 + 3 + 3)^3 + (33/3)^3) \\
&:= 4/4 + (44 \times (444/4 - 4)) \\
&:= 5 + (((5-5/5)^5 + 555) + 5^5) \\
&:= (6 \times (66 \times (6+6) - 6)) - 6/6 - 6 \\
&:= 7 + (((7+7) \times (7 \times 7 \times 7 - 7)) - ((7+7)/7)) \\
&:= ((8/8+88) \times (8 \times 8 - 88/8)) - 8 \\
&:= 9 + (9 \times (((9+9)/9)^9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4710 &:= (1+1)^{11} + ((1+1) \times 11^{1+1+1}) \\
&:= 2 + (22 \times (222 - 2 \times (2+2))) \\
&:= 3 + (((3+3) \times 3^{3+3}) + 333) \\
&:= 4^4 + (4444 + (44-4)/4) \\
&:= 5^5 + (5 \times ((5^5 - 5)/(5+5) + 5)) \\
&:= (6 \times (66 \times (6+6) - 6)) - 6 \\
&:= 7 + (((7+7) \times (7 \times 7 \times 7 - 7)) - 7/7) \\
&:= 8 \times 8 \times (8 \times 8 + 8) + ((888 - 8)/8 - 8) \\
&:= 999/9 + (9 \times ((9+9)/9)^9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4711 &:= 1 + ((1+1)^{11} + ((1+1) \times 11^{1+1+1})) \\
&:= 2 + ((22 \times (222 - 2 \times (2+2))) + 2/2) \\
&:= 3 + (((3+3) \times 3^{3+3}) + 333) + 3/3 \\
&:= 4^4 + (4444 + 44/4) \\
&:= 5 + (((5/5+5)^5 - 5^5) + 55) \\
&:= 6/6 + ((6 \times (66 \times (6+6) - 6)) - 6) \\
&:= 7 + ((7+7) \times (7 \times 7 \times 7 - 7)) \\
&:= 888/8 + (8 \times 8 \times (8 \times 8 + 8) - 8) \\
&:= ((99+99)/9) + 9 \times (((9+9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4712 &:= (1+1)^{11} + (1+1) \times (1+11^{1+1+1}) \\
&:= 2 + ((22 \times (222 - 2 \times (2+2))) + 2) \\
&:= 3 + (((3 \times 3 + 3 + 3)^3 + (33/3)^3) + 3) \\
&:= 4 + (44 \times (444/4 - 4)) \\
&:= 5 + (((5/5+5)^5 - 5^5) + 55) + 5/5 \\
&:= (6+6)/6 + ((6 \times (66 \times (6+6) - 6)) - 6) \\
&:= 7 + (((7+7) \times (7 \times 7 \times 7 - 7)) + 7/7) \\
&:= 8 \times (8 \times 8 \times 8 + 88) - 88 \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (9999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4713 &:= 1 + (1+1)^{11} + (1+1) \times (1+11^{1+1+1}) \\
&:= (22 \times 222) - (((22/2+2)^2) + 2) \\
&:= 3^{3+3} + (3 \times ((33/3)^3 - 3)) \\
&:= (4+4)^4 + ((4/4+4)^4 - (4+4)) \\
&:= 5 \times 5 + (((5^5 + 5/5)/(5+5)/5) + 5^5) \\
&:= (6 \times (66 \times (6+6) - 6)) - 6 \times 6/(6+6) \\
&:= 7 + (((7+7) \times (7 \times 7 \times 7 - 7)) + ((7+7)/7)) \\
&:= 8/8 + (8 \times (8 \times 8 \times 8 + 88) - 88) \\
&:= 9 + ((9 \times ((9+9)/9)^9 - ((9+9+9)/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4714 &:= (1+1)^{11} + (1+1) \times (1+1+11^{1+1+1}) \\
&:= 22^2 + ((2 \times (2 \times 22 + 2)^2) - 2) \\
&:= 3/3 + ((3 \times ((33/3)^3 - 3)) + 3^{3+3}) \\
&:= (4+4)/4 + (((4-4/4)+4)^4) - 44 \\
&:= 5 + (((5-5/5)^5 + 555) + 5^5) + 5 \\
&:= (6 \times (66 \times (6+6) - 6)) - (6+6)/6 \\
&:= ((77-7)/7) + ((7+7) \times (7 \times 7 \times 7 - 7)) \\
&:= 88 + ((8/8+8) \times (8 \times 8 \times 8 + (8+8)/8)) \\
&:= 9 + ((9 \times ((9+9)/9)^9 - ((9+9)/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4715 &:= 11 + ((1+1) \times ((1+11) \times (11 + (11-1)))) \\
&:= (22 \times 222) - ((22/2+2)^2) \\
&:= (33/3 + 3 + 3)^3 - 33 \times (3+3) \\
&:= 4 + ((4444 + 44/4) + 4^4) \\
&:= 5^5 + (5 \times ((5^5 + 5)/(5+5) + 5)) \\
&:= (6 \times (66 \times (6+6) - 6)) - 6/6 \\
&:= 77/7 + ((7+7) \times (7 \times 7 \times 7 - 7)) \\
&:= 8 + ((8/8+8) \times (8 \times 8 \times 8 + 88/8)) \\
&:= 9 + ((9 \times ((9+9)/9)^9 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4716 &:= (1+1+1) \times ((1+11) \times ((11 \times (1+11)) - 1)) \\
&:= 22^2 + (2 \times (2 \times 22 + 2)^2) \\
&:= (3+3) \times ((33 \times (3^3 - 3)) - (3+3)) \\
&:= 4 \times 4 + (4444 + 4^4) \\
&:= 5 + (((5/5+5)^5 - 5^5) + 55) + 5 \\
&:= 6 \times (66 \times (6+6) - 6) \\
&:= (7-7/7) \times (((7+7)/7) + 777) + 7 \\
&:= (8/8+8) \times (((88+8)/8) + 8 \times 8 \times 8) \\
&:= 9 + (9 \times ((9+9)/9)^9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4717 &:= 1 + ((1+1+1) \times ((1+11) \times ((11 \times (1+11)) - 1))) \\
&:= 2 + ((22 \times 222) - ((22/2+2)^2)) \\
&:= ((3/3+3+3)^3) + ((3+3) \times 3^{3+3}) \\
&:= (4+4)^4 + ((4/4+4)^4 - 4) \\
&:= 55 + (((5/5+5)^5 - 5^5) + (55/5)) \\
&:= 6/6 + (6 \times (66 \times (6+6) - 6)) \\
&:= 7 + (((7+7) \times (7 \times 7 \times 7 - 7)) - 7/7) + 7 \\
&:= (8/8+88) \times (8 \times 8 - 88/8) \\
&:= 9 + ((9 \times ((9+9)/9)^9 + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4718 &:= (11 \times (11 \times ((1+1+1) \times (1+1+11)))) - 1 \\
&:= 2 + ((2 \times (2 \times 22 + 2)^2) + 22^2) \\
&:= (33/3 + 3) \times ((333 + 3/3) + 3) \\
&:= 4/4 + (((4/4+4)^4 - 4) + (4+4)^4) \\
&:= ((5+5)/5 + 5) \times (((5^5 - 5)/5 - 5) + 55) \\
&:= (6+6)/6 + (6 \times (66 \times (6+6) - 6)) \\
&:= 7 + (((7+7) \times (7 \times 7 \times 7 - 7)) + 7) \\
&:= 8 \times 8 \times (8 \times 8 + 8) + (888 - 8)/8 \\
&:= 99 + (9 \times ((9+9)/9)^9 + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4719 &:= 11 \times (11 \times ((1+1+1) \times (1+1+11))) \\
&:= 222/2 + (2 \times ((2 \times (22+2))^2)) \\
&:= 33 \times (((333-3)/3) + 33) \\
&:= 44/4 + (44 \times (444/4 - 4)) \\
&:= 5^5 + (((5-5/5)^5 - 55) + 5^5/5) \\
&:= 6 \times 666 + (((6 \times 6/(6+6))^6) - 6) \\
&:= 7 + (((7+7) \times (7 \times 7 \times 7 - 7)) + 7/7) + 7 \\
&:= 888/8 + 8 \times 8 \times (8 \times 8 + 8) \\
&:= 999/9 + 9 \times ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4720 &:= 1 + (11 \times (11 \times ((1+1+1) \times (1+1+11)))) \\
&:= 22^2 + (2 \times ((2 \times 22 + 2)^2) + 2) \\
&:= (3 \times (3+3))^3 - ((3333+3)/3) \\
&:= 4 \times ((4 \times ((4^4 - 4) + 44)) - 4) \\
&:= 5 \times ((5-5/5)^5 - (5 \times 5 + 55)) \\
&:= 6 + ((6 \times (66 \times (6+6) - 6)) - ((6+6)/6)) \\
&:= (7/7+7) \times (7 \times (77+7) + ((7+7)/7)) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 88) - 88) \\
&:= 9 \times ((9+9)/9)^9 + ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4721 &:= 1 + (1 + (11 \times (11 \times ((1+1+1) \times (1+1+11)))))) \\
&:= 2 + ((2 \times ((2 \times (22+2))^2)) + 222/2) \\
&:= (3 \times (3+3))^3 - 3333/3 \\
&:= (4+4)^4 + (4/4+4)^4 \\
&:= 5^5/5 + (5-5/5)^{5/5+5} \\
&:= 6 + ((6 \times (66 \times (6+6) - 6)) - 6/6) \\
&:= ((7-7/7) \times (77/7 + 777)) - 7 \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 88) - 88) + 8/8) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4722 &:= (1+1+1) \times (1 + (11 \times (11 \times (1+1+11)))) \\
&:= 2222 + (2 \times (22+2) + 2)^2 \\
&:= 3^{3+3} + (3 \times (33/3)^3) \\
&:= 4/4 + ((4/4+4)^4 + (4+4)^4) \\
&:= (5^5 + 5)/5 + (5-5/5)^{5/5+5} \\
&:= 6 + (6 \times (66 \times (6+6) - 6)) \\
&:= 7 + (((7+7) \times (7 \times 7 \times 7 - 7)) + (77/7)) \\
&:= ((8 \times 8 - (8/8+8)) \times (88 - ((8+8)/8))) - 8 \\
&:= 9 \times 9 \times (9 \times 9 - 9) + ((9 - 9999)/9)
\end{aligned}$$

- 4723 := $1 + ((1 + 1 + 1) \times (1 + (11 \times (11 \times (1 + 1 + 11)))))$
:= $222/2 + (2 \times ((2 \times (22 + 2))^2) + 2)$
:= $3/3 + ((3 \times (33/3)^3) + 3^{3+3})$
:= $(4 + 4)^4 + ((4/4 + 4)^4 + (4 + 4)/4)$
:= $(5^5 + 5 + 5)/5 + (5 - 5/5)^{5/5+5}$
:= $6 + ((6 \times (66 \times (6 + 6) - 6)) + 6/6)$
:= $7 \times 7 \times 7 \times (7 + 7) - ((7 + 7)/7 + 77)$
:= $8 + (((8/8 + 8) \times (8 \times 8 \times 8 + 88/8)) + 8)$
:= $((99/9) \times (((9 + 9)/9)^9 - 9 \times 9)) - (9 + 9)$
- 4724 := $(1 + 1)^{11} + ((1 + 11) \times (1 + (1 + 1) \times 111))$
:= $2 + ((2 \times (22 + 2) + 2)^2 + 2222)$
:= $3 + ((3 \times (3 + 3))^3 - 3333/3)$
:= $4 + (4 \times ((4 \times ((4^4 - 4) + 44)) - 4))$
:= $(5 - 5/5) \times ((5^5 + 5)/5 + 555)$
:= $6 + ((6 \times (66 \times (6 + 6) - 6)) + ((6 + 6)/6))$
:= $7 \times 7 \times 7 \times (7 + 7) - 7/7 - 77$
:= $8 + ((8/8 + 8) \times ((88 + 8)/8 + 8 \times 8 \times 8))$
:= $9 + (((9 \times (9 + 9)/9)^9 - 9/9) + 99 + 9)$
- 4725 := $(11 + (11 - 1)) \times (1 + ((1 + 1) \times (1 + 111)))$
:= $(22 - 2/2) \times ((222 + 2/2) + 2)$
:= $3 + ((3 \times (33/3)^3) + 3^{3+3})$
:= $4 + ((4/4 + 4)^4 + (4 + 4)^4)$
:= $5 \times (5 \times 5 \times (55 + 5)) - 555$
:= $6 \times 666 + ((6 \times 6/(6 + 6))^6)$
:= $7 \times 7 \times 7 \times (7 + 7) - 77$
:= $(8 \times 8 - 8/8) \times (88/8 + 8 \times 8)$
:= $9 + ((9 \times (9 + 9)/9)^9 + 99 + 9)$
- 4726 := $1 + ((11 + (11 - 1)) \times (1 + ((1 + 1) \times (1 + 111))))$
:= $22 + ((22 + 2) \times ((2^{2+2} - 2)^2))$
:= $3 + (((3 \times (33/3)^3) + 3^{3+3}) + 3/3)$
:= $4 + (((4/4 + 4)^4 + (4 + 4)^4) + 4/4)$
:= $5 + ((5 - 5/5)^{5/5+5} + 5^5/5)$
:= $666 + (((6 + 6)/6)^{6+6} - 6 \times 6)$
:= $7/7 + (7 \times 7 \times 7 \times (7 + 7) - 77)$
:= $8 + (8 \times 8 \times (8 \times 8 + 8) + (888 - 8)/8)$
:= $9 + (((9 \times (9 + 9)/9)^9 + 99) + 9/9 + 9)$
- 4727 := $1 + (1 + ((11 + (11 - 1)) \times (1 + ((1 + 1) \times (1 + 111))))$
:= $2 + ((22 - 2/2) \times ((222 + 2/2) + 2))$
:= $3 + (((3 \times (3 + 3))^3 - 3333/3) + 3)$
:= $4 + (((4/4 + 4)^4 + (4 + 4)^4) + (4 + 4)/4)$
:= $5 + ((5 - 5/5)^{5/5+5} + (5^5 + 5)/5)$
:= $66/6 + (6 \times (66 \times (6 + 6) - 6))$
:= $(7 + 7)/7 + (7 \times 7 \times 7 \times (7 + 7) - 77)$
:= $8 + (8 \times 8 \times (8 \times 8 + 8) + 888/8)$
:= $(99/9 + 9 + 9) \times (9 \times (9 + 9) + 9/9)$
- 4728 := $(1 + 1) \times ((1 + 11) \times (1 + (1 + 1 + 1 + 11)^{1+1}))$
:= $(22 + 2) \times (((2^{2+2} - 2)^2) + 2/2)$
:= $(3^3 - 3) \times (33 \times (3 + 3) - 3/3)$
:= $(4 \times (4 \times ((4^4 - 4) + 44))) - 4 - 4$
:= $(5 - 5/5) \times ((5^5 + 5 + 5)/5 + 555)$
:= $6 + ((6 \times (66 \times (6 + 6) - 6)) + 6)$
:= $(7 - 7/7) \times (77/7 + 777)$
:= $(8 \times ((8 \times (8 \times 8 + 8) + 8) + 8)) - 8$
:= $9 + (9 \times ((9 + 9)/9)^9 + 999/9)$
- 4729 := $((11 - 1) \times ((11 + 11)^{1+1})) - 111$
:= $(22/2)^2 + (2 \times ((2 \times (22 + 2))^2))$
:= $3/3 + ((3^3 - 3) \times (33 \times (3 + 3) - 3/3))$
:= $4 + (((4/4 + 4)^4 + (4 + 4)^4) + 4)$
:= $(55 \times (555/5 - 5 \times 5)) - 5/5$
:= $6 + (((6 \times (66 \times (6 + 6) - 6)) + 6/6) + 6)$
:= $7 + (((7 + 7) \times (7 \times 7 \times 7 - 7)) + (77/7) + 7)$
:= $8/8 + ((8 \times ((8 \times (8 \times 8 + 8) + 8) + 8)) - 8)$
:= $9 + (9 \times ((9 + 9)/9)^9 + (999 + 9)/9)$
- 4730 := $11 \times (((11 + (11 - 1))^{1+1}) - 11)$
:= $22 + (22 \times (222 - 2 \times (2 + 2)))$
:= $(33 - 33/3) \times ((3 + 3)^3 - 3/3)$
:= $(44 - 4/4) \times (444 - 4)/4$
:= $55 \times (555/5 - 5 \times 5)$
:= $66/6 \times ((6 \times (66 + 6)) - ((6 + 6)/6))$
:= $((7/7 - 7) + 7 \times 7) \times (777 - 7)/7$
:= $(8 \times 8 - (8/8 + 8)) \times (88 - ((8 + 8)/8))$
:= $9 + (9 \times 9 \times (9 \times 9 - 9) - 9999/9)$
- 4731 := $1 + (11 \times (((11 + (11 - 1))^{1+1}) - 11))$
:= $2 + ((2 \times ((2 \times (22 + 2))^2) + (22/2)^2)$
:= $3^{3+3} + 3 \times ((33/3)^3 + 3)$
:= $(4 \times (4 \times ((4^4 - 4) + 44))) - 4/4 - 4$
:= $5 \times 5 + (((5/5 + 5)^5 - 5^5) + 55)$
:= $6 + (((6 \times 6/(6 + 6))^6) + 6 \times 666)$
:= $7 + (7 \times 7 \times 7 \times (7 + 7) - (7/7 + 77))$
:= $(88/8 + 8) \times (((8 + 8) \times (8 + 8) - 8) + 8/8)$
:= $9 + (((9 - 9999)/9) + 9 \times 9 \times (9 \times 9 - 9))$
- 4732 := $(1 + 1 + 11) \times (1 + (11 \times (11 \times (1 + 1 + 1))))$
:= $2 \times (((2 \times (2 + 2 + 2))^2) + 2222)$
:= $3/3 + (3 \times ((33/3)^3 + 3) + 3^{3+3})$
:= $(4 \times (4 \times ((4^4 - 4) + 44))) - 4$
:= $(5 + 5)/5 + (55 \times (555/5 - 5 \times 5))$
:= $(6/6 + 6) \times ((66 - 6)/6 + 666)$
:= $7 + (7 \times 7 \times 7 \times (7 + 7) - 77)$
:= $888 + ((8 \times 8 - ((8 + 8)/8))^{(8+8)/8})$
:= $((99/9) \times (((9 + 9)/9)^9 - 9 \times 9)) - 9$
- 4733 := $1 + ((1 + 1 + 11) \times (1 + (11 \times (11 \times (1 + 1 + 1))))$
:= $(22/2)^2 + (2 \times (((2 \times (22 + 2))^2) + 2))$
:= $((3 + 3) \times ((33 \times (3^3 - 3)) - 3)) - 3/3$
:= $4 + (((4/4 + 4)^4 + (4 + 4)^4) + 4) + 4$
:= $5 + ((5 - 5/5) \times ((5^5 + 5 + 5)/5 + 555))$
:= $6 + ((6 \times (66 \times (6 + 6) - 6)) + (66/6))$
:= $7 + ((7 \times 7 \times 7 \times (7 + 7) - 77) + 7/7)$
:= $8 + ((8 \times 8 - 8/8) \times (88/8 + 8 \times 8))$
:= $9 + (((9 \times (9 + 9)/9)^9 - 9/9) + 99) + 9 + 9$
- 4734 := $((((1 + 1 + 1)^{1+1+1}) - 1)/(1 + 111)) - 11$
:= $(2/2 + 2) \times ((2 \times (22 - 2))^2 - 22)$
:= $(3 + 3) \times ((33 \times (3^3 - 3)) - 3)$
:= $4 + ((44 - 4/4) \times (444 - 4)/4)$
:= $5 + ((55 \times (555/5 - 5 \times 5)) - 5/5)$
:= $(6 \times 66 \times (6 + 6)) - 6 - 6 - 6$
:= $(7 - 7/7) \times ((77 + 7)/7 + 777)$
:= $(8 \times ((8 \times (8 \times 8 + 8) + 8) + 8)) - (8 + 8)/8$
:= $9 + (((9 \times (9 + 9)/9)^9 + 99) + 9) + 9$
- 4735 := $111 + (((1 + 1) \times (1 + 11 \times (1 + 1 + 1)))^{1+1})$
:= $222/2 + (((2^{2+2+2} + 2) + 2)^2)$
:= $3/3 + ((3 + 3) \times ((33 \times (3^3 - 3)) - 3))$
:= $(4 \times (4 \times ((4^4 - 4) + 44))) - 4/4$
:= $5 + (55 \times (555/5 - 5 \times 5))$
:= $(6 \times 66 \times (6 + 6)) - (66/6 + 6)$
:= $7 + ((7 - 7/7) \times (77/7 + 777))$
:= $(8 \times ((8 \times (8 \times 8 + 8) + 8) + 8)) - 8/8$
:= $((9 - 9/9) \times (((9 + 9)/9)^9 + 9 \times 9)) - 9$
- 4736 := $(111 \times (1 + 1)^{11-1-1})/(1 + 11)$
:= $2 \times (((2 \times (22 + 2))^2) + 2^{2+2+2})$
:= $((3/3 + 3)^3) \times (((3 + 3)^3 - 3)/3 + 3)$
:= $4 \times (4 \times ((4^4 - 4) + 44))$
:= $5 + ((55 \times (555/5 - 5 \times 5)) + 5/5)$
:= $(6 - 66)/6 + ((6 \times 66 \times (6 + 6)) - 6)$
:= $77/7 + (7 \times 7 \times 7 \times (7 + 7) - 77)$
:= $8 \times ((8 \times (8 \times 8 + 8) + 8) + 8)$
:= $9 + ((99/9 + 9 + 9) \times (9 \times (9 + 9) + 9/9))$
- 4737 := $1 + ((111 \times (1 + 1)^{11-1-1})/(1 + 11))$
:= $((2/2 + 2) \times (22 + 2/2))^2 - 22 - 2$
:= $3 + ((3 + 3) \times ((33 \times (3^3 - 3)) - 3))$
:= $4 \times 4 + ((4/4 + 4)^4 + (4 + 4)^4)$
:= $(5 - (5 + 5)/5) \times ((5 - 5/5)^5 + 555)$
:= $6 + (((6 \times 6/(6 + 6))^6) + 6 \times 666) + 6$
:= $7 + (((7/7 - 7) + 7 \times 7) \times (777 - 7)/7)$
:= $8/8 + (8 \times ((8 \times (8 \times 8 + 8) + 8) + 8))$
:= $9 + ((9 \times (9 + 9)/9)^9 + 999/9) + 9$

$$\begin{aligned}
\blacktriangleright 4738 &:= ((1+1+1) \times ((11 \times (1+11)^{1+1}) - 1)) - 11 \\
&:= (22+2/2) \times (222-2^{2+2}) \\
&:= 3 + (((3+3) \times ((33 \times (3^3-3)) - 3)) + 3/3) \\
&:= (4+4)/4 + (4 \times (4 \times ((4^4-4) + 44))) \\
&:= 55 + (((5^5+5/5)/((5+5)/5)) - 5) + 5^5 \\
&:= ((6+6)/6) \times (6 \times 6 \times 66 - (6/6+6)) \\
&:= 77 + (((7-7/7) \times 777) - 7/7) \\
&:= (8+8)/8 + (8 \times ((8 \times (8 \times 8+8) + 8) + 8)) \\
&:= ((9 \times (9 \times (99+9+9))) - 9/9)/(9+9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4739 &:= (11 \times ((11 + (11 - 1)^{1+1})) - (1 + 111)) \\
&:= (((2/2+2) \times (22+2/2)^2) - 22) \\
&:= 3 + (((3/3+3)^3) \times (((3+3)^3-3)/3) + 3) \\
&:= 4 + ((4 \times (4 \times ((4^4-4) + 44))) - 4/4) \\
&:= 5^5 + ((5/5+5) \times (5 \times 55 - (5/5+5))) \\
&:= (6/6+6) \times (666 + (66/6)) \\
&:= 77 + ((7-7/7) \times 777) \\
&:= 88/8 + ((8 \times ((8 \times (8 \times 8+8) + 8) + 8)) - 8) \\
&:= ((9 \times (9 \times (99+9+9))) + 9/9)/(9+9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4740 &:= (11-1) \times (1 + (((11+11)^{1+1}) - 11)) \\
&:= 2 \times ((2 \times (2+2+2)^{2+2}) - 222) \\
&:= (3/3+3) \times ((33 \times (33+3)) - 3) \\
&:= 4 + (4 \times (4 \times ((4^4-4) + 44))) \\
&:= (55+5) \times ((55-5/5) + 5 \times 5) \\
&:= (6+6) \times (6 \times 66 - 6/6) \\
&:= 7/7 + (((7-7/7) \times 777) + 77) \\
&:= (8/((8+8)/8)) + (8 \times ((8 \times (8 \times 8+8) + 8) + 8)) \\
&:= ((99/9) \times (((9+9)/9)^9 - 9 \times 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4741 &:= 11 \times (((1+1+1) \times (1+11)^{1+1}) - 1) \\
&:= 2 + (((2/2+2) \times (22+2/2)^2) - 22) \\
&:= 33/3 \times (((3+3)^{3/3+3}) - 3)/3 \\
&:= 4 + (((4/4+4)^4 + (4+4)^4) + 4 \times 4) \\
&:= (5/5+5)^5 - ((55 \times 55+5) + 5) \\
&:= (6 \times 66 \times (6+6)) - 66/6 \\
&:= (7 \times ((7 \times 7 \times (7+7)) - 7)) - (77+7)/7 \\
&:= 8 + (((8 \times 8 - 8/8) \times (88/8+8 \times 8)) + 8) \\
&:= 99/9 \times (((9+9)/9)^9 - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4742 &:= 1 + (11 \times (((1+1+1) \times (1+11)^{1+1}) - 1)) \\
&:= 2 + (2 \times ((2 \times (2+2+2)^{2+2}) - 222)) \\
&:= (3 \times (3+3))^3 - (33 \times 33 + 3/3) \\
&:= 4 + ((4 \times (4 \times ((4^4-4) + 44))) + (4+4)/4) \\
&:= 55 + (((5^5-5/5)/((5+5)/5)) + 5^5) \\
&:= (6-66)/6 + (6 \times 66 \times (6+6)) \\
&:= (7 \times ((7 \times 7 \times (7+7)) - 7)) - 77/7 \\
&:= 8 \times 8 \times 88 - (888 + ((8+8)/8)) \\
&:= 9/9 + ((99/9) \times (((9+9)/9)^9 - 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4743 &:= 1 + (1 + (11 \times (((1+1+1) \times (1+11)^{1+1}) - 1))) \\
&:= (2/2+2)^2 \times ((22+2/2)^2 - 2) \\
&:= (3 \times (3+3))^3 - 33 \times 33 \\
&:= 44 + ((4444-4/4) + 4^4) \\
&:= 55 + (((5^5+5/5)/((5+5)/5)) + 5^5) \\
&:= (((6-66)+6)/6) + (6 \times 66 \times (6+6)) \\
&:= ((7-77)/7) + (7 \times ((7 \times 7 \times (7+7)) - 7)) \\
&:= 8 \times 8 \times 88 - (888 + 8/8) \\
&:= 9 \times (((9 \times 9 \times 99+9)/(9+9)) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4744 &:= (((1+1+1)^{1+11}) - 1)/(1+111) - 1 \\
&:= 2 \times (((2^{2+2}+2)^2) + 2^{22/2}) \\
&:= 3 \times (3+3)^3 + (3/3+3)^{3+3} \\
&:= 44 + (4444 + 4^4) \\
&:= 5^5 + ((5 \times (5 \times (55+5+5))) - (5/5+5)) \\
&:= (6 \times 66 \times (6+6)) - ((6+6)/6+6) \\
&:= (7 \times ((7 \times 7 \times (7+7)) - 7)) - ((7+7)/7+7) \\
&:= 8 \times 8 \times 88 - 888 \\
&:= (9-9/9) \times (((9+9)/9)^9 + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4745 &:= (((1+1+1)^{1+11}) - 1)/(1+111) \\
&:= 2 + ((2/2+2)^2 \times ((22+2/2)^2 - 2)) \\
&:= 3 + ((3+3) \times 333 + ((33/3+3)^3)) \\
&:= 44 + ((4444+4^4) + 4/4) \\
&:= 5 \times ((5-5/5)^5 - (5 \times (5+5+5))) \\
&:= (6 \times 66 \times (6+6)) - 6/6-6 \\
&:= (7 \times ((7 \times 7 \times (7+7)) - 7)) - (7/7+7) \\
