

# Running Expressions with Triangular Numbers - I

Inder J. Taneja<sup>1</sup>

## Abstract

*In previous works [4], running equalities are written in terms of 1 to 9 and 9 to 1 or 9 to 0 separated by single or double equality signs. Each digit is used with basic operations, along with **factorial**, **square-root** and **Fibonacci sequence**. These types of equalities, we called as **running expressions**. This work brings double and triple equality type running expressions with **triangular numbers** along with basic operations. The work is up to 3 digits in increasing and decreasing orders. For 4 digits onwards the results are given later on.*

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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.

<sup>1</sup>Formerly, Professor of Mathematics, Universidade Federal de Santa Catarina, Florianópolis, SC, Brazil (1978-2012). Also worked at Delhi University, India (1976-1978). **E-mail:** [ijtaneja@gmail.com](mailto:ijtaneja@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

$$\begin{aligned}
 \mathbf{100} &:= 2^6 + 6^2 & \mathbf{102} &:= -2^5 + 3^2 + 5^3 & \mathbf{104} &:= -1^1 + 2^3 + 3^4 + 4^2 \\
 \mathbf{101} &:= 1^1 + 2^6 + 6^2 & \mathbf{103} &:= 1^1 - 2^5 + 3^2 + 5^3 & \mathbf{105} &:= 2^3 + 3^4 + 4^2
 \end{aligned}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

See more examples,

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

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

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

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

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

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

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

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

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

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

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

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

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

### 1.2.2 Equal String Lengths

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Below are more examples,

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

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

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

### 1.3 Third Way: Single Digit Representations

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

$$\begin{aligned}
\mathbf{717} &:= (1+1)^{11} - 11^{(1+1+1)} \\
&:= 22^2 + 222 + 22/2 \\
&:= 3^{(3+3)} - 3 - 3 \times 3 \\
&:= 4 \times (4 \times 44 + 4) - 4 + 4/4 \\
&:= (55 \times (55 + 5 + 5) + 5 + 5)/5 \\
&:= (6 \times 6 / (6 + 6))^6 - 6 - 6 \\
&:= 777 - 7 \times 7 - 77/7 \\
&:= 8 \times 88 + (88 + 8 + 8)/8 \\
&:= 9 \times 9 \times 9 - (99 + 9)/9. \\
\mathbf{995} &:= (11-1)^{(1+1+1)} - (11-1)/(1+1) \\
&:= 22 + 2 \times (22^2 + 2) + 2/2 \\
&:= 3 \times 333 - 3 - 3/3 \\
&:= 4 \times (4^4 - 4 - 4) + 4 - 4/4 \\
&:= 5 \times (5 + 5) \times (5 \times 5 - 5) - 5 \\
&:= 666 + 6 \times 66 - 66 - 6/6 \\
&:= (7 + 7) \times (77 - 7) + 7 + 7 + 7/7 \\
&:= 888 + 88 + 8 + 88/8 \\
&:= 999 - (9 + 9 + 9 + 9)/9. \\
\mathbf{786} &:= ((1+1+1)^{(1+1+1)} + 1)^{(1+1)} + 1 + 1 \\
&:= (22 + 2 + 2 + 2)^2 + 2 \\
&:= 33 \times (3^3 - 3) - 3 - 3 \\
&:= 4 \times (4 \times (44 + 4) + 4) + (4 + 4)/4 \\
&:= 5 + (5^5 - 5/5)/(5 - 5/5) \\
&:= 66 \times (6 + 6) - 6 \\
&:= 777 + 7 + (7 + 7)/7 \\
&:= 8 \times (88 + 8) + 8 + (88 - 8)/8 \\
&:= 9 \times 99 - 99 - 9 + (9 + 9 + 9)/9 \\
\mathbf{1000} &:= (11-1)^{(1+1+1)} \\
&:= 2 \times (22^2 + 2^{(2+2)}) \\
&:= (3 \times 3 + 3/3)^3 \\
&:= 4 \times (4^4 - 4) - 4 - 4 \\
&:= 5 \times (5 + 5) \times (5 \times 5 - 5) \\
&:= ((66 - 6)/6)^{(6 \times 6 / (6 + 6))} \\
&:= (7 + 7 + 7 - 7/7) \times (7 \times 7 + 7/7) \\
&:= 888 + 88 + 8 + 8 + 8 \\
&:= 999 + 9/9.
\end{aligned}$$

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 10000 in four parts refer Tanejata8a, 8b, 8c, 8d

## 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

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

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

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

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

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

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

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

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

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

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

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

$$2020 := \frac{aaaa}{a}$$

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

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

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

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

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

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 [16] and another in fraction-type way [17]. For previous work refer [13, 14]. The summary of author's work on recreation of numbers in different situations refer [18].