&:= 8/8 + (8 \times 8 \times 88 - 888) \\
&:= 9/9 + ((9-9/9) \times (((9+9)/9)^9 + 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4746 &:= 1 + (((1+1+1)^{1+11}) - 1)/(1+111) \\
&:= ((2 \times 22) - 2) \times (222/2+2) \\
&:= 3 + ((3 \times (3+3))^3 - 33 \times 33) \\
&:= 4 \times 4 + ((44-4/4) \times (444-4)/4) \\
&:= (5/5+5)^5 - (55 \times 55+5) \\
&:= (6 \times 66 \times (6+6)) - 6 \\
&:= (7 \times ((7 \times 7 \times (7+7)) - 7)) - 7 \\
&:= (8+8)/8 + (8 \times 8 \times 88 - 888) \\
&:= 9 + (((9 \times (9+9)/9)^9 + 999/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4747 &:= 1 + (1 + (((1+1+1)^{1+11}) - 1)/(1+111))) \\
&:= 2/2 + (((2 \times 22) - 2) \times (222/2+2)) \\
&:= 3 + ((3/3+3)^{3+3} + 3 \times (3+3)^3) \\
&:= 44/4 + (4 \times (4 \times ((4^4-4) + 44))) \\
&:= 5/5 + (((5/5+5)^5 - (55 \times 55+5)) \\
&:= 6/6 + ((6 \times 66 \times (6+6)) - 6) \\
&:= 7/7 + ((7 \times ((7 \times 7 \times (7+7)) - 7)) - 7) \\
&:= 88/8 + (8 \times ((8 \times (8 \times 8+8) + 8) + 8)) \\
&:= 9 + (((9 \times (9 \times (99+9+9))) - 9/9)/(9+9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4748 &:= ((1+1+1) \times ((11 \times (1+11)^{1+1}) - 1)) - 1 \\
&:= 2 + (((2 \times 22) - 2) \times (222/2+2)) \\
&:= (3/3+3) \times ((33 \times (33+3)) - 3/3) \\
&:= (44 \times (4 \times 4 \times 4 + 44)) - 4 \\
&:= 5^5 + ((5 \times (5 \times (55+5+5))) - ((5+5)/5)) \\
&:= (6+6)/6 + ((6 \times 66 \times (6+6)) - 6) \\
&:= (7+7)/7 + ((7 \times ((7 \times 7 \times (7+7)) - 7)) - 7) \\
&:= ((88+8)/8) + (8 \times ((8 \times (8 \times 8+8) + 8) + 8)) \\
&:= 9 + (((9 \times (9 \times (99+9+9))) + 9/9)/(9+9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4749 &:= (1+1+1) \times ((11 \times (1+11)^{1+1}) - 1) \\
&:= (((22^{2/2+2}) + 2)/2) - ((22+2)^2) \\
&:= 33 \times (3+3) \times (3^3-3) - 3 \\
&:= 4/4 + ((44 \times (4 \times 4 \times 4 + 44)) - 4) \\
&:= 5^5 + ((5 \times (5 \times (55+5+5))) - 5/5) \\
&:= (6 \times 66 \times (6+6)) - 6 \times 6/(6+6) \\
&:= 7 + ((7 \times ((7 \times 7 \times (7+7)) - 7)) - (77/7)) \\
&:= 88 + ((8 \times (8 \times (8 \times 8+8) + 8)) - (88/8)) \\
&:= (9+9+9) \times (99+9 \times 9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4750 &:= 1 + ((1+1+1) \times ((11 \times (1+11)^{1+1}) - 1)) \\
&:= (22 \times ((2+2+2)^{2/2+2})) - 2 \\
&:= 3/3 + (33 \times (3+3) \times (3^3-3) - 3) \\
&:= (44 \times (4 \times 4 \times 4 + 44)) - (4+4)/4 \\
&:= 5 \times ((5+5) \times (5 \times (5 \times 5 - 5) - 5)) \\
&:= (6 \times 66 \times (6+6)) - (6+6)/6 \\
&:= (7/7+7 \times 7) \times ((77/7+77) + 7) \\
&:= 8 + (8 \times 8 \times 88 - (888 + ((8+8)/8))) \\
&:= 9 + ((99/9) \times (((9+9)/9)^9 - 9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4751 &:= (11 \times ((1+1+1) \times (1+11)^{1+1})) - 1 \\
&:= (22 \times ((2+2+2)^{2/2+2})) - 2/2 \\
&:= 33 \times (3+3) \times (3^3-3) - 3/3 \\
&:= (44 \times (4 \times 4 \times 4 + 44)) - 4/4 \\
&:= (5/5+5)^5 - 55 \times 55 \\
&:= (6 \times 66 \times (6+6)) - 6/6 \\
&:= (7 \times ((7 \times 7 \times (7+7)) - 7)) - (7+7)/7 \\
&:= 8 + (8 \times 8 \times 88 - (888 + 8/8)) \\
&:= 9 \times (9 \times (9 \times 9 - 9) - 9) - (999+9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4752 &:= 11 \times ((1+1+1) \times (1+11)^{1+1}) \\
&:= 22 \times ((2+2+2)^{2/2+2}) \\
&:= 33 \times (3+3) \times (3^3-3) \\
&:= 44 \times (4 \times 4 \times 4 + 44) \\
&:= 5/5 + ((5/5+5)^5 - 55 \times 55) \\
&:= 6 \times 66 \times (6+6) \\
&:= (7 \times ((7 \times 7 \times (7+7)) - 7)) - 7/7 \\
&:= 8 + (8 \times 8 \times 88 - 888) \\
&:= 9 \times (9 \times (9 \times 9 - 9) - 9) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4753 &:= 1 + (11 \times ((1+1+1) \times (1+11)^{1+1})) \\
&:= 2/2 + (22 \times ((2+2+2)^{2/2+2})) \\
&:= 3/3 + 33 \times (3+3) \times (3^3 - 3) \\
&:= 4/4 + (44 \times (4 \times 4 \times 4 + 44)) \\
&:= ((5+5)/5+5) \times ((5^5 - 5)/5+55) \\
&:= 6/6 + (6 \times 66 \times (6+6)) \\
&:= 7 \times ((7 \times 7 \times (7+7)) - 7) \\
&:= 8 + ((8 \times 8 \times 88 - 888) + 8/8) \\
&:= 9 + ((9-9/9) \times (((9+9)/9)^9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4754 &:= 1 + (1 + (11 \times ((1+1+1) \times (1+11)^{1+1}))) \\
&:= 2 + (22 \times ((2+2+2)^{2/2+2})) \\
&:= 3 + (33 \times (3+3) \times (3^3 - 3) - 3/3) \\
&:= (4+4)/4 + (44 \times (4 \times 4 \times 4 + 44)) \\
&:= 5 + (((5 \times (5 \times (55+5+5))) - 5/5) + 5^5) \\
&:= (6+6)/6 + (6 \times 66 \times (6+6)) \\
&:= 7/7 + (7 \times ((7 \times 7 \times (7+7)) - 7)) \\
&:= 8 + ((8 \times 8 \times 88 - 888) + ((8+8)/8)) \\
&:= 9 + (((9-9/9) \times (((9+9)/9)^9) + 9 \times 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4755 &:= (1+1+1) \times (1 + (11 \times (1+11)^{1+1})) \\
&:= 2 + ((22 \times ((2+2+2)^{2/2+2})) + 2/2) \\
&:= 3 + 33 \times (3+3) \times (3^3 - 3) \\
&:= 4 + ((44 \times (4 \times 4 \times 4 + 44)) - 4/4) \\
&:= 5 + ((5 \times (5 \times (55+5+5))) + 5^5) \\
&:= (6 \times 6/(6+6)) + (6 \times 66 \times (6+6)) \\
&:= (7+7)/7 + (7 \times ((7 \times 7 \times (7+7)) - 7)) \\
&:= 88/8 + (8 \times 8 \times 88 - 888) \\
&:= 99/9 + ((9-9/9) \times (((9+9)/9)^9) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4756 &:= 1 + ((1+1+1) \times (1 + (11 \times (1+11)^{1+1}))) \\
&:= 2 + ((22 \times ((2+2+2)^{2/2+2})) + 2) \\
&:= 3 + (33 \times (3+3) \times (3^3 - 3) + 3/3) \\
&:= 4 + (44 \times (4 \times 4 \times 4 + 44)) \\
&:= 5 + ((5/5+5)^5 - 55 \times 55) \\
&:= 6 + ((6 \times 66 \times (6+6)) - ((6+6)/6)) \\
&:= (7+7+7)/7 + (7 \times ((7 \times 7 \times (7+7)) - 7)) \\
&:= 888 + ((88 \times 88 - 8)/(8+8)/8) \\
&:= (9/9+9 \times 9) \times (((9 \times 99 - 9)/(9+9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4757 &:= 1 + (1 + ((1+1+1) \times (1 + (11 \times (1+11)^{1+1})))) \\
&:= (((2/2+2) \times (22+2/2))^2) - 2 - 2 \\
&:= (((3/3+3)^3) + 3) \times (((3+3)^3 - 3)/3) \\
&:= (((4^4+4)/4+4)^{(4+4)/4}) - 4 \\
&:= 5 + (((5/5+5)^5 - 55 \times 55) + 5/5) \\
&:= 6 + ((6 \times 66 \times (6+6)) - 6/6) \\
&:= 77/7 + ((7 \times ((7 \times 7 \times (7+7)) - 7)) - 7) \\
&:= ((8 \times 8 - 8/8) + 8) \times ((88/8 - 8) + 8 \times 8) \\
&:= 9 \times (((9+9)/9)^9 + 9+9) - (99+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4758 &:= (1+1+1) \times (1 + (1 + (11 \times (1+11)^{1+1}))) \\
&:= 2 \times (((2/2+2+2) + 2)^{2+2}) - 22 \\
&:= 3 + (33 \times (3+3) \times (3^3 - 3) + 3) \\
&:= ((4+4)/4 \times (((4-4/4) + 4)^4)) - 44 \\
&:= 5 + (((5+5)/5+5) \times ((5^5 - 5)/5+55)) \\
&:= 6 + (6 \times 66 \times (6+6)) \\
&:= 7 + ((7 \times ((7 \times 7 \times (7+7)) - 7)) - ((7+7)/7)) \\
&:= 88 + ((8 \times (8 \times (8 \times 8 + 8) + 8)) - ((8+8)/8)) \\
&:= 9 \times (((9+9)/9)^9 + 9+9) - (99+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4759 &:= (((1+1+1) \times (1 + (11+11)))^{1+1}) - 1 - 1 \\
&:= (((2/2+2) \times (22+2/2))^2) - 2 \\
&:= 3 + ((33 \times (3+3) \times (3^3 - 3) + 3/3) + 3) \\
&:= (44/4 \times (444 - 44/4)) - 4 \\
&:= 55 + (((5-5/5)^5 + 555) + 5^5) \\
&:= 6 + ((6 \times 66 \times (6+6)) + 6/6) \\
&:= 7 + ((7 \times ((7 \times 7 \times (7+7)) - 7)) - 7/7) \\
&:= 88 + ((8 \times (8 \times (8 \times 8 + 8) + 8)) - 8/8) \\
&:= 9 \times (((9+9)/9)^9 + 9+9) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4760 &:= (((1+1+1) \times (1 + (11+11)))^{1+1}) - 1 \\
&:= 2 \times ((2 \times 22)^2 + 2 \times 222) \\
&:= (33/3+3) \times (((3/3+3+3)^3) - 3) \\
&:= 4 + ((44 \times (4 \times 4 \times 4 + 44)) + 4) \\
&:= (5 \times 5 - 5) \times (((5 - (5+5)/5)^5) - 5) \\
&:= 6 + ((6 \times 66 \times (6+6)) + ((6+6)/6)) \\
&:= 7 + (7 \times ((7 \times 7 \times (7+7)) - 7)) \\
&:= 88 + (8 \times (8 \times (8 \times 8 + 8) + 8)) \\
&:= 9 \times (((9+9)/9)^9 + 9+9) - 9/9 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4761 &:= ((1+1+1) \times (1 + (11+11)))^{1+1} \\
&:= ((2/2+2) \times (22+2/2))^2 \\
&:= ((33+33) + 3)^{3-3/3} \\
&:= ((4^4+4)/4+4)^{(4+4)/4} \\
&:= 5 + (((5/5+5)^5 - 55 \times 55) + 5) \\
&:= (6 \times 6/(6+6) + 66)^{(6+6)/6} \\
&:= (77 - (7/7+7))^{(7+7)/7} \\
&:= (88 - (88/8+8))^{(8+8)/8} \\
&:= 9 \times (((9+9)/9)^9 + 9+9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4762 &:= 1 + (((1+1+1) \times (1 + (11+11)))^{1+1}) \\
&:= 2 + (2 \times ((2 \times 22)^2 + 2 \times 222)) \\
&:= 3/3 + (((33+33) + 3)^{3-3/3}) \\
&:= 4/4 + (((4^4+4)/4+4)^{(4+4)/4}) \\
&:= 555/5 + ((5/5+5)^5 - 5^5) \\
&:= 666 + (((6+6)/6)^{6+6}) \\
&:= 7 + ((7 \times ((7 \times 7 \times (7+7)) - 7)) + ((7+7)/7)) \\
&:= 8/8 + ((88 - (88/8+8))^{(8+8)/8}) \\
&:= 9/9 + (9 \times (((9+9)/9)^9 + 9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4763 &:= 11 \times (1 + ((1+1+1) \times (1+11)^{1+1})) \\
&:= 2 + (((2/2+2) \times (22+2/2))^2) \\
&:= 33/3 + 33 \times (3+3) \times (3^3 - 3) \\
&:= 44/4 \times (444 - 44/4) \\
&:= 5^5 + (((5^5 - 55)/5) + (5 - 5/5)^5) \\
&:= 66/6 + (6 \times 66 \times (6+6)) \\
&:= ((77 - 7)/7) + (7 \times ((7 \times 7 \times (7+7)) - 7)) \\
&:= 8 + ((8 \times 8 \times 88 - 888) + (88/8)) \\
&:= (9+9)/9 + (9 \times (((9+9)/9)^9 + 9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4764 &:= 1 + (11 \times (1 + ((1+1+1) \times (1+11)^{1+1}))) \\
&:= 2 \times (((2 \times 22)^2 + 2 \times 222) + 2) \\
&:= 3 + (((33+33) + 3)^{3-3/3}) \\
&:= 4^4 + (4444 + 4 \times 4 \times 4) \\
&:= 5^5 + ((55 \times (5 \times 5 + 5)) - (55/5)) \\
&:= 6 + ((6 \times 66 \times (6+6)) + 6) \\
&:= 77/7 + (7 \times ((7 \times 7 \times (7+7)) - 7)) \\
&:= 888 + ((88 \times 88 + 8)/(8+8)/8) \\
&:= ((9+9+9)/9) + (9 \times (((9+9)/9)^9 + 9+9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4765 &:= 1 + (1 + (11 \times (1 + ((1+1+1) \times (1+11)^{1+1})))) \\
&:= 2 + (((2/2+2) \times (22+2/2))^2) + 2 \\
&:= 3 + (((33+33) + 3)^{3-3/3}) + 3/3 \\
&:= 4 + (((4^4+4)/4+4)^{(4+4)/4}) \\
&:= 5^5 + ((55 \times (5 \times 5 + 5)) - (5+5)) \\
&:= 6 + (((6 \times 66 \times (6+6)) + 6/6) + 6) \\
&:= (77+7)/7 + (7 \times ((7 \times 7 \times (7+7)) - 7)) \\
&:= 8 + (((8 \times 8 - 8/8) + 8) \times ((88/8 - 8) + 8 \times 8)) \\
&:= 9 + ((9/9+9 \times 9) \times (((9 \times 99 - 9)/(9+9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4766 &:= 11 + ((1+1+1) \times (1 + (11 \times (1+11)^{1+1}))) \\
&:= 2 + (2 \times ((2 \times 22)^2 + 2 \times 222) + 2) \\
&:= 3 + (33 \times (3+3) \times (3^3 - 3) + 33/3) \\
&:= 4 + (((4^4+4)/4+4)^{(4+4)/4}) + 4/4 \\
&:= 5 + (((5/5+5)^5 - 55 \times 55) + 5) + 5 \\
&:= 6 + (((6 \times 66 \times (6+6)) + ((6+6)/6)) + 6) \\
&:= 7 + (((7 \times ((7 \times 7 \times (7+7)) - 7)) - 7/7) + 7) \\
&:= ((88/8 - 88) \times (((8+8)/8) - 8 \times 8)) - 8 \\
&:= ((9-9 \times 9)/(9+9)) + 9 \times (((9+9)/9)^9 + 9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4767 &:= (11 + (11 - 1)) \times (1 + ((1+1) \times (1+1+11))) \\
&:= 2 + (((2/2+2) \times (22+2/2))^2) + 2 + 2 \\
&:= ((3+3) \times ((33 \times (3^3 - 3)) + 3)) - 3 \\
&:= 4 + (44/4 \times (444 - 44/4)) \\
&:= ((5+5)/5+5) \times ((5^5+5)/5+55) \\
&:= 6 + ((6 \times 6/(6+6) + 66)^{(6+6)/6}) \\
&:= 7 + ((7 \times ((7 \times 7 \times (7+7)) - 7)) + 7) \\
&:= 8 + (((8 \times (8 \times (8 \times 8 + 8) + 8)) - 8/8) + 88) \\
&:= 9 \times (((9+9)/9)^9 + 9+9) - (9+9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4768 &:= (1+1) \times ((1+1)^{11} + ((1+1+1) \times (1+111))) \\
&:= 2 \times ((2 \times (222+2)) + (2 \times 22)^2) \\
&:= 3/3 + (((3+3) \times ((33 \times (3^3-3)) + 3)) - 3) \\
&:= 4 \times (4 \times (44+4^4) - (4+4)) \\
&:= ((5+5)/5)^5 \times (5 \times (5 \times 5+5) - 5/5) \\
&:= 6 + (((6+6)/6)^{6+6}) + 666 \\
&:= 7 + ((77 - (7/7+7))^{(7+7)/7}) \\
&:= 8 + ((8 \times (8 \times (8 \times 8+8) + 8)) + 88) \\
&:= 9 \times (((9+9)/9)^9 + 9+9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4769 &:= ((1+1) \times ((1+1) \times (11 \times 111 - 1))) - 111 \\
&:= 2 \times (2+2) + (((2/2+2) \times (22+2/2))^2) \\
&:= ((3+3) \times ((33 \times (3^3-3)) + 3)) - 3/3 \\
&:= (444/4 \times (44-4/4)) - 4 \\
&:= 5^5 + (((5-5/5)^5 - 5) + 5^5/5) \\
&:= 6 + (((6 \times 66 \times (6+6)) + (66/6)) \\
&:= 7 + (((7 \times (7 \times 7 \times (7+7)) - 7)) + ((7+7)/7)) + 7) \\
&:= 8 + ((88 - (88/8+8))^{(8+8)/8}) \\
&:= 9 \times (((9+9)/9)^9 + 9+9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4770 &:= (11-1-1) \times (1 + (1+11+11)^{1+1}) \\
&:= (2/2+2)^2 \times ((22 \times (22+2)) + 2) \\
&:= (3+3) \times ((33 \times (3^3-3)) + 3) \\
&:= (4+4)/4 \times (((4-4/4) + 4^4) - 4 \times 4) \\
&:= 5^5 + ((55 \times (5 \times 5+5)) - 5) \\
&:= 6 + (((6 \times 66 \times (6+6)) + 6) + 6) \\
&:= (7-7/7) \times ((77/7+777) + 7) \\
&:= (8 \times 8 - 88/8) \times ((8+8)/8 + 88) \\
&:= 9 \times (((9+9)/9)^9 + 9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4771 &:= (111 \times (((1+1) \times (11+11)) - 1)) - 1 - 1 \\
&:= (22 \times 222) - (222/2+2) \\
&:= 3/3 + ((3+3) \times ((33 \times (3^3-3)) + 3)) \\
&:= 4 + ((44/4 \times (444-44/4)) + 4) \\
&:= 5^5 + (((55 \times (5 \times 5+5)) - 5) + 5/5) \\
&:= 6 + (((6 \times 66 \times (6+6)) + 6/6) + 6) + 6) \\
&:= 7 + ((7 \times ((7 \times 7 \times (7+7)) - 7)) + (77/7)) \\
&:= 8 \times 8 + ((8/8+8) \times (8 \times 8 \times 8 + 88/8)) \\
&:= 9/9 + 9 \times (((9+9)/9)^9 + 9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4772 &:= (111 \times (((1+1) \times (11+11)) - 1)) - 1 \\
&:= 2 \times (((2+2+2) \times ((22-2)^2 - 2)) - 2) \\
&:= 3 + (((3+3) \times ((33 \times (3^3-3)) + 3)) - 3/3) \\
&:= 4 + (4 \times (4 \times (44+4^4) - (4+4))) \\
&:= 5 + (((5+5)/5+5) \times ((5^5+5)/5+55)) \\
&:= 6 + (((6 \times 66 \times (6+6)) + ((6+6)/6) + 6) + 6) \\
&:= (7 \times (777-77)) - ((7+7)/7)^7 \\
&:= 8 + (((88 \times 88+8)/(8+8)/8) + 888) \\
&:= (9+9)/9 + 9 \times (((9+9)/9)^9 + 9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4773 &:= 111 \times (((1+1) \times (11+11)) - 1) \\
&:= 222/2 \times ((2 \times 22) - 2/2) \\
&:= 3 + ((3+3) \times ((33 \times (3^3-3)) + 3)) \\
&:= 444/4 \times (44-4/4) \\
&:= 5^5 + ((5-5/5)^5 + (5^5-5)/5) \\
&:= 666/6 \times ((6 \times 6+6/6) + 6) \\
&:= 777/7 \times ((7/7-7) + 7 \times 7) \\
&:= 888/8 \times (((88/8+8+8) + 8) + 8) \\
&:= ((9+9+9)/9) + 9 \times (((9+9)/9)^9 + 9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4774 &:= 1 + (111 \times (((1+1) \times (11+11)) - 1)) \\
&:= 22 \times (222 - (2/2+2+2)) \\
&:= (33 - 33/3) \times ((3+3)^3 + 3/3) \\
&:= 4/4 + (444/4 \times (44-4/4)) \\
&:= 5^5 + ((5-5/5)^5 + 5^5/5) \\
&:= 6 + (((6+6)/6)^{6+6}) + 666 + 6) \\
&:= 77 \times (((7 \times 7 - 7/7) + 7) + 7) \\
&:= (88/8 - 88) \times (((8+8)/8) - 8 \times 8) \\
&:= 99/9 \times (((9+9) \times (9+9) + (99/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4775 &:= 1 + (1 + (111 \times (((1+1) \times (11+11)) - 1))) \\
&:= 2 + (222/2 \times ((2 \times 22) - 2/2)) \\
&:= (3^3 \times (3 \times (3^3+33) - 3)) - (3/3+3) \\
&:= ((4-4/4)^4 \times (((4^4-4)/4) - 4)) - 4 \\
&:= 5^5 + (55 \times (5 \times 5+5)) \\
&:= 6 + (((6 \times 66 \times (6+6)) + (66/6)) + 6) \\
&:= 7 + (((77 - (7/7+7))^{(7+7)/7}) + 7) \\
&:= 888/8 + (88 \times (8 \times 8 - 88/8)) \\
&:= ((9 \times 9+9)/(9+9)) + 9 \times (((9+9)/9)^9 + 9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4776 &:= (1+11) \times (((1+1) \times (11-1))^{1+1} - (1+1)) \\
&:= 2 \times ((2+2+2) \times ((22-2)^2 - 2)) \\
&:= (3^3-3) \times (33 \times (3+3) + 3/3) \\
&:= (4 \times (4 \times (44+4^4) - 4)) - 4 - 4 \\
&:= 5^5 + ((55 \times (5 \times 5+5)) + 5/5) \\
&:= (6+6) \times (((6+6)/6) + 6 \times 66) \\
&:= (7+7)/7 + (77 \times (((7 \times 7 - 7/7) + 7) + 7)) \\
&:= (8+8+8) \times (888/8+88) \\
&:= 9 + (9 \times (((9+9)/9)^9 + 9+9) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4777 &:= 1 + ((1+11) \times (((1+1) \times (11-1))^{1+1} - (1+1))) \\
&:= (((22+2) \times ((22-2)^2 - 2)) + 2)/2 \\
&:= 3 + ((33-33/3) \times ((3+3)^3 + 3/3)) \\
&:= 4 + (444/4 \times (44-4/4)) \\
&:= 5^5 + ((55 \times (5 \times 5+5)) + ((5+5)/5)) \\
&:= (6 \times (66 \times (6+6) + 6)) - 66/6 \\
&:= 7 \times 7 \times 7 \times (7+7) - (77/7+7+7) \\
&:= ((8/8-88) \times ((8/8-8 \times 8) + 8)) - 8 \\
&:= 9 + (9 \times (((9+9)/9)^9 + 9+9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4778 &:= 1 + (1 + ((1+11) \times (((1+1) \times (11-1))^{1+1} - (1+1)))) \\
&:= 2 + (2 \times ((2+2+2) \times ((22-2)^2 - 2))) \\
&:= (3^3 \times (3 \times (3^3+33) - 3)) - 3/3 \\
&:= 4 + ((444/4 \times (44-4/4)) + 4/4) \\
&:= 5 + (((5-5/5)^5 + (5^5-5)/5) + 5^5) \\
&:= (6-66)/6 + (6 \times (66 \times (6+6) + 6)) \\
&:= 7 + (((7 \times ((7 \times 7 \times (7+7)) - 7)) + (77/7)) + 7) \\
&:= 8 + ((8 \times 8 - 88/8) \times ((8+8)/8 + 88)) \\
&:= 9 + (9 \times (((9+9)/9)^9 + 9+9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4779 &:= (1+1+1) \times ((11 \times (1 + (1+11)^{1+1})) - (1+1)) \\
&:= (2/2+2)^2 \times (((22+2/2)^2) + 2) \\
&:= 3^3 \times (3 \times (3^3+33) - 3) \\
&:= (4-4/4)^4 \times (((4^4-4)/4) - 4) \\
&:= 5 + (((5-5/5)^5 + 5^5/5) + 5^5) \\
&:= 6 + (666/6 \times ((6 \times 6+6/6) + 6)) \\
&:= ((7+7)/7+7) \times (7 \times 77 - (7/7+7)) \\
&:= (8/8+8) \times ((8 \times 8 \times 8 + 88/8) + 8) \\
&:= 9 + 9 \times (((9+9)/9)^9 + 9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4780 &:= (1+1) \times ((11-1) \times (((1+1) \times (11^{1+1} - 1)) - 1)) \\
&:= (2-22) \times (((2-22^2)/2) + 2) \\
&:= 3/3 + (3^3 \times (3 \times (3^3+33) - 3)) \\
&:= (4 \times (4 \times (44+4^4) - 4)) - 4 \\
&:= 5 + ((55 \times (5 \times 5+5)) + 5^5) \\
&:= ((6+6)/6)^6 + (6 \times (66 \times (6+6) - 6)) \\
&:= 7 + (777/7 \times ((7/7-7) + 7 \times 7)) \\
&:= 8 \times (8 \times 8 \times 8 + 88) - ((88+8)/8+8) \\
&:= 9 + (9 \times (((9+9)/9)^9 + 9+9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4781 &:= ((1+1+1) \times ((11 \times (1 + (1+11)^{1+1})) - 1)) - 1 \\
&:= 2 + ((2/2+2)^2 \times (((22+2/2)^2) + 2)) \\
&:= 3 + ((3^3 \times (3 \times (3^3+33) - 3)) - 3/3) \\
&:= 4 + ((444/4 \times (44-4/4)) + 4) \\
&:= 5 + (((55 \times (5 \times 5+5)) + 5^5) + 5/5) \\
&:= (6 \times (66 \times (6+6) + 6)) - 6/6 - 6 \\
&:= 77 + ((7+7) \times (7 \times 7 \times 7 - 7)) \\
&:= 8 \times (8 \times 8 \times 8 + 88) - (88/8+8) \\
&:= 99/9 + 9 \times (((9+9)/9)^9 + 9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4782 &:= (1+1+1) \times ((11 \times (1 + (1+11)^{1+1})) - 1) \\
&:= 2 + ((2-22) \times (((2-22^2)/2) + 2)) \\
&:= 3 + (3^3 \times (3 \times (3^3+33) - 3)) \\
&:= (4 \times (4 \times (44+4^4) - 4)) - (4+4)/4 \\
&:= 5 + (((55 \times (5 \times 5+5)) + ((5+5)/5)) + 5^5) \\
&:= (6 \times (66 \times (6+6) + 6)) - 6 \\
&:= 7/7 + (((7+7) \times (7 \times 7 \times 7 - 7)) + 77) \\
&:= 8 + ((88/8-88) \times (((8+8)/8) - 8 \times 8)) \\
&:= (99+9)/9 + 9 \times (((9+9)/9)^9 + 9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4783 &:= 1 + ((1 + 1 + 1) \times ((11 \times (1 + (1 + 11)^{1+1})) - 1)) \\
&:= 22 + (((2/2 + 2) \times (22 + 2/2)^2) \\
&:= 3 + ((3^3 \times (3 \times (3^3 + 33) - 3)) + 3/3) \\
&:= (4 \times (4 \times (44 + 4^4) - 4)) - 4/4 \\
&:= ((5 - 5^5)/(5 + 5)) + (5 \times ((5 - 5/5)^5 - 5)) \\
&:= 6/6 + ((6 \times (66 \times (6 + 6) + 6)) - 6) \\
&:= 7 \times 7 \times 7 \times (7 + 7) - ((77 + 7)/7 + 7) \\
&:= 888/8 + (8 \times (8 \times (8 \times 8 + 8) + 8)) \\
&:= ((99 + 9 + 9)/9) + 9 \times (((9 + 9)/9)^9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4788 &:= (1 + 11) \times (((1 + 1) \times (11 - 1))^{1+1} - 1) \\
&:= (2 + 2 + 2) \times (2 \times (22 - 2)^2 - 2) \\
&:= (3 + 3) \times (((33 \times (3^3 - 3)) + 3) + 3) \\
&:= 4 + (4 \times (4 \times (44 + 4^4) - 4)) \\
&:= 5^5 + (((5 + 5 + 5) \times 555) - (5 + 5))/5) \\
&:= 6 \times (66 \times (6 + 6) + 6) \\
&:= (7 + 7) \times (7 \times 7 \times 7 - 7/7) \\
&:= (8/8 - 8 \times 8) \times ((88 + 8)/8 - 88) \\
&:= 99 + 9 \times (((9 + 9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4793 &:= 1 + ((1 + 1) \times ((1 + 1) \times ((11 \times (111 - 1 - 1)) - 1))) \\
&:= (22 \times (222 - (2 + 2))) - 2/2 - 2 \\
&:= ((33/3 + 3) \times ((3/3 + 3 + 3)^3)) - 3 \times 3 \\
&:= 4 + ((4 \times 4 \times (44 + 4^4)) - 44/4) \\
&:= 5^5 + ((5 - (5 + 5)/5) \times (555 + 5/5)) \\
&:= 6 + ((6 \times (66 \times (6 + 6) + 6)) - 6/6) \\
&:= 7 \times 7 \times 7 \times (7 + 7) - ((7 + 7)/7 + 7) \\
&:= 8/8 + (8 \times (8 \times 8 \times 8 + 88) - 8) \\
&:= ((99 - 9/9) \times ((9 \times 99 - 9)/(9 + 9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4784 &:= 11 + (111 \times (((1 + 1) \times (11 + 11)) - 1)) \\
&:= 2 \times (2 \times (2 \times ((22 + 2)^2) + 22)) \\
&:= 33 + 33 \times (3 + 3) \times (3^3 - 3) - 3/3 \\
&:= 4 \times (4 \times (44 + 4^4) - 4) \\
&:= (55/5 + 5) \times (5 \times (55 + 5) - 5/5) \\
&:= (6 + 6)/6 + ((6 \times (66 \times (6 + 6) + 6)) - 6) \\
&:= 7 \times 7 \times 7 \times (7 + 7) - (77/7 + 7) \\
&:= 8 \times (8 \times 8 \times 8 + 88) - 8 - 8 \\
&:= (9 - 9/9) \times (((9 \times 999 - 9)/(9 + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4789 &:= 1 + ((1 + 11) \times (((1 + 1) \times (11 - 1))^{1+1} - 1)) \\
&:= ((22 + 2) \times (22 - 2)^2 - 22)/2 \\
&:= 3/3 + ((3 + 3) \times (((33 \times (3^3 - 3)) + 3) + 3)) \\
&:= (4 \times 4 \times (44 + 4^4)) - 44/4 \\
&:= 5^5 + (((5 + 5 + 5) \times 555) - 5)/5) \\
&:= 6/6 + (6 \times (66 \times (6 + 6) + 6)) \\
&:= 7/7 + ((7 + 7) \times (7 \times 7 \times 7 - 7/7)) \\
&:= 8 \times (8 \times 8 \times 8 + 88) - 88/8 \\
&:= 9/9 + (9 \times (((9 + 9)/9)^9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4794 &:= (1 + 1) \times (((1 + 1) \times (11 \times (111 - 1 - 1))) - 1) \\
&:= (22 \times (222 - (2 + 2))) - 2 \\
&:= 33 + (((33 + 33) + 3)^{3-3/3}) \\
&:= (4 + 4)/4 \times (((4 - 4/4) + 4)^4) - 4) \\
&:= (55 + 5) \times (5 \times 5 + 55) - (5/5 + 5) \\
&:= 6 + (6 \times (66 \times (6 + 6) + 6)) \\
&:= 7 \times 7 \times 7 \times (7 + 7) - (7/7 + 7) \\
&:= (8 + 8)/8 + (8 \times (8 \times 8 \times 8 + 88) - 8) \\
&:= 9 + ((99/9) \times ((9 + 9) \times (9 + 9) + 999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4785 &:= 11 \times ((1 + 1 + 1) \times (1 + (1 + 11)^{1+1})) \\
&:= (22 \times (222 - (2 + 2))) - 22/2 \\
&:= 33 + 33 \times (3 + 3) \times (3^3 - 3) \\
&:= 4/4 + (4 \times (4 \times (44 + 4^4) - 4)) \\
&:= 55 \times (((5 + 5)/5)^5 + 55) \\
&:= (6 \times 66 \times (6 + 6)) + (66 \times 6/(6 + 6)) \\
&:= ((7 - 77)/7) + (7 \times 7 \times 7 \times (7 + 7) - 7) \\
&:= (8/8 - 88) \times ((8/8 - 8 \times 8) + 8) \\
&:= 99/9 \times ((9 + 9) \times (9 + 9) + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4790 &:= 1 + (1 + ((1 + 11) \times (((1 + 1) \times (11 - 1))^{1+1} - 1))) \\
&:= 2 + (2 + 2 + 2) \times (2 \times (22 - 2)^2 - 2) \\
&:= 33/3 + (3^3 \times (3 \times (3^3 + 33) - 3)) \\
&:= (4 - 44)/4 + (4 \times 4 \times (44 + 4^4)) \\
&:= 5 + (55 \times (((5 + 5)/5)^5 + 55)) \\
&:= (6 + 6)/6 + (6 \times (66 \times (6 + 6) + 6)) \\
&:= 7 \times 7 \times 7 \times (7 + 7) - (77 + 7)/7 \\
&:= (8 - 88)/8 + 8 \times (8 \times 8 \times 8 + 88) \\
&:= 9 + (9 \times (((9 + 9)/9)^9 + 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4795 &:= ((1 + 1) \times ((1 + 1) \times (11 \times (111 - 1 - 1)))) - 1 \\
&:= (22 \times (222 - (2 + 2))) - 2/2 \\
&:= 3 + (((3/3 + 3)^{3+3} - 33) + 3^{3+3}) \\
&:= (4 \times 4 \times (44 + 4^4)) - 4/4 - 4 \\
&:= (55 + 5) \times (5 \times 5 + 55) - 5 \\
&:= 6 + ((6 \times (66 \times (6 + 6) + 6)) + 6/6) \\
&:= 7 \times 7 \times 7 \times (7 + 7) - 7 \\
&:= (8 - 8/8) \times (8 \times 88 - (88/8 + 8)) \\
&:= 9 + ((9 \times (((9 + 9)/9)^9 + 9) - ((9 + 9)/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4786 &:= 1 + (11 \times ((1 + 1 + 1) \times (1 + (1 + 11)^{1+1}))) \\
&:= 2 + (2 \times (2 \times (2 \times ((22 + 2)^2) + 22))) \\
&:= 3/3 + (33 \times (3 + 3) \times (3^3 - 3) + 33) \\
&:= (4 + 4)/4 + (4 \times (4 \times (44 + 4^4) - 4)) \\
&:= 5^5 + ((55 \times (5 \times 5 + 5)) + (55/5)) \\
&:= (6 \times (66 \times (6 + 6) + 6)) - (6 + 6)/6 \\
&:= ((7 + 7)/7) \times (7 \times 7 \times 7 \times 7 - (7/7 + 7)) \\
&:= 8/8 + ((8/8 - 88) \times ((8/8 - 8 \times 8) + 8)) \\
&:= 99 + (9 \times (((9 + 9)/9)^9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4791 &:= (1 + 1 + 1) \times (1 + (1 + (11 \times (1 + (1 + 11)^{1+1})))) \\
&:= (((2 \times 2 \times (22 + 2) + 2)^2) - 22)/2 \\
&:= 3 + ((3 + 3) \times (((33 \times (3^3 - 3)) + 3) + 3)) \\
&:= (4 \times 4 \times (44 + 4^4)) - (4/4 + 4 + 4) \\
&:= 5^5 + (5555/5 + 555) \\
&:= 666/6 + ((6 + 6) \times (6 \times 66 - 6)) \\
&:= 7 \times 7 \times 7 \times (7 + 7) - 77/7 \\
&:= 8 \times (8 \times 8 \times 8 + 88) - (8/8 + 8) \\
&:= 999/9 + (9 \times (((9 + 9)/9)^9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4796 &:= (1 + 1) \times ((1 + 1) \times (11 \times (111 - 1 - 1))) \\
&:= 22 \times (222 - (2 + 2)) \\
&:= (3 - 3/3) \times (((3/3 + 3 + 3)^{3/3+3}) - 3) \\
&:= (4 \times 4 \times (44 + 4^4)) - 4 \\
&:= 5/5 + ((55 + 5) \times (5 \times 5 + 55) - 5) \\
&:= 6 + ((6 \times (66 \times (6 + 6) + 6)) + ((6 + 6)/6)) \\
&:= 7/7 + (7 \times 7 \times 7 \times (7 + 7) - 7) \\
&:= 88/8 \times (888/((8 + 8)/8) - 8) \\
&:= 9 + ((9 \times (((9 + 9)/9)^9 + 9) - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4787 &:= ((1 + 11) \times (((1 + 1) \times (11 - 1))^{1+1} - 1)) - 1 \\
&:= 2 + ((22 \times (222 - (2 + 2))) - 22/2) \\
&:= (33/3)^3 + ((3 + 3) \times ((3 \times 3 + 3)^3/3)) \\
&:= 4 + ((4 \times (4 \times (44 + 4^4) - 4)) - 4/4) \\
&:= 5^5 + ((55 \times (5 \times 5 + 5)) + ((55 + 5)/5)) \\
&:= (6 \times (66 \times (6 + 6) + 6)) - 6/6 \\
&:= 7 \times 7 \times 7 \times (7 + 7) - (7/7 + 7 + 7) \\
&:= 8 + ((8/8 + 8) \times ((8 \times 8 \times 8 + 88/8) + 8)) \\
&:= 99 + (9 \times (((9 + 9)/9)^9 + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4792 &:= (1 + 1) \times ((1 + 1) \times ((11 \times (111 - 1 - 1)) - 1)) \\
&:= 2 \times (22 \times (222/2 - 2) - 2) \\
&:= 3^{3+3} + ((3/3 + 3)^{3+3} - 33) \\
&:= (4 \times 4 \times (44 + 4^4)) - 4 - 4 \\
&:= 5^5 + ((5555 + 5)/5 + 555) \\
&:= 6 + ((6 \times (66 \times (6 + 6) + 6)) - ((6 + 6)/6)) \\
&:= ((7 - 77)/7) + 7 \times 7 \times 7 \times (7 + 7) \\
&:= 8 \times (8 \times 8 \times 8 + 88) - 8 \\
&:= ((9 \times 9 - 99/9)^{(9+9)/9}) - (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4797 &:= 1 + ((1 + 1) \times ((1 + 1) \times (11 \times (111 - 1 - 1)))) \\
&:= 2/2 + (22 \times (222 - (2 + 2))) \\
&:= 3 \times (((3 + 3) \times ((3 \times (3 \times (3^3 + 3))) - 3)) - 3) \\
&:= 4/4 + ((4 \times 4 \times (44 + 4^4)) - 4) \\
&:= (5 + 5)/5 + ((55 + 5) \times (5 \times 5 + 55) - 5) \\
&:= (6 \times 6 - 6/6 + 6) \times (666/6 + 6) \\
&:= (7 + 7)/7 + (7 \times 7 \times 7 \times (7 + 7) - 7) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 88) - (88/8)) \\
&:= 9 + (9 \times (((9 + 9)/9)^9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4798 &:= (1+1) \times (1 + ((1+1) \times (11 \times (111-1-1)))) \\
&:= 2 + (22 \times (222 - (2+2))) \\
&:= 3^{3+3} + ((3/3+3)^{3+3} - 3^3) \\
&:= (4 \times 4 \times (44+4^4)) - (4+4)/4 \\
&:= (55+5) \times (5 \times 5+55) - (5+5)/5 \\
&:= 6 \times 6 + (((6+6)/6)^{6+6}) + 666 \\
&:= 7 + (7 \times 7 \times 7 \times (7+7) - (77/7)) \\
&:= 8 \times (8 \times 8 \times 8 + 88) - (8+8)/8 \\
&:= 9 + ((9 \times ((9+9)/9)^9 + 9) + 99) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4799 &:= ((1+11) \times ((1+1) \times (11-1))^{1+1}) - 1 \\
&:= (((22+2) \times (22-2)^2) - 2)/2 \\
&:= ((33/3+3) \times ((3/3+3+3)^3)) - 3 \\
&:= (4 \times 4 \times (44+4^4)) - 4/4 \\
&:= (55+5) \times (5 \times 5+55) - 5/5 \\
&:= 66/6 + (6 \times (66 \times (6+6) + 6)) \\
&:= 7 \times 7 \times 7 \times (7+7) - (7+7+7)/7 \\
&:= 8 \times (8 \times 8 \times 8 + 88) - 8/8 \\
&:= 99 + (9 \times ((9+9)/9)^9 + 9) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4800 &:= (1+11) \times ((1+1) \times (11-1))^{1+1} \\
&:= 2 \times ((2+2+2) \times (22-2)^2) \\
&:= (3^3+33) \times (3 \times 3^3 - 3/3) \\
&:= 4 \times 4 \times (44+4^4) \\
&:= (55+5) \times (5 \times 5+55) \\
&:= 6 + ((6 \times (66 \times (6+6) + 6)) + 6) \\
&:= 7 \times 7 \times 7 \times (7+7) - (7+7)/7 \\
&:= 8 \times (8 \times 8 \times 8 + 88) \\
&:= 999/9 + 9 \times ((9+9)/9)^9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4801 &:= 1 + ((1+11) \times ((1+1) \times (11-1))^{1+1}) \\
&:= (((22+2) \times (22-2)^2) + 2)/2 \\
&:= 3 + (((3/3+3)^{3+3} - 3^3) + 3^{3+3}) \\
&:= 4/4 + (4 \times 4 \times (44+4^4)) \\
&:= 5/5 + (55+5) \times (5 \times 5+55) \\
&:= 6 + (((6 \times (66 \times (6+6) + 6)) + 6/6) + 6) \\
&:= 7 \times 7 \times 7 \times (7+7) - 7/7 \\
&:= 8/8 + 8 \times (8 \times 8 \times 8 + 88) \\
&:= (9 \times 9 - 99/9)^{(9+9)/9} - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4802 &:= ((111-1-1-11)^{1+1})/(1+1) \\
&:= 2 \times (((2/2+2+2) + 2)^{2+2}) \\
&:= (33/3+3) \times ((3/3+3+3)^3) \\
&:= (4+4)/4 \times (((4-4/4) + 4)^4) \\
&:= (5+5)/5 + (55+5) \times (5 \times 5+55) \\
&:= ((6+6)/6) \times (((6/6+6)^{6-(6+6)/6}) \\
&:= 7 \times (7 \times 7 \times (7+7)) \\
&:= (8+8)/8 + 8 \times (8 \times 8 \times 8 + 88) \\
&:= (99-9/9) \times ((9 \times 99-9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4803 &:= 1 + (((111-1-1-11)^{1+1})/(1+1)) \\
&:= (((2 \times 2 \times (22+2) + 2)^2) + 2)/2 \\
&:= 3 + ((3^3+33) \times (3 \times 3^3 - 3/3)) \\
&:= 4 + ((4 \times 4 \times (44+4^4)) - 4/4) \\
&:= 5 + ((55+5) \times (5 \times 5+55) - ((5+5)/5)) \\
&:= 6 + ((6 \times 6 - 6/6 + 6) \times (666/6 + 6)) \\
&:= 7/7 + 7 \times 7 \times 7 \times (7+7) \\
&:= 88/8 + (8 \times (8 \times 8 \times 8 + 88) - 8) \\
&:= 9/9 + ((99-9/9) \times ((9 \times 99-9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4804 &:= 1 + (1 + (((111-1-1-11)^{1+1})/(1+1))) \\
&:= 2 + (2 \times (((2/2+2+2) + 2)^{2+2})) \\
&:= 3 + (((3/3+3)^{3+3} - 3^3) + 3^{3+3}) + 3 \\
&:= 4 + (4 \times 4 \times (44+4^4)) \\
&:= 5 + ((55+5) \times (5 \times 5+55) - 5/5) \\
&:= 6 + (((6+6)/6)^{6+6}) + 666 + 6 \times 6 \\
&:= (7+7)/7 + 7 \times 7 \times 7 \times (7+7) \\
&:= (8/((8+8)/8)) + 8 \times (8 \times 8 \times 8 + 88) \\
&:= ((99/9) \times (((9+9)/9)^9 - 9)) - 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4805 &:= ((1+111) \times (((1+1) \times (11+11)) - 1)) - 11 \\
&:= 2 + (((2 \times 2 \times (22+2) + 2)^2) + 2)/2 \\
&:= 3 + ((33/3+3) \times ((3/3+3+3)^3)) \\
&:= 4 + ((4 \times 4 \times (44+4^4)) + 4/4) \\
&:= 5 + (55+5) \times (5 \times 5+55) \\
&:= 6 + ((6 \times (66 \times (6+6) + 6)) + (66/6)) \\
&:= (7+7+7)/7 + 7 \times 7 \times 7 \times (7+7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 88) - (88/8)) + 8) \\
&:= 99 + ((9 \times ((9+9)/9)^9 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4806 &:= (11 \times (1 + ((1+1) \times ((1+1) \times (111-1-1)))) - 1 \\
&:= 2 \times (((2/2+2+2) + 2)^{2+2}) + 2 \\
&:= 3 \times ((3+3) \times ((3 \times (3 \times (3^3+3))) - 3)) \\
&:= 4 + ((4+4)/4 \times (((4-4/4) + 4)^4)) \\
&:= 5 + ((55+5) \times (5 \times 5+55) + 5/5) \\
&:= 6 + (((6 \times (66 \times (6+6) + 6)) + 6) + 6) \\
&:= 77/7 + (7 \times 7 \times 7 \times (7+7) - 7) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 88) - ((8+8)/8)) \\
&:= 99 + (9 \times ((9+9)/9)^9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4807 &:= 11 \times (1 + ((1+1) \times ((1+1) \times (111-1-1)))) \\
&:= 22/2 + (22 \times (222 - (2+2))) \\
&:= 3/3 + (3 \times ((3+3) \times ((3 \times (3 \times (3^3+3))) - 3))) \\
&:= 4 + (((4 \times 4 \times (44+4^4)) - 4/4) + 4) \\
&:= (5 \times (5 - 5/5)^5) - (5^5 + 5)/(5+5) \\
&:= 66 + ((6 \times 66 \times (6+6)) - (66/6)) \\
&:= 7 + (7 \times 7 \times 7 \times (7+7) - ((7+7)/7)) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 88) - 8/8) \\
&:= 9/9 + ((9 \times ((9+9)/9)^9 + 99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4808 &:= 1 + (11 \times (1 + ((1+1) \times ((1+1) \times (111-1-1)))) \\
&:= 2 + (2 \times (((2/2+2+2) + 2)^{2+2}) + 2) \\
&:= 3 + (((33/3+3) \times ((3/3+3+3)^3)) + 3) \\
&:= 4 + ((4 \times 4 \times (44+4^4)) + 4) \\
&:= ((5-5^5)/(5+5)) + (5 \times (5-5/5)^5) \\
&:= 6 + (((6+6)/6) \times (((6/6+6)^{6-(6+6)/6})) \\
&:= 7 + (7 \times 7 \times 7 \times (7+7) - 7/7) \\
&:= 8 + 8 \times (8 \times 8 \times 8 + 88) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (((9+9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4809 &:= ((11-1) \times (((11+11)^{1+1}) - (1+1))) - 11 \\
&:= (((2-22) \times (2-22^2)) - 22)/2 \\
&:= 3 + (3 \times ((3+3) \times ((3 \times (3 \times (3^3+3))) - 3))) \\
&:= 4 + (((4 \times 4 \times (44+4^4)) + 4/4) + 4) \\
&:= 5 + (((55+5) \times (5 \times 5+55) - 5/5) + 5) \\
&:= 6 \times 6 + (666/6 \times ((6 \times 6 + 6/6) + 6)) \\
&:= 7 + 7 \times 7 \times 7 \times (7+7) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 88) + 8/8) \\
&:= 9 + (9 \times ((9+9)/9)^9 + 9) + 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4810 &:= (11-1) \times (((11+11)^{1+1}) - (1+1+1)) \\
&:= 2 \times (((2/2+2+2) + 2)^{2+2}) + 2 + 2 \\
&:= 3 + ((3 \times ((3+3) \times ((3 \times (3 \times (3^3+3))) - 3))) + 3/3) \\
&:= (4+4)/4 \times (((4-4/4) + 4)^4) + 4 \\
&:= 5 + ((55+5) \times (5 \times 5+55) + 5) \\
&:= ((6+6)/6)^6 + ((6 \times 66 \times (6+6)) - 6) \\
&:= 7 + (7 \times 7 \times 7 \times (7+7) + 7/7) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 88) + ((8+8)/8)) \\
&:= 9 + (((9 \times 9 - 99/9)^{(9+9)/9}) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4811 &:= 11 + ((1+11) \times ((1+1) \times (11-1))^{1+1}) \\
&:= (((22+2) \times (22-2)^2) + 22)/2 \\
&:= (33/3+3+3)^3 - (3 \times 33+3) \\
&:= 44/4 + (4 \times 4 \times (44+4^4)) \\
&:= 55/5 + (55+5) \times (5 \times 5+55) \\
&:= 66 + ((6 \times 66 \times (6+6)) - (6/6+6)) \\
&:= 7 + (7 \times 7 \times 7 \times (7+7) + ((7+7)/7)) \\
&:= 88/8 + 8 \times (8 \times 8 \times 8 + 88) \\
&:= 9 + ((99-9/9) \times ((9 \times 99-9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4812 &:= (1+11) \times (1 + ((1+1) \times (11-1))^{1+1}) \\
&:= (2+2+2) \times (2 \times (22-2)^2 + 2) \\
&:= 33 + (3^3 \times (3 \times (3^3+33) - 3)) \\
&:= (4 \times (4 \times (44+4^4) + 4)) - 4 \\
&:= 5 + ((5 \times (5-5/5)^5) - (5^5+5)/(5+5)) \\
&:= 66 + ((6 \times 66 \times (6+6)) - 6) \\
&:= ((77-7)/7) + 7 \times 7 \times 7 \times (7+7) \\
&:= ((88+8)/8) + 8 \times (8 \times 8 \times 8 + 88) \\
&:= (99+9)/9 \times (((9+9)/9)^9) - 999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4813 &:= 1 + ((1 + 11) \times (1 + ((1 + 1) \times (11 - 1))^{1+1})) \\
&:= (((2 \times 2 \times (22 + 2) + 2)^2) + 22)/2 \\
&:= 3^{3+3} + ((3/3 + 3)^{3+3} - (3 \times 3 + 3)) \\
&:= 4/4 + ((4 \times (4 \times (44 + 4^4) + 4)) - 4) \\
&:= 5 + (((5 - 5^5)/(5 + 5)) + (5 \times (5 - 5/5)^5)) \\
&:= ((6 + 6) \times (6 \times 66 + 6)) - 66/6 \\
&:= 77/7 + 7 \times 7 \times 7 \times (7 + 7) \\
&:= 88 + ((8 \times 8 - 8/8) \times (88/8 + 8 \times 8)) \\
&:= 9 + (((99/9) \times (((9 + 9)/9)^9) - 9) - 9 \times 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4818 &:= (1 + 1) \times (11 \times (((1 + 1) \times (111 - 1)) - 1)) \\
&:= 22 \times (222 - (2/2 + 2)) \\
&:= (33 + 33) \times (((3 + 3)^3 + 3)/3) \\
&:= 4 \times 4 + ((4 + 4)/4 \times (((4 - 4/4) + 4^4)) \\
&:= 55/5 \times ((5^5 + 5)/(5 + 5) + 5 \times 5 \times 5) \\
&:= 66 + (6 \times 66 \times (6 + 6)) \\