## 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 [18, 19, 20]. 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 [21].

## 2 Triangle 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 are in subsections below.

### 3 Running Expressions with Triangular Numbers

This section bring the main results proposed in the work. It is divided in two parts. The first bring the results with two equality signs. The second part is with single equality sign. Due to high quantity of numbers, the work in this case is restricted up to 3 digits. Four digits results are in the second part of the work.

#### 3.1 Double Equalities

Below are examples in double equality signs, similar to example (3). The increasing and decreasing orders are together. We have considered only the situations where  $[1, 2, 3] = [4, 5, 6] = [7, 8, 9]$  and  $[9, 8, 7] = [6, 5, 4] = [3, 2, 1]$  or  $= [3, 2, 1, 0]$ . As there are few examples, we worked up to five digits.

## 3.1.1 Increasing Order

$$\begin{array}{lll}
\mathbf{1} = 1^{23} & = (4-5)^6 & = (-7+8)^9 \\
\mathbf{6} = 1 \times 2 \times 3 & = 7+8-9 & = T(4+5-6) \\
\mathbf{7} = 1+2 \times 3 & = -4+5+6 & = 7 \times (-8+9) \\
\mathbf{10} = T(12/3) & = 4 \times T(5)/6 & = -7+8+9 \\
\mathbf{11} = -1+2 \times T(3) & = T(4)-5+6 & = 7+T(8)/9 \\
\mathbf{16} = 1+T(2+3) & = -T(4)+5+T(6) & = 7-T(8)+T(9) \\
\mathbf{19} = -1 \times 2+T(T(3)) & = T(4)+T(5)-6 & = T(7)+T(8)-T(9) \\
\mathbf{20} = -1+T(2 \times 3) & = 4-5+T(6) & = -7+T(8)-9 \\
\mathbf{21} = T(1 \times 2 \times 3) & = T(4)+5+6 & = T(7+8-9) \\
\mathbf{24} = 1+23 & = 45-T(6) & = 7+8+9 \\
\mathbf{28} = T(1+2 \times 3) & = T(-4+5+6) & = 7 \times T(8)/9 \\
\mathbf{36} = 12 \times 3 & = 4 \times (T(5)-6) & = T(7-8+9) \\
\mathbf{45} = T(12-3) & = T(T(4)+5-6) & = T(7)+8+9 \\
\mathbf{55} = T(T(12/3)) & = T(4 \times T(5)/6) & = T(7)+T(8)-9 \\
\mathbf{66} = T(-1+2 \times T(3)) & = 45+T(6) & = T(7+T(8)/9) \\
\mathbf{72} = 12 \times T(3) & = T(T(T(4))/5)+6 & = (-T(7)+T(8)) \times 9 \\
\mathbf{81} = T(12)+3 & = 4 \times T(5)+T(6) & = T(7)+8+T(9) \\
\mathbf{136} = T(1+T(2+3)) & = T(4)+T(T(5))+6 & = T(7-T(8)+T(9)) \\
\mathbf{153} = -T(12)+T(T(T(3))) & = T(-4+T(5)+6) & = T(7+T(T(8)/9)) \\
\mathbf{171} = T(12+T(3)) & = T(4) \times T(5)+T(6) & = T(T(7)-T(T(8)/9)) \\
\mathbf{189} = -1+T(-2+T(T(3))) & = (4+5) \times T(6) & = 7 \times (T(8)-9) \\
\mathbf{190} = 1 \times T(-2+T(T(3))) & = T(T(4)+T(5)-6) & = T(((T(7)+T(8))-T(9))) \\
\mathbf{210} = T(-1+T(2 \times 3)) & = T(4-5+T(6)) & = T(-7+T(8)-9) \\
\mathbf{231} = T(T(1 \times 2 \times 3)) & = T(T(4)+5+6) & = T(T(7+8-9)) \\
\mathbf{233} = 1 \times 2+T(T(T(3))) & = T(4)/5+T(T(6)) & = T(7) \times 8+9 \\
\mathbf{253} = T(-1+23) & = T(-4+5+T(6)) & = T(T(7))-T(8+9) \\
\mathbf{300} = T(1+23) & = T(4) \times 5 \times 6 & = T(7+8+9) \\
\mathbf{351} = T(T(12)/3) & = T(4 \times 5+6) & = T(T(7))-T(T(T(8)/9))
\end{array}$$