&:= 77 \times 77 - 7777/7 \\
&:= ((8 - 888)/8) + 88 \times (8 \times 8 - 8) \\
&:= 99 + (9 \times ((9 + 9)/9)^9 + 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4823 &:= 11 + ((1 + 11) \times (1 + ((1 + 1) \times (11 - 1))^{1+1})) \\
&:= 2 + (((2 - 22) \times (2 - 22^2)) + 2)/2 \\
&:= (3 \times (3 - 33)) + (33/3 + 3 + 3)^3 \\
&:= 4 + (((44 + 4/4) \times (444/4 - 4)) + 4) \\
&:= 5 \times 555 + (((5 + 5)/5)^{55/5}) \\
&:= ((6 + 6) \times (6 \times 66 + 6)) - 6/6 \\
&:= 7 + ((7 \times 7 \times 7 \times (7 + 7) + 7) + 7) \\
&:= (8 - 8/8) \times ((8 \times 88 - (8 + 8)) + 8/8) \\
&:= 9 + (((9 - 9/9) + 9)^{(9+9+9)/9}) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4814 &:= (((1 + 1 + 11) \times 1111) - 1)/(1 + 1 + 1) \\
&:= 2 + (2 + 2 + 2) \times (2 \times (22 - 2)^2 + 2) \\
&:= (33/3 + 3 + 3)^3 - 3 \times 33 \\
&:= 4 + ((4 + 4)/4 \times (((4 - 4/4) + 4^4) + 4)) \\
&:= 5555 - ((555 + 5^5)/5 + 5) \\
&:= (6 - 66)/6 + ((6 + 6) \times (6 \times 66 + 6)) \\
&:= (77 + 7)/7 + 7 \times 7 \times 7 \times (7 + 7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 88) - ((8 + 8)/8)) + 8) \\
&:= (((9 - 9/9) + 9)^{(9+9+9)/9}) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4819 &:= 1 + ((1 + 1) \times (11 \times (((1 + 1) \times (111 - 1)) - 1))) \\
&:= (((2 - 22) \times (2 - 22^2)) - 2)/2 \\
&:= 3^{3+3} + ((3/3 + 3)^{3+3} - (3 + 3)) \\
&:= 4 + ((44 + 4/4) \times (444/4 - 4)) \\
&:= 5555 - (555 + 5^5)/5 \\
&:= 66 + ((6 \times 66 \times (6 + 6)) + 6/6) \\
&:= 7 + (7 \times 7 \times 7 \times (7 + 7) + ((77 - 7)/7)) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 88) + (88/8)) \\
&:= ((9 \times 9 - 99/9)^{(9+9)/9}) - 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4824 &:= (1 + 11) \times (1 + (1 + ((1 + 1) \times (11 - 1))^{1+1})) \\
&:= 2 \times ((2 + 2 + 2) \times ((22 - 2)^2 + 2)) \\
&:= (3^3 - 3) \times (33 \times (3 + 3) + 3) \\
&:= 4 + ((4 \times (4 \times (44 + 4^4) + 4)) + 4) \\
&:= 5 + (5555 - (555 + 5^5)/5) \\
&:= (6 + 6) \times (6 \times 66 + 6) \\
&:= 7 + (((7 \times 7 \times 7 \times (7 + 7) + 7/7) + 7) + 7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 88) + 8) + 8) \\
&:= 9 \times (((99 \times 99 + 9)/(9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4815 &:= ((1 + 111) \times (((1 + 1) \times (11 + 11)) - 1)) - 1 \\
&:= 2 + (((2 \times 2 \times (22 + 2) + 2)^2) + 22)/2 \\
&:= 3 \times (3333 - (3 \times 3 + 3)^3) \\
&:= (44 + 4/4) \times (444/4 - 4) \\
&:= (5 \times ((5 - 5/5)^5 - (55 + 5))) - 5 \\
&:= 66 + ((6 \times 66 \times (6 + 6)) - (6 \times 6/(6 + 6))) \\
&:= 7 + ((7 \times 7 \times 7 \times (7 + 7) - 7/7) + 7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 88) - 8/8) + 8) \\
&:= 9 \times ((99 \times 99 - 9)/(9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4820 &:= (11 - 1) \times (((11 + 11)^{1+1}) - (1 + 1)) \\
&:= (2 - 22) \times ((2 - 22^2)/2) \\
&:= 3 + (((33/3 + 3 + 3)^3 - 3 \times 33) + 3) \\
&:= 4 + (4 \times (4 \times (44 + 4^4) + 4)) \\
&:= 5 \times ((5 - 5/5)^5 - (55 + 5)) \\
&:= 66 + ((6 \times 66 \times (6 + 6)) + ((6 + 6)/6)) \\
&:= 7 + (7 \times 7 \times 7 \times (7 + 7) + (77/7)) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 88) + ((88 + 8)/8)) \\
&:= (99/9 + 9) \times (9 \times (9 + 9 + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4825 &:= ((1 + 1)^{1+1+1}) + (11 - 1 - 1)^{1+1+1} \\
&:= (((22 + 2) \times ((22 - 2)^2 + 2)) + 2)/2 \\
&:= 3^{3+3} + (3/3 + 3)^{3+3} \\
&:= (4 + 4)^4 + ((4 - 4/4)^{4+(4+4)/4}) \\
&:= 5 + (5 \times ((5 - 5/5)^5 - (55 + 5))) \\
&:= 6/6 + ((6 + 6) \times (6 \times 66 + 6)) \\
&:= 7 + (77 \times 77 - 7777/7) \\
&:= 8 + (88 \times (8 \times 8 - 8) - 888/8) \\
&:= 9 \times 9 \times 9 + ((9 - 9/9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4816 &:= (1 + 111) \times (((1 + 1) \times (11 + 11)) - 1) \\
&:= (22 \times (222 - 2)) - 22 - 2 \\
&:= 3^{3+3} + ((3/3 + 3)^{3+3} - 3 \times 3) \\
&:= 4 \times (4 \times (44 + 4^4) + 4) \\
&:= (55/5 + 5) \times (5 \times (55 + 5) + 5/5) \\
&:= ((6 + 6)/6)^6 + (6 \times 66 \times (6 + 6)) \\
&:= 7 + (7 \times 7 \times 7 \times (7 + 7) + 7) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 88) + 8) \\
&:= (9 - 9/9) \times (((9 + 9)/9)^9) + 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4821 &:= 1 + ((11 - 1) \times (((11 + 11)^{1+1}) - (1 + 1))) \\
&:= (((2 - 22) \times (2 - 22^2)) + 2)/2 \\
&:= ((3^3 - 3) \times (33 \times (3 + 3) + 3)) - 3 \\
&:= 4 + ((4 \times (4 \times (44 + 4^4) + 4)) + 4/4) \\
&:= 5/5 + (5 \times ((5 - 5/5)^5 - (55 + 5))) \\
&:= ((6 + 6) \times (6 \times 66 + 6)) - 6 \times 6/(6 + 6) \\
&:= 7 + (7 \times 7 \times 7 \times (7 + 7) + (77 + 7)/7) \\
&:= 88 \times (8 \times 8 - 8) - ((88/8 + 88) + 8) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - ((99 + 9)/9 + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4826 &:= 1 + (((1 + 1)^{1+1+1}) + (11 - 1 - 1)^{1+1+1}) \\
&:= 2 + (2 \times ((2 + 2 + 2) \times ((22 - 2)^2 + 2))) \\
&:= 3/3 + ((3/3 + 3)^{3+3} + 3^{3+3}) \\
&:= ((44/4 + 4) + 4) \times (4^4 - (4 + 4)/4) \\
&:= 5 + ((5 \times ((5 - 5/5)^5 - (55 + 5))) + 5/5) \\
&:= (6 + 6)/6 + ((6 + 6) \times (6 \times 66 + 6)) \\
&:= 7 + ((7 \times 7 \times 7 \times (7 + 7) + ((77 - 7)/7)) + 7) \\
&:= 8 + (((8 - 888)/8) + 88 \times (8 \times 8 - 8)) \\
&:= (9/9 + 9 + 9) \times (9 \times (9 + 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4817 &:= 1 + ((1 + 111) \times (((1 + 1) \times (11 + 11)) - 1)) \\
&:= (22 \times (222 - 2)) - 22 - 2/2 \\
&:= 3 + ((33/3 + 3 + 3)^3 - 3 \times 33) \\
&:= 4/4 + (4 \times (4 \times (44 + 4^4) + 4)) \\
&:= 5 + (((5 \times (5 - 5/5)^5) - (5^5 + 5)/(5 + 5)) + 5) \\
&:= 66 + ((6 \times 66 \times (6 + 6)) - 6/6) \\
&:= 7 + ((7 \times 7 \times 7 \times (7 + 7) + 7/7) + 7) \\
&:= 88 \times (8 \times 8 - 8) - 888/8 \\
&:= 9 + (9 \times 9 \times (9 \times 9 - 9) - (((9 + 9)/9)^{9/9+9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4822 &:= 1 + (1 + ((11 - 1) \times (((11 + 11)^{1+1}) - (1 + 1)))) \\
&:= 2 + ((2 - 22) \times ((2 - 22^2)/2)) \\
&:= 3^{3+3} + ((3/3 + 3)^{3+3} - 3) \\
&:= 4 + (((4 + 4)/4 \times (((4 - 4/4) + 4^4)) + 4 \times 4) \\
&:= (5 + 5)/5 + (5 \times ((5 - 5/5)^5 - (55 + 5))) \\
&:= ((6 + 6) \times (6 \times 66 + 6)) - (6 + 6)/6 \\
&:= 7 + (((7 \times 7 \times 7 \times (7 + 7) - 7/7) + 7) + 7) \\
&:= (88 + 88)/8 + 8 \times (8 \times 8 \times 8 + 88) \\
&:= 9 \times 9 + ((99/9) \times (((9 + 9)/9)^9) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4827 &:= 11 + ((1 + 111) \times (((1 + 1) \times (11 + 11)) - 1)) \\
&:= (22 \times (222 - 2)) - (22/2 + 2) \\
&:= 3 + ((3^3 - 3) \times (33 \times (3 + 3) + 3)) \\
&:= 44/4 + (4 \times (4 \times (44 + 4^4) + 4)) \\
&:= 5 \times 5 \times 5 \times 55 - (((5 + 5)/5)^{55/5}) \\
&:= 666/6 + (6 \times (66 \times (6 + 6) - 6)) \\
&:= 7 + ((7 \times 7 \times 7 \times (7 + 7) + (77/7)) + 7) \\
&:= 8 + ((8 \times (8 \times 8 \times 8 + 88) + (88/8)) + 8) \\
&:= 9 + ((9 \times (9 + 9)/9)^9 + 999/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4828 &:= ((11-1) \times ((11+11)^{1+1}) - 1 - 11) \\
&:= 2 \times ((2+2+2) \times ((22-2)^2 + 2)) + 2) \\
&:= 3 + ((3/3+3)^{3+3} + 3^{3+3}) \\
&:= 44 + (4 \times (4 \times (44+4^4) - 4)) \\
&:= 5 + (((5+5)/5)^{55/5} + 5 \times 555) \\
&:= 6 + (((6+6) \times (6 \times 66+6)) - ((6+6)/6)) \\
&:= 7 + ((7 \times 7 \times 7 \times (7+7) + (77+7)/7) + 7) \\
&:= 88 \times (8 \times 8 - 8) + ((88 - 888)/8) \\
&:= 9 + (((9 \times 9 - 99/9)^{(9+9)/9}) - 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4829 &:= 11 \times (((11+(11-1))^{1+1}) - (1+1)) \\
&:= 22/2 \times (((22-2/2)^2) - 2) \\
&:= (3 \times (3+3))^3 - (((3 \times 3+3/3)^3) + 3) \\
&:= 44/4 \times (444 - (4/4+4)) \\
&:= 55 + (((5-5/5)^5 + 5^5/5) + 5^5) \\
&:= 6 + (((6+6) \times (6 \times 66+6)) - 6/6) \\
&:= 77 + ((7 \times ((7 \times 7 \times (7+7)) - 7)) - 7/7) \\
&:= 88/8 \times (8 \times (8 \times 8 - 8) - (8/8+8)) \\
&:= 9 + ((99/9+9) \times (9 \times (9+9+9) - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4830 &:= (11-1) \times (((11+11)^{1+1}) - 1) \\
&:= 222 + (2 \times ((2 \times (22+2))^2)) \\
&:= (3^3+3) \times ((3+3) \times 3^3 - 3/3) \\
&:= (44-4)/4 \times ((44 \times 44 - 4)/4) \\
&:= 55 + ((55 \times (5 \times 5+5)) + 5^5) \\
&:= 6 + ((6+6) \times (6 \times 66+6)) \\
&:= 77 + (7 \times ((7 \times 7 \times (7+7)) - 7)) \\
&:= (8-8/8) \times (((8+8)/8) - (8+8)) + 8 \times 88) \\
&:= (9 \times 9 - 99/9) \times (9 \times 9 - (99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4831 &:= 1 + ((11-1) \times (((11+11)^{1+1}) - 1)) \\
&:= 2 + (22/2 \times (((22-2/2)^2) - 2)) \\
&:= 3 + (((3/3+3)^{3+3} + 3^{3+3}) + 3) \\
&:= (4 \times ((4 \times (44+4^4) + 4) + 4)) - 4/4 \\
&:= 55 + (((55 \times (5 \times 5+5)) + 5^5) + 5/5) \\
&:= 6 + (((6+6) \times (6 \times 66+6)) + 6/6) \\
&:= 7/7 + ((7 \times ((7 \times 7 \times (7+7)) - 7)) + 77) \\
&:= 88 \times (8 \times 8 - 8) - ((8/8+88) + 8) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (((9+9)/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4832 &:= 1 + (1 + ((11-1) \times (((11+11)^{1+1}) - 1))) \\
&:= (22 \times (222-2)) - 2 \times (2+2) \\
&:= (3 \times (3+3))^3 - ((3 \times 3+3/3)^3) \\
&:= 4 \times ((4 \times (44+4^4) + 4) + 4) \\
&:= ((5+5)/5)^5 \times (5 \times (5 \times 5+5) + 5/5) \\
&:= 6 + (((6+6) \times (6 \times 66+6)) + ((6+6)/6)) \\
&:= ((7+7)/7)^7 + ((7+7) \times (7 \times 7 \times 7 - 7)) \\
&:= 88 \times (8 \times 8 - 8) - (88+8) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - (999+9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4833 &:= 1 + (1 + (1 + ((11-1) \times (((11+11)^{1+1}) - 1)))) \\
&:= 2 + ((22/2 \times (((22-2/2)^2) - 2)) + 2) \\
&:= (3 \times (3+3))^3 - 3 \times 333 \\
&:= 4 + (44/4 \times (444 - (4/4+4))) \\
&:= ((5-5^5)/(5+5)) + (5 \times ((5-5/5)^5 + 5)) \\
&:= 6 + (((6+6) \times (6 \times 66+6)) + (6 \times 6/(6+6))) \\
&:= ((7+7)/7+7) \times (7 \times 77 - ((7+7)/7)) \\
&:= 8/8 + (88 \times (8 \times 8 - 8) - (88+8)) \\
&:= 9 \times 9 \times (9 \times 9 - 9) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4834 &:= (1+1) \times (((1+1) \times ((11 \times (111-1)) - 1)) - 1) \\
&:= (22 \times (222-2)) - 2 - 2 - 2 \\
&:= 3 \times 3 + ((3/3+3)^{3+3} + 3^{3+3}) \\
&:= (4+4)/4 \times (((4-4/4)+4^4) + 4 \times 4) \\
&:= 5 \times ((5-5/5)^5 - 55) - 55/5 \\
&:= ((66-6)/6) + ((6+6) \times (6 \times 66+6)) \\
&:= 7 + (((7 \times 7 \times 7 \times (7+7) + (77/7)) + 7) + 7) \\
&:= (8+8)/8 + (88 \times (8 \times 8 - 8) - (88+8)) \\
&:= 9/9 + (9 \times 9 \times (9 \times 9 - 9) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4835 &:= ((1+1) \times ((1+1) \times ((11 \times (111-1)) - 1))) - 1 \\
&:= (2/2+2+2) \times (2 \times 22^2 - 2/2) \\
&:= 3 + ((3 \times (3+3))^3 - ((3 \times 3+3/3)^3)) \\
&:= (44 \times (444-4)/4) - 4/4 - 4 \\
&:= 5 \times ((5-5/5)^5 - 55) - 5 - 5 \\
&:= 66/6 + ((6+6) \times (6 \times 66+6)) \\
&:= 7777/7 + 7 \times (7 \times 77 - 7) \\
&:= ((8-88/8) + 8) \times ((88 \times 88 - 8)/8) \\
&:= (9+9)/9 + (9 \times 9 \times (9 \times 9 - 9) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4836 &:= (1+1) \times ((1+1) \times ((11 \times (111-1)) - 1)) \\
&:= (22 \times (222-2)) - 2 - 2 \\
&:= 3 + ((3 \times (3+3))^3 - 3 \times 333) \\
&:= (44 \times (444-4)/4) - 4 \\
&:= 5^5 + (((5555+5^5)/5) - 5 \times 5) \\
&:= 6 + (((6+6) \times (6 \times 66+6)) + 6) \\
&:= (7/7+77) \times (((7 \times 7 - 7/7) + 7) + 7) \\
&:= (8 \times 8 - ((8+8)/8)) \times ((8-88)/8+88) \\
&:= ((9+9+9)/9) + (9 \times 9 \times (9 \times 9 - 9) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4837 &:= 1 + ((1+1) \times ((1+1) \times ((11 \times (111-1)) - 1))) \\
&:= (22 \times (222-2)) - 2/2 - 2 \\
&:= 3 + (((3 \times (3+3))^3 - 3 \times 333) + 3/3) \\
&:= 4/4 + ((44 \times (444-4)/4) - 4) \\
&:= 5 + (((5+5)/5)^5 \times (5 \times (5 \times 5+5) + 5/5)) \\
&:= 6 + (((6+6) \times (6 \times 66+6)) + 6/6) + 6) \\
&:= (7 \times ((7 \times 7 \times (7+7)) + 7)) - (7+7) \\
&:= 8 + (88/8 \times (8 \times (8 \times 8 - 8) - (8/8+8))) \\
&:= 9 + (((9 \times 9 - 99/9)^{(9+9)/9}) - 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4838 &:= (1+1) \times (((1+1) \times (11 \times (111-1))) - 1) \\
&:= (22 \times (222-2)) - 2 \\
&:= 3 + (((3 \times (3+3))^3 - ((3 \times 3+3/3)^3) + 3) \\
&:= (44 \times (444-4)/4) - (4+4)/4 \\
&:= 5 \times ((5-5/5)^5 - 55) - ((5+5)/5+5) \\
&:= 6 + (((6+6) \times (6 \times 66+6)) + ((6+6)/6)) + 6) \\
&:= 7/7 + ((7 \times ((7 \times 7 \times (7+7)) + 7)) - (7+7)) \\
&:= 88 \times (8 \times 8 - 8) - ((8+8)/8+88) \\
&:= (9/9+9 \times 9) \times (((9 \times 99+9)/(9+9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4839 &:= ((11-1) \times ((11+11)^{1+1}) - 1) \\
&:= (22 \times (222-2)) - 2/2 \\
&:= ((3+3) \times ((3^3 \times (3^3+3)) - 3)) - 3 \\
&:= (44 \times (444-4)/4) - 4/4 \\
&:= 5 \times ((5-5/5)^5 - 55) - (5/5+5) \\
&:= 66 + (666/6 \times ((6 \times 6+6/6) + 6)) \\
&:= (7 \times ((7 \times 7 \times (7+7)) + 7)) - (77+7)/7 \\
&:= 88 \times (8 \times 8 - 8) - (8/8+88) \\
&:= 9 + ((9 \times 9 - 99/9) \times (9 \times 9 - (99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4840 &:= (11-1) \times ((11+11)^{1+1}) - 1 \\
&:= 22 \times (222-2) \\
&:= (33/3+3 \times 3) \times ((3^{3+3} - 3)/3) \\
&:= 44 \times (444-4)/4 \\
&:= 5 \times ((5-5/5)^5 - 55) - 5 \\
&:= 6 + (((6+6) \times (6 \times 66+6)) + ((66-6)/6)) \\
&:= (7 \times ((7 \times 7 \times (7+7)) + 7)) - 77/7 \\
&:= 88 \times (8 \times 8 - (8/8+8)) \\
&:= 99/9 \times (((9+9)/9)^9) - 9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4841 &:= 1 + ((11-1) \times ((11+11)^{1+1})) \\
&:= 2/2 + (22 \times (222-2)) \\
&:= (3 \times (3-3^3)) + (33/3+3+3)^3 \\
&:= 4/4 + (44 \times (444-4)/4) \\
&:= 5/5 + (5 \times ((5-5/5)^5 - 55) - 5) \\
&:= 6 + (((6+6) \times (6 \times 66+6)) + (66/6)) \\
&:= ((7-77)/7) + (7 \times ((7 \times 7 \times (7+7)) + 7)) \\
&:= 8/8 + (88 \times (8 \times 8 - (8/8+8))) \\
&:= 9 + (9 \times 9 \times (9 \times 9 - 9) - (999+9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4842 &:= 1 + (1 + ((11-1) \times ((11+11)^{1+1}))) \\
&:= 2 + (22 \times (222-2)) \\
&:= (3+3) \times ((3^3 \times (3^3+3)) - 3) \\
&:= (4+4)/4 + (44 \times (444-4)/4) \\
&:= (5+5)/5 + (5 \times ((5-5/5)^5 - 55) - 5) \\
&:= 6 + (((6+6) \times (6 \times 66+6)) + 6) + 6) \\
&:= ((7+7)/7+7) \times (7 \times 77 - 7/7) \\
&:= (8+8)/8 + (88 \times (8 \times 8 - (8/8+8))) \\
&:= 9 + (9 \times 9 \times (9 \times 9 - 9) - 999)
\end{aligned}$$

- ▶ 4843 := $1 + (1 + (1 + ((11 - 1) \times ((11 + 11)^{1+1})))$
:= $2 + ((22 \times (222 - 2)) + 2/2)$
:= $3/3 + ((3 + 3) \times ((3^3 \times (3^3 + 3)) - 3))$
:= $4 + ((44 \times (444 - 4)/4) - 4/4)$
:= $5 \times ((5 - 5/5)^5 - 55) - (5 + 5)/5$
:= $6 + (((((6 + 6) \times (6 \times 66 + 6)) + 6/6) + 6) + 6)$
:= $(7 \times ((7 \times 7 \times (7 + 7)) + 7)) - (7/7 + 7)$
:= $((8 - 8/8) \times (8 \times 88 - (88/8))) - 8$
:= $9 + ((9 \times 9 \times (9 \times 9 - 9) - 999) + 9/9)$
- ▶ 4844 := $(1 + 1) \times ((1 + 1) \times (1 + (11 \times (111 - 1))))$
:= $2 + ((22 \times (222 - 2)) + 2)$
:= $(33/3 + 3) \times (((3/3 + 3 + 3)^3) + 3)$
:= $4 + (44 \times (444 - 4)/4)$
:= $5 \times ((5 - 5/5)^5 - 55) - 5/5$
:= $6 + (((((6 + 6) \times (6 \times 66 + 6)) + ((6 + 6)/6)) + 6) + 6)$
:= $(7 \times ((7 \times 7 \times (7 + 7)) + 7)) - 7$
:= $(8 - 8/8) \times (8 \times 88 - ((88 + 8)/8))$
:= $99/9 + (9 \times 9 \times (9 \times 9 - 9) - 999)$
- ▶ 4845 := $1 + ((1 + 1) \times ((1 + 1) \times (1 + (11 \times (111 - 1))))$
:= $2 + (((22 \times (222 - 2)) + 2/2) + 2)$
:= $3 + ((3 + 3) \times ((3^3 \times (3^3 + 3)) - 3))$
:= $(4^4 - 4/4) \times ((44/4 + 4) + 4)$
:= $5 \times ((5 - 5/5)^5 - 55)$
:= $(66/6 + 6) \times (6 \times 66 - 666/6)$
:= $7/7 + ((7 \times ((7 \times 7 \times (7 + 7)) + 7)) - 7)$
:= $(88/8 + 8) \times ((8 + 8) \times (8 + 8) - 8/8)$
:= $(99 \times 99 - 999/9) / ((9 + 9)/9)$
- ▶ 4846 := $(1 + 1) \times (1 + ((1 + 1) \times (1 + (11 \times (111 - 1))))$
:= $2 + (((22 \times (222 - 2)) + 2) + 2)$
:= $3 + (((3 + 3) \times ((3^3 \times (3^3 + 3)) - 3)) + 3/3)$
:= $44 + ((4 + 4)/4 \times (((4 - 4)/4 + 4)^4))$
:= $5/5 + 5 \times ((5 - 5/5)^5 - 55)$
:= $((6 + 6)/6) \times (6 \times (6 \times 66 + 6) + (66/6))$
:= $(7 + 7)/7 + ((7 \times ((7 \times 7 \times (7 + 7)) + 7)) - 7)$
:= $8 + (88 \times (8 \times 8 - 8) - ((8 + 8)/8 + 88))$
:= $(99 \times 99 - (9/9 + 99 + 9)) / ((9 + 9)/9)$
- ▶ 4847 := $((11 \times (1 + 11)) - 1) \times (111 / (1 + 1 + 1))$
:= $(22/2 \times ((22 - 2/2)^2)) - 2 - 2$
:= $(33/3 + 3 + 3)^3 - (33 + 33)$
:= $(4 \times ((4 \times ((44 + 4^4) + 4)) - 4)) - 4/4$
:= $(5 + 5)/5 + 5 \times ((5 - 5/5)^5 - 55)$
:= $(6 \times 6 + 6/6) \times (66 - 6/6 + 66)$
:= $7 + ((7 \times ((7 \times 7 \times (7 + 7)) + 7)) - (77/7))$
:= $8 + (88 \times (8 \times 8 - 8) - (8/8 + 88))$
:= $9 + ((9/9 + 9 \times 9) \times (((9 \times 99 + 9) / (9 + 9)) + 9))$
- ▶ 4848 := $(1 + 1) \times ((1 + 1) \times (1 + (1 + (11 \times (111 - 1))))$
:= $2 \times (2 + 2) + (22 \times (222 - 2))$
:= $(3 \times (3 \times 3 + 3)^3) - (333 + 3)$
:= $4 \times ((4 \times ((44 + 4^4) + 4)) - 4)$
:= $5 + (5 \times ((5 - 5/5)^5 - 55) - ((5 + 5)/5))$
:= $66 + ((6 \times (66 \times (6 + 6) + 6)) - 6)$
:= $(7 \times 7 - 7/7) \times (7777/77)$
:= $8 + (88 \times (8 \times 8 - (8/8 + 8)))$
:= $(99 + 9)/9 \times (((9 + 9)/9)^9) - (99 + 9)$
- ▶ 4849 := $(11 \times ((11 + (11 - 1))^{1+1})) - 1 - 1$
:= $(22/2 \times ((22 - 2/2)^2)) - 2$
:= $(33/3 + 3 + 3)^3 - ((3/3 + 3)^3)$
:= $4 + ((4^4 - 4/4) \times ((44/4 + 4) + 4))$
:= $5 + (5 \times ((5 - 5/5)^5 - 55) - 5/5)$
:= $6 \times 6 + (((6 + 6) \times (6 \times 66 + 6)) - (66/6))$
:= $(7 \times ((7 \times 7 \times (7 + 7)) + 7)) - (7 + 7)/7$
:= $8 + ((88 \times (8 \times 8 - (8/8 + 8))) + 8/8)$
:= $(9 + 9 + 9) \times (99 + 9 \times 9) - 99/9$
- ▶ 4850 := $(11 - 1) \times (1 + ((11 + 11)^{1+1}))$
:= $(2/2 + 2 + 2) \times (2 \times 22^2 + 2)$
:= $(3 \times (3 \times 3 + 3)^3) - (333 + 3/3)$
:= $(44 - 4)/4 \times ((44 \times 44 + 4)/4)$
:= $5 + 5 \times ((5 - 5/5)^5 - 55)$
:= $6 \times 6 + (((6 + 6) \times (6 \times 66 + 6)) + ((6 - 66)/6))$
:= $(7 \times ((7 \times 7 \times (7 + 7)) + 7)) - 7/7$
:= $8 + ((88 \times (8 \times 8 - (8/8 + 8))) + ((8 + 8)/8))$
:= $(9/9 + 9) \times (((9 + 9)/9)^9) - (9 + 9 + 9)$
- ▶ 4851 := $11 \times ((11 + (11 - 1))^{1+1})$
:= $22/2 \times ((22 - 2/2)^2)$
:= $3 \times (3^3 \times (3^3 + 33) - 3)$
:= $44/4 \times ((444 - 4) + 4/4)$
:= $5 + (5 \times ((5 - 5/5)^5 - 55) + 5/5)$
:= $(6/6 + 6) \times (((6 \times 6 / (6 + 6))^6) - 6 \times 6)$
:= $7 \times ((7 \times 7 \times (7 + 7)) + 7)$
:= $(8 - 8/8) \times (8 \times 88 - (88/8))$
:= $9 \times (((9 + 9)/9)^9 + 9) + 9 + 9$
- ▶ 4852 := $1 + (11 \times ((11 + (11 - 1))^{1+1}))$
:= $(22 \times 222) - (2 \times 2^{2+2})$
:= $3^3 + ((3/3 + 3)^{3+3} + 3^{3+3})$
:= $4 + (4 \times ((4 \times ((44 + 4^4) + 4)) - 4))$
:= $5 + (5 \times ((5 - 5/5)^5 - 55) + ((5 + 5)/5))$
:= $((6 + 6)/6)^6 + (6 \times (66 \times (6 + 6) + 6))$
:= $7/7 + (7 \times ((7 \times 7 \times (7 + 7)) + 7))$
:= $8 + ((8 - 8/8) \times (8 \times 88 - ((88 + 8)/8)))$
:= $9/9 + (9 \times (((9 + 9)/9)^9 + 9) + 9) + 9$
- ▶ 4853 := $1 + (1 + (11 \times ((11 + (11 - 1))^{1+1})))$
:= $2 + (22/2 \times ((22 - 2/2)^2))$
:= $(33/3 + 3 + 3)^3 - (3^3 + 33)$
:= $4^4 \times (4 \times 4 + 4) - (44/4 + 4^4)$
:= $5^5 + (((55 + 5)/5)^{5 - (5+5)/5})$
:= $66 + ((6 \times (66 \times (6 + 6) + 6)) - 6/6)$
:= $(7 + 7)/7 + (7 \times ((7 \times 7 \times (7 + 7)) + 7))$
:= $88 \times (8 \times 8 - 8) - (88/8 + 8 \times 8)$
:= $(9 + 9)/9 + (9 \times (((9 + 9)/9)^9 + 9) + 9) + 9$
- ▶ 4854 := $1 + (1 + (1 + (11 \times ((11 + (11 - 1))^{1+1}))))$
:= $2 + ((22 \times 222) - (2 \times 2^{2+2}))$
:= $3 + (3 \times (3^3 \times (3^3 + 33) - 3))$
:= $4 + ((44 - 4)/4 \times ((44 \times 44 + 4)/4))$
:= $5 + ((5 \times ((5 - 5/5)^5 - 55) - 5/5) + 5)$
:= $66 + (6 \times (66 \times (6 + 6) + 6))$
:= $(7 + 7 + 7)/7 + (7 \times ((7 \times 7 \times (7 + 7)) + 7))$
:= $(8 - 88)/8 + (8 \times ((8 \times 8 \times 8 + 88) + 8))$
:= $(9 - ((9 + 9 + 9)/9)) \times (9 \times (9 \times 9 + 9) - 9/9)$
- ▶ 4855 := $1 + (1 + (1 + (1 + (11 \times ((11 + (11 - 1))^{1+1}))))$
:= $2 + ((22/2 \times ((22 - 2/2)^2)) + 2)$
:= $3 + ((3 \times (3^3 \times (3^3 + 33) - 3)) + 3/3)$
:= $4 + (44/4 \times ((444 - 4) + 4/4))$
:= $5 + (5 \times ((5 - 5/5)^5 - 55) + 5)$
:= $66 + ((6 \times (66 \times (6 + 6) + 6)) + 6/6)$
:= $77/7 + ((7 \times ((7 \times 7 \times (7 + 7)) + 7)) - 7)$
:= $88 \times (8 \times 8 - 8) - ((8/8 + 8 \times 8) + 8)$
:= $((9 \times 9 + 9) / (9 + 9)) \times (9 \times (99 + 9) - 9/9)$
- ▶ 4856 := $(1 + 1) \times ((11 \times ((1 + 1) \times 111 - 1)) - (1 + 1 + 1))$
:= $2^{2+2} + (22 \times (222 - 2))$
:= $(3 \times 3^3 \times (3^3 + 33)) - (3/3 + 3)$
:= $4 \times 4 + (44 \times (444 - 4)/4)$
:= $5^5 + ((5555 + 5^5) / 5 - 5)$
:= $66 + ((6 \times (66 \times (6 + 6) + 6)) + ((6 + 6)/6))$
:= $7 + ((7 \times ((7 \times 7 \times (7 + 7)) + 7)) - ((7 + 7)/7))$
:= $88 \times (8 \times 8 - 8) - (8 \times 8 + 8)$
:= $(9 - 9/9) \times (9 \times 9 \times 9 - (999 + 99)/9)$
- ▶ 4857 := $((1 + 1) \times ((11 \times ((1 + 1) \times 111 - 1)) - (1 + 1))) - 1$
:= $((((22 - 2) \times (22^2 + 2)) - 2) / 2) - 2$
:= $(3 \times 3^3 \times (3^3 + 33)) - 3$
:= $(44/4 \times (444 - 4/4)) - 4 \times 4$
:= $5^5 + (((5555 + 5^5) + 5) / 5) - 5$
:= $666/6 + ((6 \times 66 \times (6 + 6)) - 6)$
:= $7 + ((7 \times ((7 \times 7 \times (7 + 7)) + 7)) - 7/7)$
:= $8/8 + (88 \times (8 \times 8 - 8) - (8 \times 8 + 8))$
:= $((9 + 9 + 9) / 9) \times ((9 \times (99 + 9 \times 9)) - 9/9)$

$$\begin{aligned}
\blacktriangleright 4858 &:= (1+1) \times ((11 \times ((1+1) \times 111 - 1)) - (1+1)) \\
&:= (22 \times 222) - 22 - 2 - 2 \\
&:= 3/3 + ((3 \times 3^3 \times (3^3 + 33)) - 3) \\
&:= (44/4 \times (444 - (4+4)/4)) - 4 \\
&:= 5 + (((55+5)/5)^{5-(5+5)/5}) + 5^5 \\
&:= 6 + ((6 \times (66 \times (6+6) + 6)) + ((6+6)/6)^6) \\
&:= 7 + (7 \times ((7 \times 7 \times (7+7)) + 7)) \\
&:= (8 - 8/8) \times ((8 - 88)/8 + 8 \times 88) \\
&:= (9+9+9) \times (99+9 \times 9) - (9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4859 &:= (1+1+111) \times (((1+1) \times (11+11)) - 1) \\
&:= (((22-2) \times (22^2+2)) - 2)/2 \\
&:= (3 \times 3^3 \times (3^3+33)) - 3/3 \\
&:= (44-4/4) \times ((444+4+4)/4) \\
&:= ((5 \times 5 - 5) \times ((5 - (5+5)/5)^5)) - 5/5 \\
&:= 6 \times 6 + (((6+6) \times (6 \times 66+6)) - 6/6) \\
&:= 7 + ((7 \times ((7 \times 7 \times (7+7)) + 7)) + 7/7) \\
&:= 8 + ((8 - 8/8) \times (8 \times 88 - (88/8))) \\
&:= (9+9+9) \times (99+9 \times 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4860 &:= (1+1) \times ((11 \times ((1+1) \times 111 - 1)) - 1) \\
&:= (22-2) \times (22^2+2)/2 \\
&:= 3 \times 3^3 \times (3^3+33) \\
&:= (4 \times 4 + 44) \times (4 - 4/4)^4 \\
&:= (5 \times 5 - 5) \times ((5 - (5+5)/5)^5) \\
&:= 6 \times (((66 \times (6+6) + 6) + 6) + 6) \\
&:= ((7+7)/7+7) \times (7 \times 77+7/7) \\
&:= ((8 \times 8 \times (8 \times 8+88)) - 8)/((8+8)/8) \\
&:= (9+9+9) \times (99+9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4861 &:= ((1+1) \times (11 \times ((1+1) \times 111 - 1))) - 1 \\
&:= (22 \times 222) - 22 - 2/2 \\
&:= 3/3 + (3 \times 3^3 \times (3^3+33)) \\
&:= 4/4 + ((4 \times 4 + 44) \times (4 - 4/4)^4) \\
&:= 5^5 + (5555+5^5)/5 \\
&:= 6 \times 6 + (((6+6) \times (6 \times 66+6)) + 6/6) \\
&:= ((77-7)/7) + (7 \times ((7 \times 7 \times (7+7)) + 7)) \\
&:= (8 \times 8 - 8) \times (88 - 8/8) - 88/8 \\
&:= 9/9 + (9+9+9) \times (99+9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4862 &:= (1+1) \times (11 \times ((1+1) \times 111 - 1)) \\
&:= 22 \times (222 - 2/2) \\
&:= 3 + ((3 \times 3^3 \times (3^3+33)) - 3/3) \\
&:= 44/4 \times (444 - (4+4)/4) \\
&:= 5^5 + (((5555+5^5) + 5)/5) \\
&:= (6 \times 66 \times (6+6)) + (666-6)/6 \\
&:= 77/7 + (7 \times ((7 \times 7 \times (7+7)) + 7)) \\
&:= 88 \times (8 \times 8 - 8) - (((8+8)/8) + 8 \times 8) \\
&:= (9+9)/9 + (9+9+9) \times (99+9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4863 &:= 1 + ((1+1) \times (11 \times ((1+1) \times 111 - 1))) \\
&:= 2/2 + (22 \times (222 - 2/2)) \\
&:= 3 + (3 \times 3^3 \times (3^3+33)) \\
&:= 4^4 \times (4 \times 4 + 4) - (4/4 + 4^4) \\
&:= 5^5 + (((5555+5^5) + 5) + 5)/5 \\
&:= 666/6 + (6 \times 66 \times (6+6)) \\
&:= (77+7)/7 + (7 \times ((7 \times 7 \times (7+7)) + 7)) \\
&:= 88 \times (8 \times 8 - 8) - (8/8 + 8 \times 8) \\
&:= ((9+9+9)/9) + (9+9+9) \times (99+9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4864 &:= (1+1) \times (1 + (11 \times ((1+1) \times 111 - 1))) \\
&:= 2 + (22 \times (222 - 2/2)) \\
&:= 3 + ((3 \times 3^3 \times (3^3+33)) + 3/3) \\
&:= 4 \times (4 \times ((44+4^4) + 4)) \\
&:= 5 + (((5 \times 5 - 5) \times ((5 - (5+5)/5)^5)) - 5/5) \\
&:= ((6+6)/6)^6 \times (((6+6)/6)^6 + 6) + 6 \\
&:= ((7+7)/7)^7 \times (7 \times 7 - 77/7) \\
&:= 8 \times ((8 \times 8 \times 8 + 88) + 8) \\
&:= (9/9+9+9) \times (((9+9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4865 &:= 1 + ((1+1) \times (1 + (11 \times ((1+1) \times 111 - 1)))) \\
&:= 2 + ((22 \times (222 - 2/2)) + 2/2) \\
&:= 3 + (((3 \times 3^3 \times (3^3+33)) - 3/3) + 3) \\
&:= 4/4 + (4 \times (4 \times ((44+4^4) + 4))) \\
&:= 5 + ((5 \times 5 - 5) \times ((5 - (5+5)/5)^5)) \\
&:= 6 + (((6+6) \times (6 \times 66+6)) - 6/6) + 6 \times 6 \\
&:= 7 + ((7 \times ((7 \times 7 \times (7+7)) + 7)) + 7) \\
&:= 8/8 + (8 \times ((8 \times 8 \times 8 + 88) + 8)) \\
&:= ((9 \times 9 + 9)/9 + 9) \times (9 \times (99+9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4866 &:= (1+1) \times (1 + (1 + (11 \times ((1+1) \times 111 - 1)))) \\
&:= 2 + ((22 \times (222 - 2/2)) + 2) \\
&:= 3 + ((3 \times 3^3 \times (3^3+33)) + 3) \\
&:= 4 + (44/4 \times (444 - (4+4)/4)) \\
&:= 5 + ((5555+5^5)/5+5^5) \\
&:= 6 + (((6+6) \times (6 \times 66+6)) + 6 \times 6) \\
&:= 7 + (((7 \times ((7 \times 7 \times (7+7)) + 7)) + 7/7) + 7) \\
&:= (8+8)/8 + (8 \times ((8 \times 8 \times 8 + 88) + 8)) \\
&:= (9 - ((9+9+9)/9)) \times (9 \times (9 \times 9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4867 &:= 1 + ((1+1) \times (1 + (1 + (11 \times ((1+1) \times 111 - 1)))))) \\
&:= (22 \times 222) - (2^{2+2} + 2/2) \\
&:= 3 + (((3 \times 3^3 \times (3^3+33)) + 3/3) + 3) \\
&:= 4 + (4^4 \times (4 \times 4 + 4) - (4/4 + 4^4)) \\
&:= 5 + (((5555+5^5) + 5)/5) + 5^5 \\
&:= 6 + (((6+6) \times (6 \times 66+6)) + 6 \times 6) + 6/6 \\
&:= 7 + (((7+7)/7+7) \times (7 \times 77+7/7)) \\
&:= ((8/8+8 \times 8) \times (88/8+8 \times 8)) - 8 \\
&:= 9 + ((9+9+9) \times (99+9 \times 9) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4868 &:= (1+1) \times (1 + (1 + (1 + (11 \times ((1+1) \times 111 - 1)))))) \\
&:= (22 \times 222) - 2^{2+2} \\
&:= (3 \times (3^3 \times (3^3+33) + 3)) - 3/3 \\
&:= 4 + (4 \times (4 \times ((44+4^4) + 4))) \\
&:= (5 \times (((5-5/5)^5 - 55) + 5)) - (5+5)/5 \\
&:= 6 + ((6 \times 66 \times (6+6)) + ((666-6)/6)) \\
&:= 77 + (7 \times 7 \times 7 \times (7+7) - (77/7)) \\
&:= ((8 \times 8 \times (8 \times 8 + 88)) + 8)/((8+8)/8) \\
&:= 9 + ((9+9+9) \times (99+9 \times 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4869 &:= ((1+1) \times ((1+1) \times (11 \times 111 - 1))) - 11 \\
&:= 2/2 + ((22 \times 222) - 2^{2+2}) \\
&:= 3 \times (3^3 \times (3^3+33) + 3) \\
&:= ((4 \times 4 + 4/4)^{4-4/4}) - 44 \\
&:= (5 \times (((5-5/5)^5 - 55) + 5)) - 5/5 \\
&:= 6 + ((6 \times 66 \times (6+6)) + 666/6) \\
&:= 7 + ((7 \times ((7 \times 7 \times (7+7)) + 7)) + (77/7)) \\
&:= 8 + ((8 \times 8 - 8) \times (88 - 8/8) - (88/8)) \\
&:= 9 + (9+9+9) \times (99+9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4870 &:= (11-1) \times (1 + (1 + (1 + ((11+11)^{1+1})))) \\
&:= 2 + ((22 \times 222) - 2^{2+2}) \\
&:= 3/3 + (3 \times (3^3 \times (3^3+33) + 3)) \\
&:= 4 + ((44/4 \times (444 - (4+4)/4)) + 4) \\
&:= 5 \times (((5-5/5)^5 - 55) + 5) \\
&:= 6 + ((6 \times 66 \times (6+6)) + (666+6)/6) \\
&:= 7 + ((7 \times ((7 \times 7 \times (7+7)) + 7)) + (77+7)/7) \\
&:= (8 \times 8 - 8) \times (88 - 8/8) - (8+8)/8 \\
&:= 9 + ((9+9+9) \times (99+9 \times 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4871 &:= (11 \times (((1+1) \times (1+1) \times 111) - 1)) - 1 - 1 \\
&:= (22 \times 222) - (22/2 + 2) \\
&:= 33/3 + (3 \times 3^3 \times (3^3+33)) \\
&:= ((4+4) \times ((4/4+4)^4 - 4 \times 4)) - 4/4 \\
&:= 5/5 + (5 \times (((5-5/5)^5 - 55) + 5)) \\
&:= 6 \times 6 + (((6+6) \times (6 \times 66+6)) + (66/6)) \\
&:= 7 + (((7+7)/7)^7 \times (7 \times 7 - 77/7)) \\
&:= (8 \times 8 - 8) \times (88 - 8/8) - 8/8 \\
&:= 99/9 + (9+9+9) \times (99+9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4872 &:= (11 \times (((1+1) \times (1+1) \times 111) - 1)) - 1 \\
&:= (22 \times 222) - (2 \times (2+2+2)) \\
&:= 3 + (3 \times (3^3 \times (3^3+33) + 3)) \\
&:= (4+4) \times ((4/4+4)^4 - 4 \times 4) \\
&:= (55+5/5) \times (((5+5)/5)^5 + 55) \\
&:= (6+6) \times (((66-6)/6) + 6 \times 66) \\
&:= 77 + (7 \times 7 \times 7 \times (7+7) - 7) \\
&:= (8 \times 8 - 8) \times (88 - 8/8) \\
&:= (9-9/9) \times (9 \times 9 \times 9 - (999/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4873 &:= 11 \times (((1+1) \times (1+1) \times 111) - 1) \\
&:= (22 \times 222) - 22/2 \\
&:= 3 + ((3 \times (3^3 \times (3^3 + 33) + 3)) + 3/3) \\
&:= 44/4 \times (444 - 4/4) \\
&:= 5^5 + (5^5 - (5 \times 5 \times 55 + ((5+5)/5))) \\
&:= 66/6 \times ((6 \times (66+6)) + (66/6)) \\
&:= 7/7 + ((7 \times 7 \times 7 \times (7+7) - 7) + 77) \\
&:= 8/8 + (8 \times 8 - 8) \times (88 - 8/8) \\
&:= 9 + ((9/9 + 9 + 9) \times (((9+9)/9)^{9-9/9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4878 &:= (1+1) \times (((1+1) \times (11 \times 111 - 1)) - 1) \\
&:= (22 \times 222) - 2 - 2 - 2 \\
&:= (3+3) \times ((3^3 \times (3^3 + 3)) + 3) \\
&:= (44 \times 444/4) - ((4+4)/4 + 4) \\
&:= 5 + ((5^5 - (5 \times 5 \times 55 + ((5+5)/5))) + 5^5) \\
&:= 666 + (6 \times (666 + 6 \times 6)) \\
&:= 77 + (7 \times 7 \times 7 \times (7+7) - 7/7) \\
&:= 8 + ((8 \times 8 - 8) \times (88 - 8/8) - ((8+8)/8)) \\
&:= 9 + ((9+9+9) \times (99+9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4883 &:= ((1+1) \times ((1+1) \times 11 \times 111)) - 1 \\
&:= (22 \times 222) - 2/2 \\
&:= 3 + ((33/3 + 3 + 3)^3 - 33) \\
&:= (44 \times 444/4) - 4/4 \\
&:= 5^5 + ((55 \times ((5+5)/5)^5) - ((5+5)/5)) \\
&:= (66 \times (((6+6)/6) + 66) + 6) - 6/6 \\
&:= 7 \times 7 \times 77 + (7777 - 7)/7 \\
&:= 8 + ((8/8 + 8 \times 8) \times (88/8 + 8 \times 8)) \\
&:= ((99 \times 99 + 9/9)/(9+9)/9) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4874 &:= 1 + (11 \times (((1+1) \times (1+1) \times 111) - 1)) \\
&:= ((2 - 22)/2) + (22 \times 222) \\
&:= (33/3 + 3 + 3)^3 - (33 + 3 + 3) \\
&:= 4/4 + (44/4 \times (444 - 4/4)) \\
&:= 5^5 + (5^5 - (5 \times 5 \times 55 + 5/5)) \\
&:= (6 \times 66 \times (6+6)) + ((666 + 66)/6) \\
&:= 7 + (((7+7)/7 + 7) \times (7 \times 77 + 7/7)) + 7) \\
&:= (8+8)/8 + (8 \times 8 - 8) \times (88 - 8/8) \\
&:= 9 + (((9 \times 9 + 9)/(9+9)) \times (9 \times (99+9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4879 &:= ((1+1) \times ((1+1) \times (11 \times 111 - 1))) - 1 \\
&:= (22 \times 222) - 2/2 - 2 - 2 \\
&:= 3/3 + ((3+3) \times ((3^3 \times (3^3 + 3)) + 3)) \\
&:= (44 \times 444/4) - 4/4 - 4 \\
&:= (555/5 \times (55 - (55/5))) - 5 \\
&:= 6 + ((66/6) \times ((6 \times (66+6)) + (66/6))) \\
&:= 77 + 7 \times 7 \times 7 \times (7+7) \\
&:= (8 - 8/8) \times ((8 \times 88 - 8) + 8/8) \\
&:= ((9 - 9/9) \times (((9+9)/9)^9 + 99)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4884 &:= (1+1) \times ((1+1) \times 11 \times 111) \\
&:= 22 \times 222 \\
&:= 3 \times ((33/3)^3 + 3 \times 3 \times 33) \\
&:= 44 \times 444/4 \\
&:= 555/5 \times (55 - (55/5)) \\
&:= 66 \times (((6+6)/6) + 66) + 6) \\
&:= 7 \times 7 \times 77 + 7777/7 \\
&:= 88/8 \times 888/((8+8)/8) \\
&:= 99/9 \times (999 \times (9 - 9/9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4875 &:= 1 + (1 + (11 \times (((1+1) \times (1+1) \times 111) - 1))) \\
&:= 2 + ((22 \times 222) - 22/2) \\
&:= (33 + 3 + 3) \times (3 - 3/3 + 3)^3 \\
&:= (4^4 + 4)/4 \times (44 + 4^4)/4 \\
&:= 5 \times (5 \times (5 \times 5 \times (5+5) - 55)) \\
&:= (6/6 - 66) \times (6 \times 6 - 666/6) \\
&:= 7 + ((7 \times 7 \times 7 \times (7+7) - (77/7)) + 77) \\
&:= (8/8 + 8 \times 8) \times (88/8 + 8 \times 8) \\
&:= 9 + ((9 - ((9+9+9)/9)) \times (9 \times (9 \times 9 + 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4880 &:= (1+1) \times ((1+1) \times (11 \times 111 - 1)) \\
&:= (22 \times 222) - 2 - 2 \\
&:= (33/3 + 3 + 3)^3 - 33 \\
&:= (44 \times 444/4) - 4 \\
&:= 5 + ((5^5 - 5 \times 5 \times 55) + 5^5) \\
&:= ((6+6)/6) \times (6 \times 6 \times 66 + ((6+6)/6)^6) \\
&:= 7/7 + (7 \times 7 \times 7 \times (7+7) + 77) \\
&:= 8 + (8 \times 8 - 8) \times (88 - 8/8) \\
&:= (99/9 + 9) \times (9 \times (9+9+9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4885 &:= 1 + ((1+1) \times ((1+1) \times 11 \times 111)) \\
&:= 2/2 + (22 \times 222) \\
&:= (33/3 + 3 + 3)^3 - (3^3 + 3/3) \\
&:= 4/4 + (44 \times 444/4) \\
&:= 5^5 + (55 \times ((5+5)/5)^5) \\
&:= 6/6 + (66 \times (((6+6)/6) + 66) + 6) \\
&:= 7 + ((7 \times 7 \times 7 \times (7+7) - 7/7) + 77) \\
&:= 8/8 + (88/8 \times 888/((8+8)/8)) \\
&:= (9 \times (99 \times 99 - 9)/(9+9)) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4876 &:= (1+1) \times ((1+1) \times (11 \times 111 - (1+1))) \\
&:= (22 \times 222) - 2 \times (2+2) \\
&:= 3/3 + ((33+3+3) \times (3 - 3/3 + 3)^3) \\
&:= (44 \times 444/4) - 4 - 4 \\
&:= 5^5 + ((5^5 - 5 \times 5 \times 55) + 5/5) \\
&:= 66 \times (6+6) + (((6+6)/6)^{6+6}) - (6+6) \\
&:= 7 + (((7 \times ((7 \times 7 \times (7+7)) + 7)) + (77/7)) + 7) \\
&:= (88/8 \times 888/((8+8)/8)) - 8 \\
&:= 9 + (((9+9+9) \times (99+9 \times 9) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4881 &:= 1 + ((1+1) \times ((1+1) \times (11 \times 111 - 1))) \\
&:= (22 \times 222) - 2/2 - 2 \\
&:= 3 + ((3+3) \times ((3^3 \times (3^3 + 3)) + 3)) \\
&:= 4/4 + ((44 \times 444/4) - 4) \\
&:= 5 + (((5^5 - 5 \times 5 \times 55) + 5^5) + 5/5) \\
&:= 6 + ((6/6 - 66) \times (6 \times 6 - 666/6)) \\
&:= 77 + (7 \times 7 \times 7 \times (7+7) + ((7+7)/7)) \\
&:= 8 + ((8 \times 8 - 8) \times (88 - 8/8) + 8/8) \\
&:= 999/9 + 9 \times (((9+9)/9)^9 + 9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4886 &:= (1+1) \times (1 + ((1+1) \times 11 \times 111)) \\
&:= 2 + (22 \times 222) \\
&:= (33/3 + 3 + 3)^3 - 3^3 \\
&:= (4+4)/4 + (44 \times 444/4) \\
&:= 5^5 + ((55 \times ((5+5)/5)^5) + 5/5) \\
&:= (6+6)/6 + (66 \times (((6+6)/6) + 66) + 6) \\
&:= 7 + (7 \times 7 \times 7 \times (7+7) + 77) \\
&:= (8 - 8/8) \times (((8+8)/8) - 8) + 8 \times 88 \\
&:= (((9+9)/9)^9) + 9 \times (9+9) \times (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4877 &:= 1 + ((1+1) \times ((1+1) \times (11 \times 111 - (1+1)))) \\
&:= 2 + (((22 \times 222) - 22/2) + 2) \\
&:= (33/3 + 3 + 3)^3 - (33 + 3) \\
&:= 4 + (44/4 \times (444 - 4/4)) \\