$$\begin{aligned}
406 &= T(T(1+2 \times 3)) &= T(T(-4+5+6)) &= T(7 \times (T(8)/9)) \\
461 &= -1+2 \times T(T(T(3))) &= -4+T(5 \times 6) &= T(T(7))+T(T(T(8)/9)) \\
666 &= T(12 \times 3) &= T(4 \times (T(5)-6)) &= T(T(7-8+9)) \\
1035 &= T(T(12-3)) &= T(T(T(4)+5-6)) &= T(T(7)+8+9) \\
1540 &= T(T(T(12/3))) &= T(T(4 \times T(5)/6)) &= T(T(7)+T(8)-9) \\
2211 &= T(T(-1+2 \times T(3))) &= T(45+T(6)) &= T(T(7+T(8)/9)) \\
2628 &= T(12 \times T(3)) &= T(T(T(T(4))/5)+6) &= T((-T(7)+T(8)) \times 9) \\
2850 &= T(T(12)-3) &= T(T(T(4))+T(T(5))/6) &= T(T(7+8)-T(9)) \\
3321 &= T(T(12)+3) &= T(4 \times T(5)+T(6)) &= T(T(7)+8+T(9)) \\
9316 &= T(T(1+T(2+3))) &= T(T(4)+T(T(5))+6) &= T(T(7-T(8)+T(9))) \\
11781 &= T(-T(12)+T(T(T(3)))) &= T(T(T(T(4))/5+6)) &= T(T(7+T(T(8)/9))) \\
14706 &= T(T(12+T(3))) &= T(T(4) \times T(5)+T(6)) &= T(T(T(7)-T(T(8)/9))) \\
17955 &= T(-1+T(-2+T(T(3)))) &= T((4+5) \times T(6)) &= T(7 \times (T(8)-9)) \\
18145 &= 1 \times T(T(-2+T(T(3)))) &= T(T(T(4)+T(5)-6)) &= T(T(T(7)+T(8)-T(9))) \\
22155 &= T(T(-1+T(2 \times 3))) &= T(T(4-5+T(6))) &= T(T(-7+T(8)-9)) \\
26796 &= 1 \times T(T(T(2 \times 3))) &= T(T(T(4)+5+6)) &= T(T(T(7+8-9))) \\
32131 &= T(T(-1+23)) &= T(T(-4+5+T(6))) &= T(T(T(7))-T(8+9)) \\
45150 &= T(T(1+23)) &= T(T(4) \times 5 \times 6) &= T(T(7+8+9)) \\
61776 &= T(T(T(12)/3)) &= T(T(4 \times 5+6)) &= T(T(T(7))-T(T(T(8)/9))) \\
82621 &= T(T(T(1+2 \times 3))) &= T(T(T(-4+5+6))) &= T(T(7 \times T(8)/9)) \\
106491 &= T(-1+2 \times T(T(T(3)))) &= T(-4+T(5 \times 6)) &= T(T(T(7))+T(T(T(8)/9))) \\
221445 &= T(-1+T(T(2^3))) &= T(-T(T(4))+T(T(5)) \times 6) &= T(-T(T(7))+T(8)+T(T(9))) \\
222111 &= T(T(12 \times 3)) &= T(T(4 \times (T(5)-6))) &= T(T(T((7-8+9)))) \\
536130 &= T(T(T(12-3))) &= T(T(T(T(4)+5-6))) &= T(T(T(7)+8+9)) \\
1186570 &= T(T(T(T(12/3)))) &= T(T(T(4 \times T(5)/6))) &= T(T(T(7)+T(8)-9)) \\
2445366 &= T(T(T(-1+2 \times T(3)))) &= T(T(45+T(6))) &= T(T(T(7+T(8)/9))) \\
3454506 &= T(T(12 \times T(3))) &= T(T(T(T(T(4))/5)+6)) &= T(T((-T(7)+T(8)) \times 9)) \\
4062675 &= T(T(T(12)-3)) &= T(T(T(T(4))+T(T(5))/6)) &= T(T(T(7+8)-T(9)))
\end{aligned}$$

## 3.1.2 Decreasing Order

$$\begin{aligned}
1 &= (9-8)^7 &= (6-5)^4 &= 3-2 \times 1 \\
6 &= -9+8+7 &= 6 \times (5-4) &= 3 \times 2 \times 1 \\
7 &= (9-8) \times 7 &= 6+5-4 &= 3 \times 2+1 \\
10 &= 9+8-7 &= 65-T(T(4)) &= 3^2+1 \\
& & &= (3-2) \times 10 \\
11 &= -9-8+T(7) &= 6-5+T(4) &= T(3) \times 2-1 \\
& & &= 3-2+10 \\
14 &= 98/7 &= -6+5 \times 4 &= T(3+2)-1 \\
& & &= T(3)-2+10 \\
16 &= T(9)-T(8)+7 &= T(6)+5-T(4) &= T(3+2)+1 \\
& & &= 3 \times 2+10 \\
17 &= 9+T(8)-T(7) &= 6+T(5)-4 &= -3+2 \times 10 \\
19 &= -T(9)+T(8)+T(7) &= -6+T(5)+T(4) &= T(T(3))-2 \times 1 \\
& & &= 3^2+10 \\
20 &= -9+T(8)-7 &= T(6)-5+4 &= T(3 \times 2)-1 \\
21 &= T(-9+8+7) &= 6+5+T(4)p &= T(3 \times 2 \times 1) \\
24 &= 9+8+7 &= (T(6)-T(5)) \times 4 &= 3+21 \\
25 &= T(9)+8-T(7) &= 6+T(5)+4 &= T(3+2)+10 \\
28 &= (9-8) \times T(7) &= T(6+5-4) &= T(3 \times 2+1) \\
29 &= 9-8+T(7) &= -T(6)+5 \times T(4) &= T(T(3))-2+10 \\
30 &= T(9)-8-7 &= T(6)+5+4 &= T(3)/2 \times 10 \\
34 &= -9+T(8)+7 &= 6 \times 5+4 &= -T(3 \times 2)+T(10) \\
36 &= T(9-8+7) &= (-6+T(5)) \times 4 &= T(3^2-1) \\
& & &= 3 \times (2+10) \\
44 &= 9 \times 8-T(7) &= (6+5) \times 4 &= T(3^2)-1 \\
45 &= T(9) \times (8-7) &= T((T(6)+T(5))/4) &= T(3^2) \times 1 \\
46 &= T(9)+8-7 &= 6-T(5)+T(T(4)) &= T(3^2)+1 \\
& & &= T(3)^2+10
\end{aligned}$$