&:= (5 \times (5 - 5/5)^5) - ((5 - (5+5)/5)^5) \\
&:= ((66/6 + 6)^{6 \times 6/(6+6)}) - 6 \times 6 \\
&:= 77 + (7 \times 7 \times 7 \times (7+7) - ((7+7)/7)) \\
&:= 88 + (8 \times (8 \times 8 \times 8 + 88) - (88/8)) \\
&:= 9 + (((9+9+9) \times (99+9 \times 9) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4882 &:= (1+1) \times (((1+1) \times 11 \times 111) - 1) \\
&:= (22 \times 222) - 2 \\
&:= 3 + (((3+3) \times ((3^3 \times (3^3 + 3)) + 3)) + 3/3) \\
&:= (44 \times 444/4) - (4+4)/4 \\
&:= 5 + ((5 \times (5 - 5/5)^5) - ((5 - (5+5)/5)^5)) \\
&:= 66 \times (6+6) + (((6+6)/6)^{6+6}) - 6) \\
&:= (7 \times (777 - 77)) - (77/7 + 7) \\
&:= 8 + ((8 \times 8 - 8) \times (88 - 8/8) + ((8+8)/8)) \\
&:= ((9 \times 9 - 99/9)^{(9+9)/9}) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4887 &:= 1 + ((1+1) \times (1 + ((1+1) \times 11 \times 111))) \\
&:= 2 + ((22 \times 222) + 2/2) \\
&:= 3 \times ((3 \times 3 + 3)^3 - 3 \times 33) \\
&:= 4 + ((44 \times 444/4) - 4/4) \\
&:= 5^5 + ((55 \times ((5+5)/5)^5) + ((5+5)/5)) \\
&:= 66 \times (6+6) + (((6+6)/6)^{6+6}) - 6/6) \\
&:= 7 + ((7 \times 7 \times 7 \times (7+7) + 77) + 7/7) \\
&:= 8 + ((8 - 8/8) \times ((8 \times 88 - 8) + 8/8)) \\
&:= (9+9+9) \times ((9/9 + 99) + 9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4888 &:= (1+1) \times ((1+1) \times (1+11 \times 111)) \\
&:= 2 + ((22 \times 222) + 2) \\
&:= 3/3 + (3 \times ((3 \times 3 + 3)^3 - 3 \times 33)) \\
&:= 4 + (44 \times 444/4) \\
&:= (5+5)/5 \times (5^5 - ((5^5 + 5)/5 + 55)) \\
&:= 66 \times (6+6) + (((6+6)/6)^{6+6}) \\
&:= (7 \times 7 - (7+7)/7) \times (777/7 - 7) \\
&:= 88 + 8 \times (8 \times 8 \times 8 + 88) \\
&:= (9 - 9/9) \times (((9+9)/9)^9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4889 &:= 1 + ((1+1) \times ((1+1) \times (1+11 \times 111))) \\
&:= 2 + (((22 \times 222) + 2/2) + 2) \\
&:= 3 + ((33/3 + 3 + 3)^3 - 3^3) \\
&:= 4 + ((44 \times 444/4) + 4/4) \\
&:= 5 + (555/5 \times (55 - (55/5))) \\
&:= 66 + (((6+6) \times (6 \times 66 + 6)) - 6/6) \\
&:= (7 \times (777 - 77)) - 77/7 \\
&:= 8/8 + (8 \times (8 \times 8 \times 8 + 88) + 88) \\
&:= 9 + ((99/9 + 9) \times (9 \times (9 + 9 + 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4890 &:= (1+1) \times (1 + ((1+1) \times (1+11 \times 111))) \\
&:= 2 + (((22 \times 222) + 2) + 2) \\
&:= 3 + (3 \times ((3 \times 3 + 3)^3 - 3 \times 33)) \\
&:= 4 + ((44 \times 444/4) + (4+4)/4) \\
&:= 5 + ((55 \times ((5+5)/5)^5 + 5^5) \\
&:= 66 + ((6+6) \times (6 \times 66 + 6)) \\
&:= 77 + (7 \times 7 \times 7 \times (7+7) + (77/7)) \\
&:= 88 + (8 \times (8 \times 8 \times 8 + 88) + ((8+8)/8)) \\
&:= (9 \times (9+9) + 9/9) \times (((99+9)/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4891 &:= 1 + ((1+1) \times (1 + ((1+1) \times (1+11 \times 111)))) \\
&:= 2 + (((22 \times 222) + 2/2) + 2) + 2) \\
&:= (((3/3 + 3)^3) + 3) \times (((3+3)^3 + 3)/3) \\
&:= (44/4 \times (444 + 4/4)) - 4 \\
&:= 5 + (((55 \times ((5+5)/5)^5 + 5^5) + 5/5) \\
&:= (66 + 6/6) \times (66 + 6/6 + 6) \\
&:= 7 + (7777/7 + 7 \times 7 \times 77) \\
&:= 8 + (((8/8 + 8 \times 8) \times (88/8 + 8 \times 8)) + 8) \\
&:= ((9 \times 9 - 99/9)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4892 &:= (1+1) \times ((1+1) \times (1 + (1+11 \times 111))) \\
&:= 2 \times (2+2) + (22 \times 222) \\
&:= 3 + (((33/3 + 3 + 3)^3 - 3^3) + 3) \\
&:= 4 + ((44 \times 444/4) + 4) \\
&:= (5+5)/5 \times (((5-5^5)/5) - 55) + 5^5) \\
&:= 66 + (((6+6) \times (6 \times 66 + 6)) + ((6+6)/6)) \\
&:= (7 \times (777 - 77)) - (7/7 + 7) \\
&:= 8 + (88/8 \times 888 / ((8+8)/8)) \\
&:= ((99 \times 99 + 9/9) / ((9+9)/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4893 &:= 1 + ((1+1) \times ((1+1) \times (1 + (1+11 \times 111)))) \\
&:= 22/2 + ((22 \times 222) - 2) \\
&:= 33 + (3 \times 3^3 \times (3^3 + 33)) \\
&:= 4 + (((44 \times 444/4) + 4/4) + 4) \\
&:= 5 + ((5+5)/5 \times (5^5 - ((5^5 + 5)/5 + 55))) \\
&:= (6/6 + 6) \times (((6 \times 6 / (6+6))^6) - 6 \times 6) + 6) \\
&:= (7 \times (777 - 77)) - 7 \\
&:= (8 - 8/8) \times ((88/8 - (8+8)) + 8 \times 88) \\
&:= 9 + ((99/9) \times (999 \times (9 - 9/9) / (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4894 &:= (11 \times (1 + ((1+1) \times (1+1) \times 111))) - 1 \\
&:= 2 + ((22 \times 222) + 2 \times (2+2)) \\
&:= 3 + (((3/3 + 3)^3) + 3) \times (((3+3)^3 + 3)/3) \\
&:= (44 - 4)/4 + (44 \times 444/4) \\
&:= 5 + ((555/5 \times (55 - (55/5))) + 5) \\
&:= (((6+6)/6)^6 + 6)^{(6+6)/6} - 6 \\
&:= 7/7 + ((7 \times (777 - 77)) - 7) \\
&:= 8 + ((8 - 8/8) \times (((8+8)/8) - 8) + 8 \times 88)) \\
&:= ((99/9) \times ((9+9)/9)^9) - (9 \times 9 \times 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4895 &:= 11 \times (1 + ((1+1) \times (1+1) \times 111)) \\
&:= 22/2 + (22 \times 222) \\
&:= (33/3 + 3 + 3)^3 - (3 \times (3+3)) \\
&:= 44/4 \times (444 + 4/4) \\
&:= 5 \times (((5-5/5)^5 - 55) + 5) + 5) \\
&:= ((6+6) \times (6 \times 66 + 6 + 6)) - 6/6 \\
&:= (7+7)/7 + ((7 \times (777 - 77)) - 7) \\
&:= (8/8 + 88) \times (8 \times 8 - (8/8 + 8)) \\
&:= 99/9 \times ((9 \times 9 \times 99 - 9) / (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4896 &:= 1 + (11 \times (1 + ((1+1) \times (1+1) \times 111))) \\
&:= 2 \times (2^{22/2} + (22 - 2)^2) \\
&:= 3 \times (((3 \times 3 + 3)^3 - 3 \times 33) + 3) \\
&:= 4 + (((44 \times 444/4) + 4) + 4) \\
&:= (5 - 5/5 + 5) \times (555 - (55/5)) \\
&:= (6+6) \times (6 \times 66 + 6 + 6) \\
&:= 7 + ((7 \times (777 - 77)) - (77/7)) \\
&:= 8 + (8 \times (8 \times 8 \times 8 + 88) + 88) \\
&:= 9 \times (99 \times 99 - 9) / (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4897 &:= 1 + (1 + (11 \times (1 + ((1+1) \times (1+1) \times 111)))) \\
&:= 2 + ((22 \times 222) + 22/2) \\
&:= (((((3/3 + 3)^3) + 3) + 3)^{3-3/3}) - 3 \\
&:= ((4 \times 4 + 4/4)^{4-4/4}) - 4 \times 4 \\
&:= 5 + ((5+5)/5 \times (((5-5^5)/5) - 55) + 5^5)) \\
&:= 6/6 + ((6+6) \times (6 \times 66 + 6 + 6)) \\
&:= (7 \times (777 - 77)) - (7+7+7)/7 \\
&:= ((8/8 + 8 + 8)^{88/8-8}) - 8 - 8 \\
&:= 9 + ((9 - 9/9) \times (((9+9)/9)^9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4898 &:= (((11 - 1 - 1)^{1+1} - 11)^{1+1}) - 1 - 1 \\
&:= (((2 \times (22 + 2)) + 22)^2) - 2 \\
&:= 3 + ((33/3 + 3 + 3)^3 - (3 \times (3 + 3))) \\
&:= 4 + ((44 \times 444/4) + (44 - 4)/4) \\
&:= 5^5 + (((5+5)/5)^{55/5}) - 5 \times 55) \\
&:= (6+6)/6 + ((6+6) \times (6 \times 66 + 6 + 6)) \\
&:= (7 \times (777 - 77)) - (7+7)/7 \\
&:= ((8/8 - 88) + 8) \times (((8+8)/8) - 8 \times 8) \\
&:= (9+9)/9 + (9 \times (99 \times 99 - 9) / (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4899 &:= (((11 - 1 - 1)^{1+1} - 11)^{1+1}) - 1 \\
&:= (((2 \times (22 + 2)) + 22)^2) - 2/2 \\
&:= (3 - (3+3)^3) \times ((3/3 - 3^3) + 3) \\
&:= 4 + (44/4 \times (444 + 4/4)) \\
&:= ((5 \times 5 - 5) \times (5 \times 5 \times (5+5) - 5)) - 5/5 \\
&:= 666/6 + (6 \times (66 \times (6+6) + 6)) \\
&:= (7 \times (777 - 77)) - 7/7 \\
&:= 88 + (8 \times (8 \times 8 \times 8 + 88) + (88/8)) \\
&:= ((9 \times 9 - 99/9)^{(9+9)/9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4900 &:= ((11 - 1 - 1)^{1+1} - 11)^{1+1} \\
&:= ((2 \times (22 + 2)) + 22)^2 \\
&:= (((3/3 + 3)^3) + 3) + 3)^{3-3/3} \\
&:= 4 \times 4 + (44 \times 444/4) \\
&:= (5 \times 5 - 5) \times (5 \times 5 \times (5+5) - 5) \\
&:= (((6+6)/6)^6 + 6)^{(6+6)/6} \\
&:= 7 \times (777 - 77) \\
&:= ((8 \times 8 - ((8+8)/8)) + 8)^{(8+8)/8} \\
&:= (9 \times 9 - 99/9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4901 &:= 1 + (((11 - 1 - 1)^{1+1} - 11)^{1+1}) \\
&:= 2/2 + (((2 \times (22 + 2)) + 22)^2) \\
&:= (33/3 + 3 + 3)^3 - (3 \times 3 + 3) \\
&:= 4 + (((4 \times 4 + 4/4)^{4-4/4}) - 4 \times 4) \\
&:= 5^5 + ((55/5 + 5) \times 555/5) \\
&:= 6 + (((6+6) \times (6 \times 66 + 6 + 6)) - 6/6) \\
&:= 7/7 + (7 \times (777 - 77)) \\
&:= 88 \times (8 \times 8 - 8) - (88/8 + 8 + 8) \\
&:= (99 \times 99 + 9/9) / ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4902 &:= 1 + (1 + (((11 - 1 - 1)^{1+1} - 11)^{1+1})) \\
&:= 2 + (((2 \times (22 + 2)) + 22)^2) \\
&:= (33/3 + 3 + 3)^3 - 33/3 \\
&:= (44 - 4/4) \times ((444 - 4)/4 + 4) \\
&:= 5^5 + ((555 \times (55/5 + 5) + 5)/5) \\
&:= 6 + ((6+6) \times (6 \times 66 + 6 + 6)) \\
&:= (7+7)/7 + (7 \times (777 - 77)) \\
&:= ((8/8 - 8) + 8 \times 8) \times (88 - ((8+8)/8)) \\
&:= 9/9 + ((99 \times 99 + 9/9) / ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4903 &:= ((1+1) \times ((11 \times (1+(1+1) \times 111)) - 1)) - 1 \\
&:= 2 + (((2 \times (22+2)) + 22)^2) / 2/2 \\
&:= 3 + (((3/3+3)^3 + 3) + 3)^{3-3/3} \\
&:= 4 + ((44/4 \times (444+4/4)) + 4) \\
&:= 5555 - ((5^5 + 5+5)/5 + 5 \times 5) \\
&:= 6 + (((6+6) \times (6 \times 66+6+6)) + 6/6) \\
&:= (7+7+7)/7 + (7 \times (777-77)) \\
&:= 8 + ((8/8+88) \times (8 \times 8 - (8/8+8))) \\
&:= ((99/9) \times ((9+9)/9)^9) - 9 \times 9 \times 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4904 &:= (1+1) \times ((11 \times (1+(1+1) \times 111)) - 1) \\
&:= 22 + (22 \times 222) - 2 \\
&:= (33/3+3+3)^3 - 3 \times 3 \\
&:= 4 + ((44 \times 444/4) + 4 \times 4) \\
&:= 5555 - ((5^5 + 5)/5 + 5 \times 5) \\
&:= 6 + (((6+6) \times (6 \times 66+6+6)) + ((6+6)/6)) \\
&:= 77/7 + ((7 \times (777-77)) - 7) \\
&:= 88 \times (8 \times 8 - 8) - 8 - 8 - 8 \\
&:= (((9-9/9) + 9)^{(9+9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4905 &:= ((1+1) \times (11 \times (1+(1+1) \times 111))) - 1 \\
&:= 22 + (22 \times 222) - 2/2 \\
&:= 3 \times (3 \times (((3-3/3)^{3 \times 3} + 33)) \\
&:= ((4 \times 4 + 4/4)^{4-4/4}) - 4 - 4 \\
&:= 5 + ((5 \times 5 - 5) \times (5 \times 5 \times (5+5) - 5)) \\
&:= 6 + ((6 \times (66 \times (6+6) + 6)) + 666/6) \\
&:= 7 + ((7 \times (777-77)) - ((7+7)/7)) \\
&:= ((8/8+8+8)^{88/8-8}) - 8 \\
&:= 9 \times ((99 \times 99 + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4906 &:= (1+1) \times (11 \times (1+(1+1) \times 111)) \\
&:= 22 + (22 \times 222) \\
&:= (3^3 \times (3^3 + 3)) + (3/3+3)^{3+3} \\
&:= 44/4 \times (444 + (4+4)/4) \\
&:= 5555 + (((5-5^5)/5) - 5 \times 5) \\
&:= 6 + (((6+6)/6)^6 + 6)^{(6+6)/6} \\
&:= 7 + ((7 \times (777-77)) - 7/7) \\
&:= 88/8 \times (8 \times (8 \times 8 - 8) - ((8+8)/8)) \\
&:= 9/9 + (9 \times ((99 \times 99 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4907 &:= 1 + ((1+1) \times (11 \times (1+(1+1) \times 111))) \\
&:= 22 + (22 \times 222) + 2/2 \\
&:= (33/3+3+3)^3 - 3 - 3 \\
&:= 4 + (((44/4 \times (444+4/4)) + 4) + 4) \\
&:= 5555 + (((5-5^5) + 5)/5) - 5 \times 5 \\
&:= ((66/6+6)^{6 \times 6/(6+6)}) - 6 \\
&:= 7 + (7 \times (777-77)) \\
&:= (8-8/8) \times ((8 \times 88 - (88/8)) + 8) \\
&:= (9+9)/9 + (9 \times ((99 \times 99 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4908 &:= (1+1) \times (1 + (11 \times (1+(1+1) \times 111))) \\
&:= 2 + ((22 \times 222) + 22) \\
&:= (3^3 \times ((3+3)^3 - 33)) - 33 \\
&:= 44 + (4 \times (4 \times ((44+4^4) + 4))) \\
&:= (((55+5)/5) + 5)^{5-(5+5)/5} - 5 \\
&:= 6 + (((6+6) \times (6 \times 66+6+6)) + 6) \\
&:= 7 + ((7 \times (777-77)) + 7/7) \\
&:= 8 + (((8 \times 8 - ((8+8)/8)) + 8)^{(8+8)/8}) \\
&:= 9 + (((9 \times 9 - 99/9)^{(9+9)/9}) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4909 &:= 1 + ((1+1) \times (1 + (11 \times (1+(1+1) \times 111)))) \\
&:= 2 + (((22 \times 222) + 22) + 2/2) \\
&:= (33/3+3+3)^3 - (3/3+3) \\
&:= ((4 \times 4 + 4/4)^{4-4/4}) - 4 \\
&:= 5 + (5555 - ((5^5 + 5)/5 + 5 \times 5)) \\
&:= 6 + (((6+6) \times (6 \times 66+6+6)) + 6/6) + 6 \\
&:= 7 + ((7 \times (777-77)) + ((7+7)/7)) \\
&:= 88 \times (8 \times 8 - 8) - (88/8+8) \\
&:= 9 + ((9 \times 9 - 99/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4910 &:= (1+1) \times (1 + (1 + (11 \times (1+(1+1) \times 111)))) \\
&:= 2 + (((22 \times 222) + 22) + 2) \\
&:= (33/3+3+3)^3 - 3 \\
&:= 4 + (44/4 \times (444 + (4+4)/4)) \\
&:= 5 + (((5 \times 5 - 5) \times (5 \times 5 \times (5+5) - 5)) + 5) \\
&:= 6 + (((6+6) \times (6 \times 66+6+6)) + ((6+6)/6)) + 6 \\
&:= ((77-7)/7) + (7 \times (777-77)) \\
&:= (8-88)/8 + (88 \times (8 \times 8 - 8) - 8) \\
&:= 9 + ((99 \times 99 + 9/9)/(9+9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4911 &:= 11 + (((11-1-1)^{1+1} - 11)^{1+1}) \\
&:= ((2^{2+2} + 2/2)^{2/2+2}) - 2 \\
&:= 3/3 + ((33/3+3+3)^3 - 3) \\
&:= 4 \times 4 + (44/4 \times (444+4/4)) \\
&:= 5 + (((5-5^5)/5) - 5 \times 5) + 5555 \\
&:= 666 + (66 \times 66 - 666/6) \\
&:= 77/7 + (7 \times (777-77)) \\
&:= 88 \times (8 \times 8 - 8) - (8/8+8+8) \\
&:= 99/9 + ((9 \times 9 - 99/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4912 &:= ((1+(1+1)^{1+1+1+1})^{1+1+1}) - 1 \\
&:= (22 \times (222+2)) - 2^{2+2} \\
&:= (33/3+3+3)^3 - 3/3 \\
&:= 4 \times (44 \times (44-4 \times 4) - 4) \\
&:= (55/5+5) \times (5^5 - 55)/(5+5) \\
&:= 6 + (((6+6)/6)^6 + 6)^{(6+6)/6} + 6 \\
&:= (77+7)/7 + (7 \times (777-77)) \\
&:= 88 \times (8 \times 8 - 8) - 8 - 8 \\
&:= (((9-9/9) + 9)^{(9+9+9)/9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4913 &:= (1 + (1+1)^{1+1+1+1})^{1+1+1} \\
&:= (2^{2+2} + 2/2)^{2/2+2} \\
&:= ((33/3+3+3)^3)^3 \\
&:= (4 \times 4 + 4/4)^{4-4/4} \\
&:= (((55+5)/5) + 5)^{5-(5+5)/5} \\
&:= (66/6+6)^{6 \times 6/(6+6)} \\
&:= 777/7 + 7 \times 7 \times 7 \times (7+7) \\
&:= (8/8+8+8)^{88/8-8} \\
&:= ((9-9/9) + 9)^{(9+9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4914 &:= 1 + ((1+(1+1)^{1+1+1+1})^{1+1+1}) \\
&:= 2 + ((22 \times (222+2)) - 2^{2+2}) \\
&:= 3/3 + (33/3+3+3)^3 \\
&:= 4/4 + ((4 \times 4 + 4/4)^{4-4/4}) \\
&:= 5555 - (((55+5^5)/5) + 5) \\
&:= (6/6+6) \times (666+6 \times 6) \\
&:= 7 + ((7 \times (777-77)) + 7) \\
&:= (8-8/8) \times (8 \times 88 - ((8+8)/8)) \\
&:= 9 + (9 \times ((99 \times 99 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4915 &:= 1 + (1 + ((1+(1+1)^{1+1+1+1})^{1+1+1})) \\
&:= 2 + ((2^{2+2} + 2/2)^{2/2+2}) \\
&:= 3 + ((33/3+3+3)^3 - 3/3) \\
&:= (4+4)/4 + ((4 \times 4 + 4/4)^{4-4/4}) \\
&:= 55 + ((5 \times 5 - 5) \times ((5 - (5+5)/5)^5)) \\
&:= 6/6 + ((6/6+6) \times (666+6 \times 6)) \\
&:= 7 + (((7 \times (777-77)) + 7/7) + 7) \\
&:= 88 \times (8 \times 8 - 8) - (88+8+8)/8 \\
&:= 9 + ((9 \times ((99 \times 99 + 9)/(9+9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4916 &:= (11 \times (1 + ((1+1) \times (1 + (1+1) \times 111)))) - 1 \\
&:= (2 \times 2^{2+2}) + (22 \times 222) \\
&:= 3 + (33/3+3+3)^3 \\
&:= 4 + (4 \times (44 \times (44-4 \times 4) - 4)) \\
&:= 55 + ((5555+5^5)/5 + 5^5) \\
&:= (6+6)/6 + ((6/6+6) \times (666+6 \times 6)) \\
&:= 7 + (((7 \times (777-77)) + ((7+7)/7)) + 7) \\
&:= 88 \times (8 \times 8 - 8) - (88+8)/8 \\
&:= 99/9 + (9 \times ((99 \times 99 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4917 &:= 11 \times (1 + ((1+1) \times (1 + (1+1) \times 111))) \\
&:= (22 \times (222+2)) - 22/2 \\
&:= 3 + ((33/3+3+3)^3 + 3/3) \\
&:= 4 + ((4 \times 4 + 4/4)^{4-4/4}) \\
&:= 5^5 + (((5+5)/5)^5 \times (55+5/5)) \\
&:= 6 + (((6+6)/6)^6 + 6)^{(6+6)/6} + (66/6) \\
&:= 7 + ((7 \times (777-77)) + ((77-7)/7)) \\
&:= 88 \times (8 \times 8 - 8) - 88/8 \\
&:= 9 + (((9 \times 9 - 99/9)^{(9+9)/9}) - 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4918 &:= 1 + (11 \times (1 + ((1 + 1) \times (1 + (1 + 1) \times 111)))) \\
&:= 2 + ((22 \times 222) + 2 \times 2^{2+2}) \\
&:= 3 + (((33/3 + 3 + 3)^3 - 3/3) + 3) \\
&:= 4 + (((4 \times 4 + 4/4)^{4-4/4}) + 4/4) \\
&:= 5 + (((55 + 5)/5) + 5)^{5-(5+5)/5} \\
&:= 6 + (((((6 + 6)/6)^6 + 6)^{(6+6)/6}) + 6) + 6) \\
&:= 7 + ((7 \times (777 - 77)) + (77/7)) \\
&:= (8 - 88)/8 + 88 \times (8 \times 8 - 8) \\
&:= 9 + (((9 \times 9 - 99/9)^{(9+9)/9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4923 &:= ((1 + 1 + 1) \times (1 + 1)^{11}) - 11 \times 111 \\
&:= (22 \times (222 + 2)) - 2/2 - 2 - 2 \\
&:= 3 + ((3^3 - 3) \times ((3 + 3)^3 - 33/3)) \\
&:= (4 \times 44 \times (44 - 4 \times 4)) - 4/4 - 4 \\
&:= 5555 - ((5^5 + 5 + 5)/5 + 5) \\
&:= 66 + (((6 \times 66 \times (6 + 6)) - 6) + 666/6) \\
&:= ((7 + 7)/7)^7 + (7 \times 7 \times 7 \times (7 + 7) - 7) \\
&:= 88/8 + (88 \times (8 \times 8 - 8) - (8 + 8)) \\
&:= 9 \times (((9999 + 9)/(9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4928 &:= (1 + 1) \times ((1 + 1) \times (11 \times (1 + 111))) \\
&:= 22 \times (222 + 2) \\
&:= 3 + (((33/3 + 3 + 3)^3 + 3 \times 3) + 3) \\
&:= 4 \times 44 \times (44 - 4 \times 4) \\
&:= 5555 - (5^5 + 5 + 5)/5 \\
&:= ((6 + 6)/6)^6 \times (66/6 + 66) \\
&:= 77 + (7 \times ((7 \times 7 \times (7 + 7)) + 7)) \\
&:= 88 \times (8 \times 8 - 8) \\
&:= (99 - (99/9)) \times ((999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4919 &:= 1 + (1 + (11 \times (1 + ((1 + 1) \times (1 + (1 + 1) \times 111)))) \\
&:= 2 + ((22 \times (222 + 2)) - 22/2) \\
&:= 3 + ((33/3 + 3 + 3)^3 + 3) \\
&:= ((4 + 4) \times (4/4 + 4)^4) - (4 - 4/4)^4 \\
&:= 5555 - ((55 + 5^5)/5) \\
&:= 6 + (((66/6 + 6)^{6 \times 6/(6+6)}) \\
&:= 7 + ((7 \times (777 - 77)) + (77 + 7)/7) \\
&:= 88 \times (8 \times 8 - 8) - (8/8 + 8) \\
&:= 9 + (((99 \times 99 + 9/9)/(9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4924 &:= (1 + 1) \times ((1 + 1) \times ((11 \times (1 + 111)) - 1)) \\
&:= (22 \times (222 + 2)) - 2 - 2 \\
&:= 33/3 + (33/3 + 3 + 3)^3 \\
&:= (4 \times 44 \times (44 - 4 \times 4)) - 4 \\
&:= 5555 - ((5^5 + 5)/5 + 5) \\
&:= 6 \times 6 + (((6 + 6)/6)^{6+6}) + 66 \times (6 + 6) \\
&:= 7 \times 7 \times 7 \times (7 + 7) + (777 + 77)/7 \\
&:= 88 \times (8 \times 8 - 8) - (8/(8 + 8)/8) \\
&:= 9/9 + (9 \times (((9999 + 9)/(9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4929 &:= 1 + ((1 + 1) \times ((1 + 1) \times (11 \times (1 + 111)))) \\
&:= 2/2 + (22 \times (222 + 2)) \\