$$\begin{aligned}
55 &= T(9+8-7) &= 65 - T(4) &= T(3^2+1) \\
&&&= (3-2) \times T(10) \\
60 &= T(9)+8+7 &= 6+54 &= 3 \times 2 \times 10 \\
66 &= T(-9-8+T(7)) &= 6+T(5) \times 4 &= T(T(3) \times 2-1) \\
&&&= T(3-2+10) \\
70 &= 98 - T(7) &= T(6+5)+4 &= T(3+2)+T(10) \\
72 &= 9 \times (T(8)-T(7)) &= 6+T(T(5)-4) &= T(3) \times (2+10) \\
78 &= -9+87 &= T(T(6)-5-4) &= T(T(3) \times 2) \times 1 \\
&&&= T(T(3))+2+T(10) \\
81 &= T(9)+8+T(7) &= T(6)+T(5) \times 4 &= 3+T(2+10) \\
91 &= 98-7 &= T(-6+T(5)+4) &= T(T(3) \times 2+1) \\
&&&= T(3)^2+T(10) \\
100 &= 9 \times 8+T(7) &= 6 \times T(5)+T(4) &= T(3^2)+T(10) \\
105 &= 98+7 &= T(-6+5 \times 4) &= T(T(3+2)-1) \\
&&&= T(T(3)-2+10) \\
126 &= 98+T(7) &= 6+T(5+T(4)) &= T(3) \times 21 \\
136 &= T(T(9)-T(8)+7) &= T(T(6)+5-T(4)) &= T(3 \times 2+10) \\
153 &= T(9+T(8)-T(7)) &= T(6+T(5)-4) &= T(-3+2 \times 10) \\
180 &= 9 \times (-8+T(7)) &= 6 \times T(T(5))/4 &= T(T(T(3))-2)-10 \\
189 &= (-9+T(8)) \times 7 &= T(6) \times (5+4) &= T(T(T(3))-2)-1 \\
&&&= -T(T(3))+210 \\
210 &= T(-9+T(8)-7) &= (6+T(5)) \times T(4) &= T(T(T(3)))-21 \\
&&&= T(3 \times 2) \times 10 \\
231 &= T(T(-9+8+7)) &= T(T(6)) \times (5-4) &= T(T(3 \times 2)) \times 1 \\
&&&= T(T(3))+210 \\
243 &= -9+T(8) \times 7 &= T(T(6))+T(T(5))/T(4) &= T(T(T(3)))+2+10 \\
251 &= -9+T(T(8))-T(T(7)) &= T(T(6))+5 \times 4 &= T(T(T(3)))+2 \times 10 \\
252 &= (T(9)-T(8)) \times T(7) &= T(6) \times T(T(5))/T(4) &= T(T(T(3)))+21 \\
&&&= T(T(3)) \times (2+10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{253} &= -T(9+8) + T(T(7)) &= T(T(6) + 5 - 4) &= T(T(3 \times 2) + 1) \\
&&&= T(32 - 10) \\
\mathbf{300} &= T(9+8+7) &= 6 \times 5 \times T(4) &= T(3+21) \\
\mathbf{325} &= T(T(9) + 8 - T(7)) &= T(6 + T(5) + 4) &= T(T(3+2) + 10) \\
\mathbf{331} &= 9 \times T(8) + 7 &= 6 + T(T(5) + T(4)) &= T(T(T(3)) + 2) + T(10) \\
\mathbf{360} &= T(9) \times (T(8) - T(7)) &= 6 \times T(5) \times 4 &= T(3)^2 \times 10 \\
\mathbf{406} &= (9-8) \times T(T(7)) &= T(T(6+5-4)) &= T(T(3 \times 2 + 1)) \\
\mathbf{435} &= T(9-8+T(7)) &= T(-T(6) + 5 \times T(4)) &= T(T(T(3)) - 2 + 10) \\
\mathbf{465} &= T(T(9) - 8 - 7) &= T(T(6) + 5 + 4) &= T(T(3)/2 \times 10) \\
\mathbf{595} &= T(-9 + T(8) + 7) &= T(6 \times 5 + 4) &= T(-T(3 \times 2) + T(10)) \\
\mathbf{666} &= T(T(9 - 8 + 7)) &= T((-6 + T(5)) \times 4) &= T(T(3)^2) \times 1 \\
&&&= T(3 \times (2 + 10)) \\
\mathbf{990} &= T(9 \times 8 - T(7)) &= T((6+5) \times 4) &= T(T(3^2) - 1) \\
\mathbf{1025} &= T(T(9) + 8) - T(T(7)) &= T(T(-6 + T(5))) - T(4) &= T(T(3^2)) - 10 \\
\mathbf{1035} &= T(T(9)) \times (8 - 7) &= T(T(-6 + 5 + T(4))) &= T(T(3^2 \times 1)) \\
\mathbf{1045} &= -T(T(9)) + T(T(8) + T(7)) &= T(T(-6 + T(5))) + T(4) &= T(T(3)) + 2^{10} \\
\mathbf{1081} &= T(T(9) + 8 - 7) &= T(6 - T(5) + T(T(4))) &= T(T(3^2) + 1) \\
&&&= T(T(3)^2 + 10) \\
\mathbf{1155} &= T(T(9)) + T(8+7) &= (6 + T(5)) \times T(T(4)) &= T(3 \times 2) \times T(10) \\
\mathbf{1260} &= (9 + T(8)) \times T(7) &= 6 \times T(5 \times 4) &= T(3) \times 210 \\
\mathbf{1485} &= T(T(-9 + T(8))/7) &= T(6 \times (5 + 4)) &= T(T(T(T(3) - 2)) - 1) \\
&&&= T(-3 + 2 + T(10)) \\
\mathbf{1540} &= T(T(9+8-7)) &= T(65 - T(4)) &= T(T(3^2 + 1)) \\
\mathbf{1830} &= T(T(9) + 8 + 7) &= T(6+54) &= T(3 \times 2 \times 10) \\
\mathbf{2016} &= 9 \times 8 \times T(7) &= T(T(T(6)) \times T(5)/T(T(4))) &= T(3 \times 21) \\
\mathbf{2211} &= T(T(-9 - 8 + T(7))) &= T(6 + T(5) \times 4) &= T(T(T(3) \times 2 - 1)) \\
&&&= T(T(3 - 2 + 10)) \\
\mathbf{2628} &= T(9 \times (T(8) - T(7))) &= T(6 + T(T(5) - 4)) &= T(T(3) \times (2 + 10)) \\
\mathbf{2850} &= T(-T(9) + T(8+7)) &= T(65 + T(4)) &= T(-3 + T(2 + 10))
\end{aligned}$$

$$\begin{aligned}
3081 &= T(-9 + 87) &= T(T(T(6) - 5 - 4)) &= T(T(T(3) \times 2 \times 1)) \\
3321 &= T(T(9) + 8 + T(7)) &= T(T(6) + T(5) \times 4) &= T(3 + T(2 + 10)) \\
4005 &= T(T(T(9)) - T(T(8) + 7)) &= T(-T(6) + T(T(5)) - T(4)) &= T(-T(T(3)) + 2 \times T(10)) \\
4186 &= T(98 - 7) &= T(T(-6 + T(5) + 4)) &= T(T(T(3) \times 2 + 1)) \\
& & &= T(T(3)^2 + T(10)) \\
5050 &= T(9 \times 8 + T(7)) &= T(6 \times T(5) + T(4)) &= T(T(3^2) + T(10)) \\
5565 &= T(98 + 7) &= T(T(-6 + 5 \times 4)) &= T(T(T(3 + 2) - 1)) \\
& & &= T(T(T(3) - 2 + 10)) \\
8001 &= T(98 + T(7)) &= T(6 + T(5 + T(4))) &= T(T(3) \times 21) \\
8778 &= T(T(9) + 87) &= T(T(T(6) - 5) - 4) &= T(T(T(T(3 + 2)))/T(10)) \\
11781 &= T(T(9 + T(8) - T(7))) &= T(T(6 + T(5) - 4)) &= T(T(-3 + 2 \times 10)) \\
13695 &= T(T(9) + T(8 + 7)) &= T(T(T(6)) - T(T(5) - 4)) &= T(T(3)/2 \times T(10)) \\
16290 &= T(9 \times (-8 + T(7))) &= T(6 \times T(T(5))/4) &= T(T(T(T(3)) - 2) - 10) \\
17955 &= T((-9 + T(8)) \times 7) &= T(T(6) \times (5 + 4)) &= T(T(T(T(3)) - 2) - 1) \\
& & &= T(-T(T(3)) + 210) \\
18145 &= T(T(-T(9) + T(8) + T(7))) &= T(T(-6 + T(5) + T(4))) &= T(T(T(T(3)) - 2)) \times 1 \\
& & &= T(T(3^2 + 10)) \\
22155 &= T(T(-9 + T(8) - 7)) &= T(T(T(6) - 5 + 4)) &= T(T(T(T(3))) - 21) \\
& & &= T(T(3 \times 2) \times 10) \\
24090 &= T(9 + T(-8 + T(7))) &= T(T(T(6)) - T(T(5))/T(4)) &= T(T(T(T(3))) - 2 - 10) \\
26796 &= T(T(T(-9 + 8 + 7))) &= T(T(T(6))) \times (5 - 4) &= T(T(T(3 \times 2 \times 1))) \\
& & &= T(T(T(3)) + 210) \\
27261 &= T(9 + 8 \times T(7)) &= T(T(T(6))) + T(T(T(5))/4) &= T(T(T(T(3))) + 2) \times 1 \\
29646 &= T(-9 + T(8) \times 7) &= T(T(T(6)) + T(T(5))/T(4)) &= T(T(T(T(3))) + 2 + 10) \\
31626 &= T(-9 + T(T(8)) - T(T(7))) &= T(T(T(6)) + 5 \times 4) &= T(T(T(T(3))) + 2 \times 10) \\
31878 &= T((T(9) - T(8)) \times T(7)) &= T(T(6) \times T(T(5))/T(4)) &= T(T(T(T(3))) + 21) \\
& & &= T(T(T(3)) \times (2 + 10)) \\
32131 &= T(-T(9 + 8) + T(T(7))) &= T(T(T(6) + 5 - 4)) &= T(T(T(3 \times 2) + 1)) \\
& & &= T(T(32 - 10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{45150} &= T(T(9+8+7)) &= T(6 \times 5 \times T(4)) &= T(T(3+21)) \\
\mathbf{54946} &= T(9 \times T(8) + 7) &= T(6 + T(T(5) + T(4))) &= T(T(T(T(3)) + 2) + T(10)) \\
\mathbf{58311} &= T(T(T(9)) - T(T(8)) - T(7)) &= T(T(T(6) + 5) - T(4)) &= T(T(T(T(3))) + 2 \times T(10)) \\
\mathbf{64980} &= T(T(9) \times (T(8) - T(7))) &= T(6 \times T(5) \times 4) &= T(T(3)^2 \times 10) \\
\mathbf{82621} &= (9-8) \times T(T(T(7))) &= T(T(T(6+5-4))) &= T(T(T(3 \times 2 + 1))) \\
\mathbf{94830} &= T(T(9-8+T(7))) &= T(T(-T(6) + 5 \times T(4))) &= T(T(T(T(3)) - 2 + 10)) \\
\mathbf{108345} &= T(T(T(9) - 8 - 7)) &= T(T(T(6) + 5 + 4)) &= T(T(T(3)/2 \times 10)) \\
\mathbf{157641} &= T(-T(T(9)) + T(8 \times 7)) &= T(T(-T(6) + 54)) &= T(T(32 + 1)) \\
\mathbf{177310} &= T(T(-9 + T(8) + 7)) &= T(T(6 \times 5 + 4)) &= T(T(-T(3 \times 2) + T(10))) \\
\mathbf{221445} &= T(T(T(9)) + T(8) - T(T(7))) &= T(6 \times T(T(5)) - T(T(4))) &= T(T(T(3)^2) - 1) \\
\mathbf{222111} &= T(T(T(9-8+7))) &= T(T(6 + T(T(5))/4)) &= T(T(T(3)^2 \times 1)) \\
&&&&= T(T(3 \times (2 + 10))) \\
\mathbf{490545} &= T(T(9 \times 8 - T(7))) &= T(T((6+5) \times 4)) &= T(T(T(3^2) - 1)) \\
\mathbf{525825} &= T(T(T(9) + 8) - T(T(7))) &= T(T(T(-6 + T(5))) - T(4)) &= T(T(T(3^2)) - 10) \\
\mathbf{536130} &= T(T(T(9))) \times (8-7) &= T(T(T(-6 + 5 + T(4)))) &= T(T(T(3^2 \times 1))) \\
\mathbf{546535} &= T(-T(T(9)) + T(T(8) + T(7))) &= T(T(T(-6 + T(5))) + T(4)) &= T(T(T(3^2)) + 10) \\
\mathbf{584821} &= T(T(T(9) + 8 - 7)) &= T(T(6 - T(5) + T(T(4)))) &= T(T(T(3^2) + 1)) \\
\mathbf{667590} &= T(T(T(9)) + T(8 + 7)) &= T((6 + T(5)) \times T(T(4))) &= T(T(3 \times 2) \times T(10)) \\
\mathbf{794430} &= T((9 + T(8)) \times T(7)) &= T(6 \times T(5 \times 4)) &= T(T(3) \times 210) \\
\mathbf{1103355} &= T(T(T(-9 + T(8))/7)) &= T(T(6 \times (5 + 4))) &= T(T(T(T(T(3) - 2)) - 1)) \\
&&&&= T(T(-3 + 2 + T(10))) \\
\mathbf{1186570} &= T(T(T(9 + 8 - 7))) &= T(T(65 - T(4))) &= T(T(T(3^2 + 1))) \\
&&&&= T(T(T((3 - 2) \times 10))) \\
\mathbf{1675365} &= T(T(T(9) + 8 + 7)) &= T(T(6 + 54)) &= T(T(3 \times 2 \times 10)) \\
\mathbf{2033136} &= T(9 \times 8 \times T(7)) &= T(T(T(T(6)) \times T(5)/T(T(4)))) &= T(T(3 \times 21)) \\
\mathbf{2445366} &= T(T(T(-9 - 8 + T(7)))) &= T(T(6 + T(5) \times 4)) &= T(T(T(T(3) \times 2 - 1))) \\
&&&&= T(T(T(3 - 2 + 10))) \\
\mathbf{3088855} &= T(T(98 - T(7))) &= T(T(T(6 + 5) + 4)) &= T(T(T(3 + 2) + T(10))) \\
\mathbf{3454506} &= T(T(9 \times (T(8) - T(7)))) &= T(T(6 + T(T(5) - 4))) &= T(T(T(3) \times (2 + 10)))
\end{aligned}$$