&:= ((3^3 + 3/3) + 3) \times ((3 + 3) \times 3^3 - 3) \\
&:= 4 \times 4 + ((4 \times 4 + 4/4)^{4-4/4}) \\
&:= 5555 - (5^5 + 5)/5 \\
&:= 66 + ((6 \times 66 \times (6 + 6)) + 666/6) \\
&:= 7/7 + ((7 \times ((7 \times 7 \times (7 + 7)) + 7)) + 77) \\
&:= 8/8 + 88 \times (8 \times 8 - 8) \\
&:= 9 \times (9 \times (9 \times 9 - 9) - 99) - (99 + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4920 &:= (1 + 1) \times ((1 + 1) \times ((11 \times (1 + 111)) - (1 + 1))) \\
&:= 2 \times ((22 - 2) \times ((22/2)^2 + 2)) \\
&:= (3^3 - 3) \times ((3 + 3)^3 - 33/3) \\
&:= (4/4 + 4) \times ((4 \times 4^4 - 44) + 4) \\
&:= 5^5 + ((5 \times 5 + 5) \times (55 + 5) - 5) \\
&:= 6 + ((6/6 + 6) \times (666 + 6 \times 6)) \\
&:= 7 + (7 \times 7 \times 7 \times (7 + 7) + 777/7) \\
&:= 88 \times (8 \times 8 - 8) - 8 \\
&:= (9/9 + 9) \times (((9 + 9)/9)^9) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4925 &:= 1 + ((1 + 1) \times ((1 + 1) \times ((11 \times (1 + 111)) - 1))) \\
&:= (22 \times (222 + 2)) - 2/2 - 2 \\
&:= 3 + ((33/3 + 3 + 3)^3 + 3 \times 3) \\
&:= 4 + (((4 \times 4 + 4/4)^{4-4/4}) + 4) + 4) \\
&:= 5^5 + (5 \times 5 + 5) \times (55 + 5) \\
&:= 6 + (((66/6 + 6)^{6 \times 6/(6+6)}) + 6) \\
&:= 7 + (((7 \times (777 - 77)) + (77/7)) + 7) \\
&:= 8 + (88 \times (8 \times 8 - 8) - (88/8)) \\
&:= 9 + ((9 \times ((99 \times 99 + 9)/(9 + 9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4930 &:= (1 + 1) \times (1 + ((1 + 1) \times (11 \times (1 + 111)))) \\
&:= 2 + (22 \times (222 + 2)) \\
&:= (3^3 \times ((3 + 3)^3 - 33)) - 33/3 \\
&:= (4 + 4)/4 + (4 \times 44 \times (44 - 4 \times 4)) \\
&:= 5555 - 5^5/5 \\
&:= 6 \times 6 + (((6 + 6)/6)^6 + 6)^{(6+6)/6} - 6) \\
&:= ((7 + 7)/7)^7 + 7 \times 7 \times 7 \times (7 + 7) \\
&:= (8 + 8)/8 + 88 \times (8 \times 8 - 8) \\
&:= 9 \times (9 \times (9 \times 9 - 9) - 99) - 99/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4921 &:= (1 + (11 \times (1 + 11))) \times (111/(1 + 1 + 1)) \\
&:= 2 + (((22 \times (222 + 2)) - 22/2) + 2) \\
&:= 3 \times 3 + ((33/3 + 3 + 3)^3 - 3/3) \\
&:= 4 + (((4 \times 4 + 4/4)^{4-4/4}) + 4) \\
&:= 5 \times 55 + ((5/5 + 5)^5 - (5^5 + 5)) \\
&:= (6/6 + 6) \times ((666 + 6/6) + 6 \times 6) \\
&:= 7 + (((7 \times (777 - 77)) + 7) + 7) \\
&:= 8/8 + (88 \times (8 \times 8 - 8) - 8) \\
&:= 9 + (((9 - 9/9) + 9)^{(9+9+9)/9}) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4926 &:= (1 + 1) \times (((1 + 1) \times (11 \times (1 + 111))) - 1) \\
&:= (22 \times (222 + 2)) - 2 \\
&:= (3 + 3) \times ((3^3 \times (3^3 + 3)) + 33/3) \\
&:= (4 \times 44 \times (44 - 4 \times 4)) - (4 + 4)/4 \\
&:= 5 \times 55 + ((5/5 + 5)^5 - 5^5) \\
&:= (6 \times ((66 \times (6 + 6) - 6) + 6 \times 6)) - 6 \\
&:= 77 + ((7 \times ((7 \times 7 \times (7 + 7)) + 7)) - ((7 + 7)/7)) \\
&:= 88 \times (8 \times 8 - 8) - (8 + 8)/8 \\
&:= (9 - ((9 + 9 + 9)/9)) \times (9 \times (9 \times 9 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4931 &:= 1 + ((1 + 1) \times (1 + ((1 + 1) \times (11 \times (1 + 111)))) \\
&:= 2 + ((22 \times (222 + 2)) + 2/2) \\
&:= (3 \times (3 + 3)) + (33/3 + 3 + 3)^3 \\
&:= 4 + ((4 \times 44 \times (44 - 4 \times 4)) - 4/4) \\
&:= 5555 + ((5 - 5^5)/5) \\
&:= (6 \times ((66 \times (6 + 6) - 6) + 6 \times 6)) - 6/6 \\
&:= 7 \times 7 \times (7 \times 7 + 7) + ((7 + 7 + 7)/7)^7 \\
&:= 88/8 + (88 \times (8 \times 8 - 8) - 8) \\
&:= 9 + (((9 - 9/9) + 9)^{(9+9+9)/9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4922 &:= (1 + 1) \times (((1 + 1) \times ((11 \times (1 + 111)) - 1)) - 1) \\
&:= 22 + (((2 \times (22 + 2)) + 22)^2) \\
&:= 3 \times 3 + (33/3 + 3 + 3)^3 \\
&:= (444/4 - 4) \times ((4 + 4)/4 + 44) \\
&:= 5 + (((5 + 5)/5)^5 \times (55 + 5/5)) + 5^5) \\
&:= (((6 + 6)/6)^6 \times (66/6 + 66)) - 6 \\
&:= 7 + (((7 \times (777 - 77)) + 7/7) + 7) + 7) \\
&:= (8 + 8)/8 + (88 \times (8 \times 8 - 8) - 8) \\
&:= 9 + (((9 - 9/9) + 9)^{(9+9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4927 &:= ((1 + 1) \times ((1 + 1) \times (11 \times (1 + 111)))) - 1 \\
&:= (22 \times (222 + 2)) - 2/2 \\
&:= 3 + ((33/3 + 3 + 3)^3 + 33/3) \\
&:= (4 \times 44 \times (44 - 4 \times 4)) - 4/4 \\
&:= 5555 + (((5 - 5^5) + 5)/5) - 5) \\
&:= 6 + ((6/6 + 6) \times ((666 + 6/6) + 6 \times 6)) \\
&:= 77 + ((7 \times ((7 \times 7 \times (7 + 7)) + 7)) - 7/7) \\
&:= 88 \times (8 \times 8 - 8) - 8/8 \\
&:= 9 + (((9 \times 9 - 99/9)^{(9+9)/9}) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4932 &:= (1 + 1) \times ((1 + 1) \times (1 + (11 \times (1 + 111)))) \\
&:= 2 + ((22 \times (222 + 2)) + 2) \\
&:= 3 \times ((3 \times 3 + 3)^3 - (3 \times 3^3 + 3)) \\
&:= 4 + (4 \times 44 \times (44 - 4 \times 4)) \\
&:= 5555 + (((5 - 5^5) + 5)/5) \\
&:= 6 \times ((66 \times (6 + 6) - 6) + 6 \times 6) \\
&:= ((7 + 7)/7 + 7) \times ((7 \times 77 + ((7 + 7)/7)) + 7) \\
&:= (8/(8 + 8)/8) + 88 \times (8 \times 8 - 8) \\
&:= 9 \times (9 \times (9 \times 9 - 9) - 99) - 9
\end{aligned}$$

- ▶ 4933 := $1 + ((1 + 1) \times ((1 + 1) \times (1 + (11 \times (1 + 111))))))$
:= $2 + (((22 \times (222 + 2)) + 2/2) + 2)$
:= $3 + ((3^3 \times ((3 + 3)^3 - 33)) - 33/3)$
:= $4 + ((4 \times 44 \times (44 - 4 \times 4)) + 4/4)$
:= $5 + (5555 - (5^5 + 5 + 5)/5)$
:= $6/6 + (6 \times ((66 \times (6 + 6) - 6) + 6 \times 6))$
:= $7777/7 + (7 \times (7 \times 77 + 7))$
:= $8 + ((88 \times (8 \times 8 - 8) - (88/8)) + 8)$
:= $9/9 + (9 \times (9 \times (9 \times 9 - 9) - 99) - 9)$
- ▶ 4934 := $(1 + 1) \times (1 + ((1 + 1) \times (1 + (11 \times (1 + 111))))))$
:= $2 + (((22 \times (222 + 2)) + 2) + 2)$
:= $3 + ((33/3 + 3 + 3)^3 + (3 \times (3 + 3)))$
:= $4 + ((4 \times 44 \times (44 - 4 \times 4)) + (4 + 4)/4)$
:= $5 + (5555 - (5^5 + 5)/5)$
:= $6 + (((6 + 6)/6)^6 \times (66/6 + 66))$
:= $7 + (((7 \times ((7 \times 7 \times (7 + 7)) + 7)) - 7/7) + 77)$
:= $8 + (88 \times (8 \times 8 - 8) - ((8 + 8)/8))$
:= $(9 + 9)/9 + (9 \times (9 \times (9 \times 9 - 9) - 99) - 9)$
- ▶ 4935 := $1 + ((1 + 1) \times (1 + ((1 + 1) \times (1 + (11 \times (1 + 111))))))$ ▶ 4936 := $(1 + 1) \times ((1 + 1) \times (1 + (11 \times (1 + 111))))$
:= $22 + ((2^{2+2} + 2/2)^{2/2+2})$
:= $(3^3 \times ((3 + 3)^3 - 33)) - 3 - 3$
:= $((4 - 4/4) + 4) \times 4 \times 4 \times 44 + 4/4$
:= $5 + (5555 - 5^5/5)$
:= $666/6 + ((6 + 6) \times (6 \times 66 + 6))$
:= $7 + ((7 \times ((7 \times 7 \times (7 + 7)) + 7)) + 77)$
:= $8 + (88 \times (8 \times 8 - 8) - 8/8)$
:= $((9 - 9/9) \times (9 \times 9 \times 9 - 999/9)) - 9$
- ▶ 4937 := $1 + ((1 + 1) \times ((1 + 1) \times (1 + (11 \times (1 + 111))))))$ ▶ 4938 := $(11 \times (1 + ((1 + 1) \times ((1 + 1) \times (1 + 111)))))) - 1$
:= $22/2 + ((22 \times (222 + 2)) - 2)$
:= $3^3 + ((33/3 + 3 + 3)^3 - 3)$
:= $4/4 + ((4 + 4) \times ((4/4 + 4)^4 - (4 + 4)))$
:= $5 + (((5 - 5^5) + 5)/5) + 5555$
:= $6 + ((6 \times ((66 \times (6 + 6) - 6) + 6 \times 6)) - 6/6)$
:= $7 + (7 \times 7 \times 7 \times (7 + 7) + ((7 + 7)/7)^7)$
:= $8 + (88 \times (8 \times 8 - 8) + 8/8)$
:= $9 + ((99 - 99/9) \times ((999 + 9)/9 + 9))$
- ▶ 4939 := $11 \times (1 + ((1 + 1) \times ((1 + 1) \times (1 + 111))))$
:= $22/2 + (22 \times (222 + 2))$
:= $3^3 + ((33/3 + 3 + 3)^3 - 3/3)$
:= $44/4 \times ((444 + 4/4) + 4)$
:= $5 + ((5555 - (5^5 + 5)/5) + 5)$
:= $6 + ((6 \times ((66 \times (6 + 6) - 6) + 6 \times 6)) + 6/6)$
:= $77 + ((7 \times ((7 \times 7 \times (7 + 7)) + 7)) + (77/7))$
:= $88/8 + 88 \times (8 \times 8 - 8)$
:= $9 \times (9 \times (9 \times 9 - 9) - 99) - (9 + 9)/9$
- ▶ 4940 := $1 + (11 \times (1 + ((1 + 1) \times ((1 + 1) \times (1 + 111))))))$
:= $(22 - 2) \times (((22^2 + 2)/2 + 2) + 2)$
:= $3^3 + (33/3 + 3 + 3)^3$
:= $(4^4 + 4) \times ((44/4 + 4) + 4)$
:= $5 + ((5555 - 5^5/5) + 5)$
:= $(6/6 - 66) \times (((6 - 66)/6) - 66)$
:= $(7/7 - 77) \times ((77 + 7)/7 - 77)$
:= $((88 + 8)/8) + 88 \times (8 \times 8 - 8)$
:= $(9/9 + 9) \times (((9 + 9)/9)^9) - (9 + 9)$
- ▶ 4941 := $1 + (1 + (11 \times (1 + ((1 + 1) \times ((1 + 1) \times (1 + 111))))))$ ▶ 4942 := $1 + (1 + (1 + (11 \times (1 + ((1 + 1) \times ((1 + 1) \times (1 + 111)))))) - 1) - 1$
:= $2 + ((22 \times (222 + 2)) + 22/2)$
:= $3^3 \times ((3 + 3)^3 - 33)$
:= $(4 - 4/4)^4 \times ((4^4 + 4)/4 - 4)$
:= $5555 + ((55 - 5^5)/5)$
:= $6 + (((6 + 6) \times (6 \times 66 + 6)) + 666/6)$
:= $(7 \times ((777 - 77) + 7)) - (7/7 + 7)$
:= $88 \times (8 \times 8 - 8) + (88 + 8 + 8)/8$
:= $9 \times (9 \times (9 \times 9 - 9) - 99)$
- ▶ 4943 := $11 + ((1 + 1) \times ((1 + 1) \times (1 + (11 \times (1 + 111))))))$
:= $2 + (((22 \times (222 + 2)) + 22/2) + 2)$
:= $3 + ((33/3 + 3 + 3)^3 + 3^3)$
:= $4 + (44/4 \times ((444 + 4/4) + 4))$
:= $5555 + (((55 - 5^5) + 5) + 5)/5$
:= $6 \times 6 + (((66/6 + 6)^{6 \times 6/(6+6)} - 6))$
:= $7/7 + ((7 \times ((777 - 77) + 7)) - 7)$
:= $8 + ((88 \times (8 \times 8 - 8) - 8/8) + 8)$
:= $(9 + 9)/9 + 9 \times (9 \times (9 \times 9 - 9) - 99)$
- ▶ 4944 := $(1 + 11) \times (1 + (11 + ((1 + 1) \times (11 - 1))^{1+1}))$
:= $2^{2+2} + (22 \times (222 + 2))$
:= $3 + (3^3 \times ((3 + 3)^3 - 33))$
:= $4 \times (44 \times (44 - 4 \times 4) + 4)$
:= $(5/5 + 5) \times (55 \times (5 + 5 + 5) - 5/5)$
:= $(66 \times (666/6 - 6 \times 6)) - 6$
:= $(7 \times 7 - 7/7) \times ((777 - 7)/7 - 7)$
:= $8 + (88 \times (8 \times 8 - 8) + 8)$
:= $(9 - 9/9) \times (9 \times 9 \times 9 - 999/9)$
- ▶ 4945 := $(11111 - 11 \times 111)/(1 + 1)$
:= $2/2 + ((22 \times (222 + 2)) + 2^{2+2})$
:= $3 + ((3^3 \times ((3 + 3)^3 - 33)) + 3/3)$
:= $(44 - 4/4) \times (444/4 + 4)$
:= $5 \times ((5 - 5/5)^5 - ((5 \times 5 + 5) + 5))$
:= $((66/6 + 6) + 6) \times (6 \times 6 \times 6 - 6/6)$
:= $7 + ((7 \times ((777 - 77) + 7)) - (77/7))$
:= $8 + ((88 \times (8 \times 8 - 8) + 8/8) + 8)$
:= $((9 \times 9 + 9)/(9 + 9)) \times (999 - (9/9 + 9))$
- ▶ 4946 := $1 + ((11111 - 11 \times 111)/(1 + 1))$
:= $2 + ((22 \times (222 + 2)) + 2^{2+2})$
:= $33 + (33/3 + 3 + 3)^3$
:= $((44 + 4/4) \times (444 - 4)/4 - 4)$
:= $5 + (((55 - 5^5)/5) + 5555)$
:= $6 + ((6/6 - 66) \times (((6 - 66)/6) - 66))$
:= $(7 \times ((777 - 77) + 7)) - (7 + 7 + 7)/7$
:= $8 + ((88 \times (8 \times 8 - 8) + (8 + 8)/8) + 8)$
:= $((9 \times 9 + 9)/(9 + 9)) + 9 \times (9 \times (9 \times 9 - 9) - 99)$
- ▶ 4947 := $((1 + 1) \times ((11 \times (1 + ((1 + 1) \times (1 + 111)))) - 1)) - 1$
:= $22 + ((22 \times (222 + 2)) - (2/2 + 2))$
:= $3 + ((3^3 \times ((3 + 3)^3 - 33)) + 3)$
:= $(4 - 4/4) \times ((4/4 + 4)^4 + 4 \times 4^4)$
:= $5 + (((55 - 5^5) + 5)/5) + 5555$
:= $((66 \times ((6 + 6) \times (6 + 6) + 6)) - 6)/((6 + 6)/6)$
:= $((7 + 7)/7 + 7 \times 7) \times (7 \times (7 + 7) - 7/7)$
:= $8 + (88 \times (8 \times 8 - 8) + (88/8))$
:= $((99 + 9)/9 \times (((9 + 9)/9)^9) - 99) - 9$

- 4948 := $(1+1) \times ((11 \times (1 + ((1+1) \times (1+111)))) - 1)$
:= $22 + ((22 \times (222+2)) - 2)$
:= $3 + (((3^3 \times ((3+3)^3 - 33)) + 3/3) + 3)$
:= $4 + (4 \times (4^4 - 44) + (4+4)^4)$
:= $(5+5)/5 \times (5^5 - ((5^5+5)/5 + 5 \times 5))$
:= $(66 \times (666/6 - 6 \times 6)) - (6+6)/6$
:= $(7 \times ((777 - 77) + 7)) - 7/7$
:= $8 + (88 \times (8 \times 8 - 8) + ((88+8)/8))$
:= $9 + (9 \times (9 \times (9 \times 9 - 9) - 99) - ((9+9)/9))$
- 4949 := $((1+1) \times (11 \times (1 + ((1+1) \times (1+111)))) - 1)$
:= $22 + ((22 \times (222+2)) - 2/2)$
:= $3 + ((33/3 + 3 + 3)^3 + 33)$
:= $4 + ((44 - 4/4) \times (444/4 + 4))$
:= $5555 - ((55 \times 55 + 5)/5)$
:= $6 \times 6 + ((66/6 + 6)^{6 \times 6/(6+6)})$
:= $7 \times ((777 - 77) + 7)$
:= $(8 - 8/8) \times ((8 \times 88 - 8) + (88/8))$
:= $9 + ((9/9 + 9) \times (((9+9)/9)^9) - (9+9))$
- 4950 := $(1+1) \times (11 \times (1 + ((1+1) \times (1+111))))$
:= $22 + (22 \times (222+2))$
:= $(3^3 + 3) \times ((3+3) \times 3^3 + 3)$
:= $(44 + 4/4) \times (444 - 4)/4$
:= $(5+5) \times (55 \times (5 - 5/5 + 5))$
:= $66 \times (666/6 - 6 \times 6)$
:= $7/7 + (7 \times ((777 - 77) + 7))$
:= $8 + ((8 - 8/8) \times (((8+8)/8) + 8 \times 88))$
:= $9 + 9 \times (9 \times (9 \times 9 - 9) - 99)$
- 4951 := $1 + ((1+1) \times (11 \times (1 + ((1+1) \times (1+111))))$
:= $22 + ((22 \times (222+2)) + 2/2)$
:= $3/3 + (((3^3 + 3) \times ((3+3) \times 3^3 + 3))$
:= $(4+4)^4 + (4444/4 - 4^4)$
:= $5/5 + ((5+5) \times (55 \times (5 - 5/5 + 5)))$
:= $6/6 + (66 \times (666/6 - 6 \times 6))$
:= $(7+7)/7 + (7 \times ((777 - 77) + 7))$
:= $8 + (((88 \times (8 \times 8 - 8) - 8/8) + 8) + 8)$
:= $9 + (9 \times (9 \times (9 \times 9 - 9) - 99) + 9/9)$
- 4952 := $(1+1) \times (1 + (11 \times (1 + ((1+1) \times (1+111))))$
:= $2 + ((22 \times (222+2)) + 22)$
:= $3 + (((33/3 + 3 + 3)^3 + 33) + 3)$
:= $4^4 + ((4444 - 4) + 4^4)$
:= $((5 - (5+5)/5) + 5) \times ((5^5 - 5)/5 - 5)$
:= $(6+6)/6 + (66 \times (666/6 - 6 \times 6))$
:= $(7+7+7)/7 + (7 \times ((777 - 77) + 7))$
:= $8 + ((88 \times (8 \times 8 - 8) + 8) + 8)$
:= $99/9 + 9 \times (9 \times (9 \times 9 - 9) - 99)$
- 4953 := $1 + ((1+1) \times (1 + (11 \times (1 + ((1+1) \times (1+111))))$
:= $2 + (((22 \times (222+2)) + 22) + 2/2)$
:= $3 + ((3^3 + 3) \times ((3+3) \times 3^3 + 3))$
:= $44 + (((4 \times 4 + 4/4)^{4-4/4}) - 4)$
:= $5 \times 5 + (5555 - (5^5 + 5 + 5)/5)$
:= $((6 \times 6/(6+6))^6) + (66 \times ((6+6)/6)^6)$
:= $77/7 + ((7 \times ((777 - 77) + 7)) - 7)$
:= $8 + (((88 \times (8 \times 8 - 8) + 8/8) + 8) + 8)$
:= $9 + ((9 - 9/9) \times (9 \times 9 \times 9 - 999/9))$
- 4954 := $(1+1) \times (1 + (1 + (11 \times (1 + ((1+1) \times (1+111))))$
:= $2 + (((22 \times (222+2)) + 22) + 2)$
:= $3 + (((3^3 + 3) \times ((3+3) \times 3^3 + 3)) + 3/3)$
:= $4 + ((44 + 4/4) \times (444 - 4)/4)$
:= $5 \times 5 + (5555 - (5^5 + 5)/5)$
:= $66 + (((6+6)/6)^{6+6}) + 66 \times (6+6)$
:= $7 + (((7+7)/7 + 7 \times 7) \times (7 \times (7+7) - 7/7))$
:= $8 + (((88 \times (8 \times 8 - 8) + ((8+8)/8) + 8) + 8)$
:= $9 + (((9 \times 9 + 9)/(9+9)) \times (999 - (9/9 + 9)))$
- 4955 := $1 + ((1+1) \times (1 + (1 + (11 \times (1 + ((1+1) \times (1+111))))$
:= $(2222/2) + ((2^{2+2+2} - 2)^2)$
:= $3 \times 3 + ((33/3 + 3 + 3)^3 + 33)$
:= $4^4 + ((4444 - 4/4) + 4^4)$
:= $5 + ((5+5) \times (55 \times (5 - 5/5 + 5)))$
:= $6 + (((66/6 + 6)^{6 \times 6/(6+6)}) + 6 \times 6)$
:= $7 + ((7 \times ((777 - 77) + 7)) - 7/7)$
:= $8 + ((88 \times (8 \times 8 - 8) + (88/8)) + 8)$
:= $((9 \times 9 + 9)/(9+9)) \times ((999 - 9) + 9/9)$
- 4956 := $(111 + ((11 \times (11 - 1 - 1))^{1+1}))/ (1+1)$
:= $2 \times (2222 + 2^{2 \times (2+2)})$
:= $3 + (((3^3 + 3) \times ((3+3) \times 3^3 + 3)) + 3)$
:= $4^4 + (4444 + 4^4)$
:= $5 \times 5 + (5555 + ((5 - 5^5)/5))$
:= $6 + (66 \times (666/6 - 6 \times 6))$
:= $7 + (7 \times ((777 - 77) + 7))$
:= $8 \times 8 \times 8 + (8888/(8+8)/8)$
:= $(99+9)/9 \times (((9+9)/9)^9) - 99$
- 4957 := $1 + ((111 + ((11 \times (11 - 1 - 1))^{1+1}))/ (1+1))$
:= $2/2 + (2 \times (2222 + 2^{2 \times (2+2)}))$
:= $33 + ((33/3 + 3 + 3)^3 + 33/3)$
:= $44 + ((4 \times 4 + 4/4)^{4-4/4})$
:= $5 + (((5 - (5+5)/5) + 5) \times ((5^5 - 5)/5 - 5))$
:= $(6 \times (66 \times (6+6) + 6 \times 6)) - 66/6$
:= $7 + ((7 \times ((777 - 77) + 7)) + 7/7)$
:= $8 + ((8 - 8/8) \times ((8 \times 88 - 8) + (88/8)))$
:= $9 + ((9 \times (9 \times (9 \times 9 - 9) - 99) - ((9+9)/9)) + 9)$
- 4958 := $(111/(1+1+1)) \times (1 + (1 + (11 \times (1+11))))$
:= $2 + (2 \times (2222 + 2^{2 \times (2+2)}))$
:= $3 + (((33/3 + 3 + 3)^3 + 33) + 3 \times 3)$
:= $((4 \times 4 + 4) \times (4^4 - 4 - 4)) - (4+4)/4$
:= $5 + ((5555 - (5^5 + 5 + 5)/5) + 5 \times 5)$
:= $(66 + 6/6) \times (((6+6)/6) + 66) + 6$
:= $7 + ((7 \times ((777 - 77) + 7)) + ((7+7)/7))$
:= $8 + (((8 - 8/8) \times (((8+8)/8) + 8 \times 88)) + 8)$
:= $((9/9 + 9) \times ((9+9)/9)^9) - 9 \times (9+9)$
- 4959 := $(11 - 1 - 1) \times (1 + ((1111 - 11)/(1+1)))$
:= $(22/2)^2 + ((22 \times (222 - 2)) - 2)$
:= $3 \times (3^3 \times (3^3 + 33) + 33)$
:= $((4 \times 4 + 4) \times (4^4 - 4 - 4)) - 4/4$
:= $(5 - 5/5 + 5) \times ((5+5) \times 55 + 5/5)$
:= $6 + ((66 \times ((6+6)/6)^6) + ((6 \times 6/(6+6))^6))$
:= $((77 - 7)/7) + (7 \times ((777 - 77) + 7))$
:= $(8/8 - 88) \times (8 - (8/8 + 8 \times 8))$
:= $9 + (9 \times (9 \times (9 \times 9 - 9) - 99) + 9)$
- 4960 := $(11 - 1) \times (1 + (11 + ((11 + 11)^{1+1})))$
:= $2 \times ((2222 + 2^{2 \times (2+2)}) + 2)$
:= $3/3 + (3 \times (3^3 \times (3^3 + 33) + 33))$
:= $(4 \times 4 + 4) \times (4^4 - 4 - 4)$
:= $5 \times ((5 - 5/5)^5 - ((5+5)/5)^5)$
:= $(6 \times (6+6) \times (6+6)) + (((6+6)/6)^{6+6})$
:= $77/7 + (7 \times ((777 - 77) + 7))$
:= $(88 - 8) \times (8 \times 8 - ((8+8)/8))$
:= $(9 - 9/9) \times (((9+9)/9)^9) + 99 + 9$
- 4961 := $((1 + 11^{1+1})^{1+1} - 1)/(1+1+1)$
:= $(22/2)^2 + (22 \times (222 - 2))$
:= $3 \times 3^3 + ((33/3 + 3 + 3)^3 - 33)$
:= $4/4 + ((4 \times 4 + 4) \times (4^4 - 4 - 4))$
:= $5 + ((5555 + ((5 - 5^5)/5)) + 5 \times 5)$
:= $(6 \times (66 \times (6+6) + 6 \times 6)) - 6/6 - 6$
:= $(7 \times 7 - (7/7 + 7)) \times (((7+7)/7)^7 - 7)$
:= $8/8 + ((88 - 8) \times (8 \times 8 - ((8+8)/8)))$
:= $9 + (9 \times (9 \times (9 \times 9 - 9) - 99) + (99/9))$
- 4962 := $1 + (((1 + 11^{1+1})^{1+1} - 1)/(1+1+1))$
:= $(2 \times (2 + 2 + 2)^2) - 222$
:= $(333 \times ((3 \times 3 + 3) + 3)) - 33$
:= $(4+4)/4 + ((4 \times 4 + 4) \times (4^4 - 4 - 4))$
:= $(5/5 + 5) \times (55 \times (5 + 5 + 5) + ((5+5)/5))$
:= $(6 \times (66 \times (6+6) + 6 \times 6)) - 6$
:= $(7 - 7/7) \times ((777 + 7 \times 7) + 7/7)$
:= $(8+8)/8 + ((88 - 8) \times (8 \times 8 - ((8+8)/8)))$
:= $9 + (((9 - 9/9) \times (9 \times 9 \times 9 - 999/9)) + 9)$

- 4963 := $1 + (1 + (((1 + 11^{1+1})^{1+1}) - 1) / (1 + 1 + 1)))$
:= $2 + ((22 \times (222 - 2)) + (22/2)^2)$