$$\begin{aligned}
4062675 &= T(T(-T(9) + T(8 + 7))) &= T(T(65 + T(4))) &= T(T(-3 + T(2 + 10))) \\
4747821 &= T(T(-9 + 87)) &= T(T(T(T(6) - 5 - 4))) &= T(T(T(T(3) \times 2 \times 1))) \\
5516181 &= T(T(T(9) + 8 + T(7))) &= T(T(T(6) + T(5) \times 4)) &= T(T(3 + T(2 + 10))) \\
8022015 &= T(T(T(T(9)) - T(T(8) + 7))) &= T(T(-T(6) + T(T(5)) - T(4))) &= T(T(-T(T(3)) + 2 \times T(10))) \\
8763391 &= T(T(98 - 7)) &= T(T(T(-6 + T(5) + 4))) &= T(T(T(T(3) \times 2 + 1))) \\
&&&&= T(T(T(T(3)/2 + 10)))
\end{aligned}$$

## 4 Single Equality Expressions

Below are examples of running expressions with Triangular numbers in increasing and decreasing orders together using the digits 1 to 9 or 9 to 1 or 9 to 0 separated by single equality sign.

**Remark 4.1.** From number 366 onwards, the extra brackets are not removed. By use of simple mathematics they can be removed easily.

### 4.1 Increasing and Decreasing Orders

$$\begin{aligned}
2 &:= 9 - 8 + (7 - 6)^5 = 4 + T(3) + 2 - 10 \\
6 &:= T(1 + 2) &= 3 + 4 - (56 / (7 \times 8))^9 \\
&:= T(12/3) - 4 &= 5 - 6 - 7 \times (8 - 9) \\
&:= 9 - 8 + 7 - 6 + 5 - 4 + 3 = T(2 + 1) \\
&:= (9 - 8) \times (7 - 6 + 5) &= 4 + 3 - 2 + 1 \\
&&= 4 - T(3) - 2 + 10 \\
10 &:= T(12/3) &= (4 - 5)^{678} + 9 \\
&:= (-9 - 8 + 7 + 6 + 5) \times T(4) = 3^2 + 1 \\
&&= (3 - 2) \times 10 \\
11 &:= -1 + 2 \times T(3) &= 4 - 5 + 6 + 7 + 8 - 9 \\
&:= 12 + 3 - 4 &= 5 \times 67 - T(8) \times 9 \\
&:= (12/3) \times 4 - 5 &= (T(6) + 78)/9 \\
&:= 1 + 2 + 34 - 5 - T(6) = 7 + T(8)/9 \\
&:= -9 - 8 + T(7) &= (65 - 43)/2 \times 1 \\
&&= 6 + 5 + 4321 \times 0 \\
&:= T(9) + 8 - 7 \times 6 &= -5 \times 4 + 32 - 1 \\
&&= T(5) - 4 + 321 \times 0 \\
&:= 9 \times (87 - T(6))/54 &= T(3) \times 2 - 1 \\
&&= 3 - 2 + 10
\end{aligned}$$