:= $3/3 + ((333 \times ((3 \times 3 + 3) + 3)) - 33)$
:= $4 + (((4 \times 4 + 4) \times (4^4 - 4 - 4)) - 4/4)$
:= $(5/5 + 5)^5 + ((5^5 - 5) / (5 + 5) - 5^5)$
:= $6/6 + ((6 \times (66 \times (6 + 6) + 6 \times 6)) - 6)$
:= $7 + ((7 \times ((777 - 77) + 7)) + 7)$
:= $8 + (((88 \times (8 \times 8 - 8) + (88/8)) + 8) + 8)$
:= $(9 - (9 + 9)/9) \times (9 \times 9 \times 9 - (99/9 + 9))$
- 4964 := $(1 + 1) \times ((1 + 1) \times ((11 \times (1 + 1 + 111)) - (1 + 1)))$
:= $2 + ((2 \times (2 + 2 + 2)^2) - 222)$
:= $3^3 + (((33/3 + 3 + 3)^3 - 3) + 3^3)$
:= $4 + ((4 \times 4 + 4) \times (4^4 - 4 - 4))$
:= $5 + ((5 - 5/5 + 5) \times ((5 + 5) \times 55 + 5/5))$
:= $(66 + 6/6 + 6) \times (((6 + 6)/6) + 66)$
:= $((7/7 - 7) + 77)^{(7+7)/7} - 77$
:= $8 + ((8888 / ((8 + 8)/8)) + 8 \times 8 \times 8)$
:= $9 \times (9 + 9) \times (9 + 9) + (((9 + 9)/9)^{99/9})$
- 4965 := $(11 + ((1 + 11^{1+1})^{1+1}) / (1 + 1 + 1))$
:= $(22 \times 222) + (2/2 + 2)^{2+2}$
:= $(3 \times (3 \times 3 + 3)^3) - ((3 + 3)^3 + 3)$
:= $4 + (((4 \times 4 + 4) \times (4^4 - 4 - 4)) + 4/4)$
:= $(5 \times ((5 - 5/5)^5 - (5 \times 5 + 5))) - 5$
:= $(6 \times (66 \times (6 + 6) + 6 \times 6)) - 6 \times 6 / (6 + 6)$
:= $(7/7 + 7 + 7) \times (7 \times 7 \times 7 - (77 + 7)/7)$
:= $888 + (8 \times 8 \times 8 \times 8 - (88/8 + 8))$
:= $9 + ((99 + 9)/9) \times (((9 + 9)/9)^9 - 99)$
- 4966 := $1 + ((11 + ((1 + 11^{1+1})^{1+1}) / (1 + 1 + 1))$
:= $(22 \times (222 + 2 + 2)) - 2 - 2 - 2$
:= $3/3 + ((3 \times (3 \times 3 + 3)^3) - ((3 + 3)^3 + 3))$
:= $((4 + 4) \times ((4/4 + 4)^4 - 4)) - (4 + 4)/4$
:= $5 \times 5 + (((55 - 5^5) / 5) + 5555)$
:= $66 + (((6 + 6)/6)^6 + 6)^{(6+6)/6}$
:= $77 + ((7 \times (777 - 77)) - (77/7))$
:= $(8 \times (8 \times (88 - 8) - 8)) - ((8 + 8)/8 + 88)$
:= $((9 - 9/9) + 9) \times ((99/9 + 99) + 9 \times 9)$
- 4967 := $11111 - ((1 + 1 + 1) \times (1 + 1)^{11})$
:= $2 + ((22 \times 222) + (2/2 + 2)^{2+2})$
:= $3^3 + ((33/3 + 3 + 3)^3 + 3^3)$
:= $((4 + 4) \times ((4/4 + 4)^4 - 4)) - 4/4$
:= $5^5 + ((5/5 + 5) \times (5^5 - 55) / (5 + 5))$
:= $(6 \times (66 \times (6 + 6) + 6 \times 6)) - 6/6$
:= $7 + ((7 \times ((777 - 77) + 7)) + (77/7))$
:= $8 + ((8/8 - 88) \times (8 - (8/8 + 8 \times 8)))$
:= $9 + (((9/9 + 9) \times ((9 + 9)/9)^9) - 9 \times (9 + 9))$
- 4968 := $(1 + 1) \times ((1 + 1) \times ((11 \times (1 + 1 + 111)) - 1))$
:= $2 \times (22 \times (222/2 + 2) - 2)$
:= $(3 + 3) \times (3 \times 33 + 3^{3+3})$
:= $(4 + 4) \times ((4/4 + 4)^4 - 4)$
:= $((5 - (5 + 5)/5) + 5) \times ((5^5 + 5)/5 - 5)$
:= $6 \times (66 \times (6 + 6) + 6 \times 6)$
:= $(7 \times (777 - 7 \times 7)) - ((7 + 7)/7)^7$
:= $(8 \times (8 \times (88 - 8) - 8)) - 88$
:= $(9 - 9/9) \times (9 \times 9 \times 9 - (99 + 9))$
- 4969 := $1 + ((1 + 1) \times ((1 + 1) \times ((11 \times (1 + 1 + 111)) - 1)))$
:= $(22 \times (222 + 2 + 2)) - 2/2 - 2$
:= $3/3 + ((3 + 3) \times (3 \times 33 + 3^{3+3}))$
:= $4/4 + ((4 + 4) \times ((4/4 + 4)^4 - 4))$
:= $(5 \times ((5 - 5/5)^5 - (5 \times 5 + 5))) - 5/5$
:= $6/6 + (6 \times (66 \times (6 + 6) + 6 \times 6))$
:= $((77 - 7) \times ((7/7 - 7) + 77)) - 7/7$
:= $8/8 + ((8 \times (8 \times (88 - 8) - 8)) - 88)$
:= $9 + ((9 - 9/9) \times (((9 + 9)/9)^9 + 99) + 9)$
- 4970 := $(1 + 1) \times (((1 + 1) \times (11 \times (1 + 1 + 111))) - 1)$
:= $(22 \times (222 + 2 + 2)) - 2$
:= $3 + (((33/3 + 3 + 3)^3 + 3^3) + 3^3)$
:= $(4 + 4)/4 + ((4 + 4) \times ((4/4 + 4)^4 - 4))$
:= $5 \times ((5 - 5/5)^5 - (5 \times 5 + 5))$
:= $(6 + 6)/6 + (6 \times (66 \times (6 + 6) + 6 \times 6))$
:= $(77 - 7) \times ((7/7 - 7) + 77)$
:= $(8 - 8/8) \times ((8 \times 88 - ((8 + 8)/8)) + 8)$
:= $(9 \times 9 - 99/9) \times (9 \times 9 - (9/9 + 9))$
- 4971 := $((1 + 1) \times ((1 + 1) \times (11 \times (1 + 1 + 111)))) - 1$
:= $(22 \times (222 + 2 + 2)) - 2/2$
:= $3 + ((3 + 3) \times (3 \times 33 + 3^{3+3}))$
:= $4 + (((4 + 4) \times ((4/4 + 4)^4 - 4)) - 4/4)$
:= $5/5 + (5 \times ((5 - 5/5)^5 - (5 \times 5 + 5)))$
:= $(6 \times 6 / (6 + 6)) + (6 \times (66 \times (6 + 6) + 6 \times 6))$
:= $7/7 + ((77 - 7) \times ((7/7 - 7) + 77))$
:= $88/8 + ((88 - 8) \times (8 \times 8 - ((8 + 8)/8)))$
:= $999/9 + (9 + 9 + 9) \times (99 + 9 \times 9)$
- 4972 := $(1 + 1) \times ((1 + 1) \times (11 \times (1 + 1 + 111)))$
:= $22 \times (222 + 2 + 2)$
:= $3 + (((3 + 3) \times (3 \times 33 + 3^{3+3})) + 3/3)$
:= $4 + ((4 + 4) \times ((4/4 + 4)^4 - 4))$
:= $(5 + 5)/5 + (5 \times ((5 - 5/5)^5 - (5 \times 5 + 5)))$
:= $6 + (((6 + 6)/6)^6 + 6)^{(6+6)/6} + 66$
:= $(7 + 7)/7 + ((77 - 7) \times ((7/7 - 7) + 77))$
:= $88/8 \times (888 / ((8 + 8)/8) + 8)$
:= $9 \times 9 + (((9 \times 9 - 99/9)^{(9+9)/9}) - 9)$
- 4973 := $1 + ((1 + 1) \times ((1 + 1) \times (11 \times (1 + 1 + 111))))$
:= $2/2 + (22 \times (222 + 2 + 2))$
:= $3^3 + ((33/3 + 3 + 3)^3 + 33)$
:= $4 + (((4 + 4) \times ((4/4 + 4)^4 - 4)) + 4/4)$
:= $5 + (((5 - (5 + 5)/5) + 5) \times ((5^5 + 5)/5 - 5))$
:= $6 + ((6 \times (66 \times (6 + 6) + 6 \times 6)) - 6/6)$
:= $((7/7 + 7 + 7) \times (7 \times 7 \times 7 - (77/7))) - 7$
:= $888 + (8 \times 8 \times 8 \times 8 - (88/8))$
:= $9 + (((9 + 9)/9)^{99/9} + 9 \times (9 + 9) \times (9 + 9))$
- 4974 := $(1 + 1) \times (1 + ((1 + 1) \times (11 \times (1 + 1 + 111))))$
:= $2 + (22 \times (222 + 2 + 2))$
:= $33 + (3^3 \times ((3 + 3)^3 - 33))$
:= $4 + (((4 + 4) \times ((4/4 + 4)^4 - 4)) + (4 + 4)/4)$
:= $((5 + 5) \times (555 + 5)) - (5^5 + 5)/5$
:= $6 + (6 \times (66 \times (6 + 6) + 6 \times 6))$
:= $(7 - 7/7) \times ((77/7 \times (77 - 7/7)) - 7)$
:= $888 + ((8 - 88)/8 + 8 \times 8 \times 8 \times 8)$
:= $9 + (((99 + 9)/9 \times (((9 + 9)/9)^9 - 99)) + 9)$
- 4975 := $1 + ((1 + 1) \times (1 + ((1 + 1) \times (11 \times (1 + 1 + 111))))$
:= $2 + ((22 \times (222 + 2 + 2)) + 2/2)$
:= $3/3 + ((3^3 \times ((3 + 3)^3 - 33)) + 33)$
:= $(4 + 4)^4 + (44 \times (4 \times 4 + 4) - 4/4)$
:= $5 \times (5 \times (5 + 5) \times (5 \times 5 - 5) - 5)$
:= $6 + ((6 \times (66 \times (6 + 6) + 6 \times 6)) + 6/6)$
:= $7 + ((7 \times (777 - 7 \times 7)) - ((7 + 7)/7)^7)$
:= $888 + (8 \times 8 \times 8 \times 8 - (8/8 + 8))$
:= $(9 \times (9 - 9 \times 9)) + (((99/9) \times ((9 + 9)/9)^9) - 9)$
- 4976 := $(1 + 1) \times ((1 + 1) \times (1 + (11 \times (1 + 1 + 111))))$
:= $2 + ((22 \times (222 + 2 + 2)) + 2)$
:= $3 + (((33/3 + 3 + 3)^3 + 33) + 3^3)$
:= $4 \times (4 \times (44 + 4^4) + 44)$
:= $(5/5 + 5)^5 - (5 \times (555 + 5))$
:= $6 + ((6 \times (66 \times (6 + 6) + 6 \times 6)) + ((6 + 6)/6))$
:= $77 + ((7 \times (777 - 77)) - 7/7)$
:= $888 + (8 \times 8 \times 8 \times 8 - 8)$
:= $(9 - 9/9) \times ((9 \times 9 \times 9 - (99 + 9)) + 9/9)$
- 4977 := $1 + ((1 + 1) \times ((1 + 1) \times (1 + (11 \times (1 + 1 + 111))))$
:= $((((2 \times (2 + 2) + 2)^{2+2}) - 2) / 2) - 22$
:= $(3 \times ((3 \times 3 + 3)^3 + 3)) - (3 + 3)^3$
:= $4^4 + ((4/4 + 4)^4 + (4 + 4)^4)$
:= $(5 - 5/5 + 5) \times (555 - (5 + 5)/5)$
:= $(6/6 + 6) \times (((6 \times 6 / (6 + 6))^6) - (6 + 6 + 6))$
:= $77 + (7 \times (777 - 77))$
:= $(8 - 8/8) \times ((8 \times 88 - 8/8) + 8)$
:= $9 \times ((99 \times 99 - 9) / (9 + 9) + 9)$

- 4978 := $(1+1) \times (1 + ((1+1) \times (1 + (11 \times (1+1+111))))$
:= $(2 \times (2 \times (22+2) + 2)^2) - 22$
:= $3/3 + ((3 \times (3 \times 3 + 3)^3 + 3)) - (3+3)^3$
:= $((44-4)/4)^4 - 44 / ((4+4)/4)$
:= $(5+5)/5 \times (5^5 - ((55+5^5)/5))$
:= $666 + (((6+6)/6)^{6+6} + 6 \times 6 \times 6)$
:= $7/7 + ((7 \times (777-77)) + 77)$
:= $8 + ((8-8/8) \times ((8 \times 88 - ((8+8)/8)) + 8))$
:= $9/9 + (9 \times ((99 \times 99 - 9)/(9+9) + 9))$
- 4983 := $11 \times (1 + (11 + ((11 + (11-1))^{1+1}))$
:= $22/2 + (22 \times (222 + 2 + 2))$
:= $3 \times (((33/3)^3 - 3) + 333)$
:= $(4+4)^4 + (((4+4) \times 444 - 4)/4)$
:= $5 + ((5+5)/5 \times (5^5 - ((55+5^5)/5)))$
:= $6 + ((6/6+6) \times (((6 \times 6/(6+6))^6 - (6+6+6)))$
:= $7 + (((7 \times (777-77)) - 7/7) + 77)$
:= $888 + (8 \times 8 \times 8 \times 8 - 8/8)$
:= $(9 \times (9 \times (9 \times 9 - (9+9)))) - (999/9 + 9)$
- 4988 := $((11-1)^{1+1+1+1})/(1+1) - 1 - 11$
:= $2 \times ((2^{22/2} + 2 \times 222) + 2)$
:= $3 + ((33/3 + 3 + 3)^3 + (3 \times (3^3 - 3)))$
:= $4 + (((4+4) \times (4/4+4)^4) - 4 \times 4)$
:= $(5+5)/5 \times (5^5 - ((5^5+5)/5+5))$
:= $((6 \times 6 + 6/6) + 6) \times (((666-6)/6) + 6)$
:= $77 + ((7 \times (777-77)) + (77/7))$
:= $8 \times 8 + (88 \times (8 \times 8 - 8) - (8/((8+8)/8)))$
:= $(99/9 + 9 + 9) \times ((9 \times (9+9) + 9/9) + 9)$
- 4979 := $1 + ((1+1) \times (1 + ((1+1) \times (1 + (11 \times (1+1+111))))$
:= $((((2 \times (2+2) + 2)^{2+2}) + 2)/2) - 22$
:= $33 + ((33/3 + 3 + 3)^3 + 33)$
:= $44/4 + ((4+4) \times ((4/4+4)^4 - 4))$
:= $5 + (((5+5) \times (555+5)) - (5^5+5)/5)$
:= $66 + (((66/6+6)^{6 \times 6/(6+6)})$
:= $((7+7)/7)^7 + (7 \times ((7 \times 7 \times (7+7)) + 7))$
:= $88/8 + ((8 \times (8 \times (88-8) - 8)) - 88)$
:= $9 + ((9 \times 9 - 99/9) \times (9 \times 9 - (9/9+9)))$
- 4984 := $(111 \times (1 + ((1+1) \times (11+11)))) - 11$
:= $2 \times (2^{22/2} + 2 \times 222)$
:= $(33 \times 3^3) + ((3/3+3)^{3+3} - 3)$
:= $((4+4) \times (4/4+4)^4) - 4 \times 4$
:= $55 + (5555 - (5^5+5)/5)$
:= $6 + (((6+6)/6)^{6 \times 6/(6+6)} + 6 \times 6 \times 6) + 666$
:= $7 + ((7 \times (777-77)) + 77)$
:= $888 + 8 \times 8 \times 8 \times 8$
:= $(9-9/9) \times (999/9 + ((9+9)/9)^9)$
- 4989 := $((11-1)^{1+1+1+1})/(1+1) - 11$
:= $((2 \times (2+2) + 2)^{2+2}) - 22/2$
:= $(333 \times ((3 \times 3 + 3) + 3)) - 3 - 3$
:= $((4+4) \times (4/4+4)^4) - 44/4$
:= $5555 - (555 + (55/5))$
:= $(666/6 \times (666/6 - 66)) - 6$
:= $((7+7) \times (7 \times 7 \times 7 + 7 + 7)) - ((7+7)/7 + 7)$
:= $8 + ((88 \times (8 \times 8 - 8) - (88/8)) + 8 \times 8)$
:= $((9999 - 9/9)/(9+9)/9) - 9/9 - 9$
- 4980 := $(1+1) \times ((1+1) \times (1 + (1 + (11 \times (1+1+111))))$
:= $2 + ((2 \times (2 \times (22+2) + 2)^2) - 22)$
:= $((3 \times 3 + 3) + 3) \times (333 - 3/3)$
:= $4 + (44 \times (4 \times 4 + 4) + (4+4)^4)$
:= $5 + (5 \times (5 \times (5+5) \times (5 \times 5 - 5) - 5))$
:= $6 + ((6 \times (66 \times (6+6) + 6 \times 6)) + 66)$
:= $(7/7 + 7 + 7) \times (7 \times 7 \times 7 - (77/7))$
:= $8 + (88 \times (8 \times 8 - 8) + (88/((8+8)/8)))$
:= $9 + ((9+9+9) \times (99+9 \times 9) + 999/9)$
- 4985 := $1 + ((111 \times (1 + ((1+1) \times (11+11)))) - 11)$
:= $2 + ((22 \times (222 + 2 + 2)) + 22/2)$
:= $(3 \times (3^3 - 3)) + (33/3 + 3 + 3)^3$
:= $4/4 + (((4+4) \times (4/4+4)^4) - 4 \times 4)$
:= $55 + (5555 - 5^5/5)$
:= $6 + (((66/6+6)^{6 \times 6/(6+6)}) + 66)$
:= $(7 \times (777 - 7 \times 7)) - 777/7$
:= $8/8 + (8 \times 8 \times 8 \times 8 + 888)$
:= $9 \times 9 + (((9-9/9) + 9)^{(9+9+9)/9}) - 9$
- 4990 := $1 + (((11-1)^{1+1+1+1})/(1+1) - 11)$
:= $(2 \times ((2 \times (22+2) + 2)^2 - (2+2))) - 2$
:= $3 + ((3/3+3)^{3+3} + (33 \times 3^3))$
:= $(4-44)/4 + ((4+4) \times (4/4+4)^4)$
:= $(5 \times ((5-5/5)^5 - 5 \times 5)) - 5$
:= $((6+6)/6)^6 \times (66+6+6) - (6+6)/6$
:= $((7+7) \times (7 \times 7 \times 7 + 7 + 7)) - (7/7+7)$
:= $8 \times 8 + (88 \times (8 \times 8 - 8) - ((8+8)/8))$
:= $(9/9+9) \times ((9 \times 999 - 9)/(9+9))$
- 4981 := $1 + ((1+1) \times ((1+1) \times (1 + (1 + (11 \times (1+1+111))))$
:= $2 + (((((2 \times (2+2) + 2)^{2+2}) + 2)/2) - 22)$
:= $3/3 + (((3 \times 3 + 3) + 3) \times (333 - 3/3))$
:= $4 + (((4/4+4)^4 + (4+4)^4) + 4^4)$
:= $5 + ((5/5+5)^5 - (5 \times (555+5)))$
:= $6 + (((6 \times (66 \times (6+6) + 6 \times 6)) + 6/6) + 6)$
:= $77/7 + ((77-7) \times ((7/7-7) + 77))$
:= $8 \times 8 + (88 \times (8 \times 8 - 8) - (88/8))$
:= $9 \times 9 + ((9 \times 9 - 99/9)^{(9+9)/9})$
- 4986 := $(11-1-1) \times (((1111-1)/(1+1)) - 1)$
:= $2 + (2 \times (2^{22/2} + 2 \times 222))$
:= $3 \times ((3 \times 3 + 3)^3 - (33+33))$
:= $4^4 + ((44-4/4) \times (444-4)/4)$
:= $(5-5/5+5) \times (555-5/5)$
:= $666 + (6 \times (6+6) \times (66-6))$
:= $7 + ((7 \times ((7 \times 7 \times (7+7)) + 7)) + ((7+7)/7)^7)$
:= $888 + (8 \times 8 \times 8 \times 8 + ((8+8)/8))$
:= $9 \times ((99 \times 99 + 9)/(9+9) + 9)$
- 4991 := $1 + (1 + (((11-1)^{1+1+1+1})/(1+1) - 11))$
:= $2 + (((2 \times (2+2) + 2)^{2+2}) - 22)/2$
:= $3 \times 3^3 + ((33/3 + 3 + 3)^3 - 3)$
:= $((44+4/4) \times 444/4) - 4$
:= $5 + ((5-5/5+5) \times (555-5/5))$
:= $((66/6+6) + 6) \times (6 \times 6 \times 6 + 6/6)$
:= $((7+7) \times (7 \times 7 \times 7 + 7 + 7)) - 7$
:= $8 \times 8 + (88 \times (8 \times 8 - 8) - 8/8)$
:= $((9999+9/9)/(9+9)/9) - 9$
- 4982 := $(11 \times (1 + (11 + ((11 + (11-1))^{1+1})))) - 1$
:= $(2 \times ((2 \times (22+2) + 2)^2 + 2)) - 22$
:= $3 + (((33/3 + 3 + 3)^3 + 33) + 33)$
:= $4 + (((44-4)/4)^4 - 44)/(4+4)/4$
:= $5 + ((5-5/5+5) \times (555 - (5+5)/5))$
:= $(66/6 + 6 \times 6) \times ((666+6)/6 - 6)$
:= $7777/7 + (7 \times ((7 \times 77 + 7) + 7))$
:= $888 + (8 \times 8 \times 8 \times 8 - ((8+8)/8))$
:= $9 \times 9 + ((99 \times 99 + 9/9)/(9+9)/9)$
- 4987 := $1 + ((11-1-1) \times (((1111-1)/(1+1)) - 1))$
:= $((((2 \times (2+2) + 2)^{2+2}) - 22)/2) - 2$
:= $(33 \times 3^3) + (3/3+3)^{3+3}$
:= $(4+4)^4 + (44/4 \times (4-4/4)^4)$
:= $((55/5+5) \times (5^5-5)/(5+5)) - 5$
:= $6/6 + ((6 \times (6+6) \times (66-6)) + 666)$
:= $((7+7) \times (7 \times 7 \times 7 + 7 + 7)) - 77/7$
:= $888 + ((8 \times 8 \times 8 \times 8 - 8) + (88/8))$
:= $9 \times 99 + ((9-9/9) \times ((9+9)/9)^9)$
- 4992 := $(1+1) \times ((11 \times (1 + ((1+1) \times (1+1+111)))) - 1)$
:= $2 \times ((2 \times (22+2) + 2)^2 - (2+2))$
:= $3 \times ((33/3)^3 + 333)$
:= $4 \times ((4 \times (4^4 - 4 - 4)) + 4^4)$
:= $(55/5+5) \times (5^5-5)/(5+5)$
:= $((6+6)/6)^6 \times (66+6+6)$
:= $(7 \times 7 - 7/7) \times (777/7 - 7)$
:= $8 \times (88 \times (8-8/8) + 8)$
:= $(9 \times (9 \times (9 \times 9 - (9+9)))) - 999/9$

$$\begin{aligned}
\blacktriangleright 4993 &:= (111 \times (1 + ((1+1) \times (11+11)))) - 1 - 1 \\
&:= 222/2 + ((22 \times 222) - 2) \\
&:= 3/3 + (3 \times ((33/3)^3 + 333)) \\
&:= 4 + (((4+4) \times (4/4+4)^4) - 44/4) \\
&:= (5 \times ((5-5/5)^5 - 5 \times 5)) - (5+5)/5 \\
&:= 6/6 + (((6+6)/6)^6 \times (66+6+6)) \\
&:= 7/7 + ((7 \times 7 - 7/7) \times (777/7 - 7)) \\
&:= 8/8 + (88 \times (8 \times 8 - 8) + 8 \times 8) \\
&:= ((9 - 999)/9) + (9 \times (9 \times (9 \times 9 - (9+9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4994 &:= (111 \times (1 + ((1+1) \times (11+11)))) - 1 \\
&:= 22 + (22 \times (222 + 2 + 2)) \\
&:= 3 \times 3^3 + (33/3 + 3 + 3)^3 \\
&:= 44/4 \times ((44 - 4)/4 + 444) \\
&:= (5 \times ((5-5/5)^5 - 5 \times 5)) - 5/5 \\
&:= 66 + (((6+6)/6)^6 \times (66/6 + 66)) \\
&:= 77/7 \times (777/7 + 7 \times 7 \times 7) \\
&:= 8 \times 8 + (88 \times (8 \times 8 - 8) + ((8+8)/8)) \\
&:= 9 \times 9 + (((9-9/9) + 9)^{(9+9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4995 &:= 111 \times (1 + ((1+1) \times (11+11))) \\
&:= 222/2 + (22 \times 222) \\
&:= 333 \times ((3 \times 3 + 3) + 3) \\
&:= (44 + 4/4) \times 444/4 \\
&:= 5 \times ((5-5/5)^5 - 5 \times 5) \\
&:= 666/6 \times (666/6 - 66) \\
&:= 777/7 \times ((7 \times 7 - 77/7) + 7) \\
&:= 888 + (8 \times 8 \times 8 \times 8 + (88/8)) \\
&:= 9 \times (9999 - 9)/(9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4996 &:= 1 + (111 \times (1 + ((1+1) \times (11+11)))) \\
&:= 2 \times ((2 \times (22+2) + 2)^2 - 2) \\
&:= 3/3 + (333 \times ((3 \times 3 + 3) + 3)) \\
&:= ((4+4) \times (4/4+4)^4) - 4 \\
&:= 5/5 + (5 \times ((5-5/5)^5 - 5 \times 5)) \\
&:= (((6+6)/6)^{6+6}) + (6 \times ((6+6) \times (6+6) + 6)) \\
&:= ((7+7) \times (7 \times 7 \times 7 + 7 + 7)) - (7+7)/7 \\
&:= 8 \times 8 + (88 \times (8 \times 8 - 8) + (8/((8+8)/8))) \\
&:= 9/9 + (9 \times (9999 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4997 &:= 1 + (1 + (111 \times (1 + ((1+1) \times (11+11)))) \\
&:= (((2 \times (2+2) + 2)^{2+2}) - 2)/2 - 2 \\
&:= 3 + ((33/3 + 3 + 3)^3 + 3 \times 3^3) \\
&:= 4/4 + (((4+4) \times (4/4+4)^4) - 4) \\
&:= 5 + ((55/5 + 5) \times (5^5 - 5)/(5+5)) \\
&:= 6 + (((6+6)/6 + 6) \times (6 \times 6 \times 6 + 6/6)) \\
&:= ((7+7) \times (7 \times 7 \times 7 + 7 + 7)) - 7/7 \\
&:= ((8-8/8) \times (88/8 + 8 \times 88)) - 8 \\
&:= (9+9)/9 + (9 \times (9999 - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4998 &:= (((11-1)^{1+1+1+1})/(1+1)) - 1 - 1 \\
&:= (2 \times (2 \times (22+2) + 2)^2) - 2 \\
&:= 3 + (333 \times ((3 \times 3 + 3) + 3)) \\
&:= (((44-4)/4)^4 - 4)/((4+4)/4) \\
&:= (5+5)/5 \times (5^5 - (5^5+5)/5) \\
&:= 6 + (((6+6)/6)^6 \times (66+6+6)) \\
&:= (7+7) \times (7 \times 7 \times 7 + 7 + 7) \\
&:= (8-8/8) \times (((8+8)/8) + 8 \times 88) + 8 \\
&:= (99-9/9) \times (9 \times (9+9) - 999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 4999 &:= (((11-1)^{1+1+1+1})/(1+1)) - 1 \\
&:= (((2 \times (2+2) + 2)^{2+2}) - 2)/2 \\
&:= 3 + ((333 \times ((3 \times 3 + 3) + 3)) + 3/3) \\
&:= ((4+4) \times (4/4+4)^4) - 4/4 \\
&:= 5555 - (555+5/5) \\
&:= (((66-6/6) \times (66/6 + 66)) - 6) \\
&:= 7/7 + ((7+7) \times (7 \times 7 \times 7 + 7 + 7)) \\
&:= 8 + ((88 \times (8 \times 8 - 8) - 8/8) + 8 \times 8) \\
&:= (9999 - 9/9)/(9+9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 5000 &:= ((11-1)^{1+1+1+1})/(1+1) \\
&:= 2 \times (2 \times (22+2) + 2)^2 \\
&:= (3-3/3+3) \times ((3 \times 3 + 3/3)^3) \\
&:= (4+4) \times (4/4+4)^4 \\
&:= 5 \times 5 \times (5+5) \times (5 \times 5 - 5) \\
&:= (6-6/6) \times (((66-6)/6)^{6 \times 6/(6+6)}) \\
&:= (7+7)/7 + ((7+7) \times (7 \times 7 \times 7 + 7 + 7)) \\
&:= 8 + (88 \times (8 \times 8 - 8) + 8 \times 8) \\
&:= (9999 + 9/9)/(9+9)/9
\end{aligned}$$

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