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

$$\begin{aligned} \mathbf{13} &:= T(12)/T(3) &&= (45 - 6 + 78)/9 \\ &:= 98 - 76 - 5 - 4 = T(3) \times 2 + 1 \\ &= T(3)/2 + 10 \end{aligned}$$

$$\begin{aligned} \mathbf{14} &:= -1 + T(2 + 3) &&= 4 + 5 - 6 + 7 + 8 \times 9 \\ &:= 12/3 + T(4) &&= -5 + T(6 + 7) - 8 \times 9 \\ &:= 9 \times (8 + 76)/54 = T(3 + 2) - 1 \\ &= T(3) - 2 + 10 \end{aligned}$$

$$\begin{aligned} \mathbf{15} &:= T(12 - 3 - 4) &&= 5 \times (6 \times (7 - 8) + 9) \\ &:= 9 \times (8 - 7) + 6 &&= 54/3 - 2 - 1 \\ &= T(5) + 4321 \times 0 \\ &:= 9 \times (8 + 7) - 6 \times 5 \times 4 = T(3 \times 2 - 1) \\ &= 3 + 2 + 10 \end{aligned}$$

$$\begin{aligned} \mathbf{16} &:= 1 + T(2 + 3) &&= -4 + 5 \times 6 + 7 - 8 - 9 \\ &:= 12 + 34 - 5 \times 6 &&= 7 - T(8) + T(9) \\ &:= T(9) - T(8) + 7 &&= 6 \times 5 + 4 + 3 - 21 \\ &= T(6) - 5 + 4321 \times 0 \\ &:= 98 - 7 - T(6) - 54 = T(3 + 2) + 1 \\ &= 3 \times 2 + 10 \end{aligned}$$

$$\begin{aligned} \mathbf{17} &:= T(12)/T(3) + 4 &&= -5 - 6 + 7 + 89 \\ &:= 1 + 2 + (3 + 4) \times 5 - T(6) = 7 + T(T(8)/9) \\ &:= 98 - 76 - 5 &&= T(4) + 3 \times 2 + 1 \\ &= 4 + T(3)/2 + 10 \\ &:= 9 + 8 \times (7 - 6) &&= (54 - 3)/(2 + 1) \\ &= 54/T(3) - 2 + 10 \\ &:= 9 + T(8) - T(7) &&= 6 - 5 \times 4 + 32 - 1 \\ &= -6 + 5 - 4 + 32 - 10 \end{aligned}$$

$$\begin{aligned} \mathbf{18} &:= 12 + T(3) &&= 45 + 6 - 78 + T(9) \\ &:= (123 - T(4) - 5)/6 = T(7) - T(T(8)/9) \\ &:= 9 - 8 \times 7 + 65 &&= 4 + T(3 + 2) - 1 \\ &= -4 + 32 - 10 \\ &:= -9 + 87 - 6 - 54 &&= -3 + 21 \\ &= T(3) + 2 + 10 \end{aligned}$$

$$\begin{aligned}
\mathbf{19} &:= -1 \times 2 + T(T(3)) = -4 - 56 + 7 + 8 \times 9 \\
&:= 1 \times 23 - 4 = T(56/7) - 8 - 9 \\
&:= 12 + 3 \times 4 - 5 = T(6 - 7 + 8) - 9 \\
&:= (123 - 4 - 5)/6 = T(7) + T(8) - T(9) \\
&:= -9 + T(8 - 7 + 6) = (54 + 3)/(2 + 1) \\
&:= -T(9) + T(8) + T(7) = 65 - 43 - 2 - 1 \\
&= -6 + T(5) + 4 \times (3 + 2) - 10 \\
&:= 9 \times (8 - 7)^{65} + T(4) = T(T(3)) - 2 \times 1 \\
&= 3^2 + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{20} &:= -1 + T(2 \times 3) = -4 \times 5 + 67 - T(8) + 9 \\
&:= 1^{23} \times 4 \times 5 = T(6)/7 + 8 + 9 \\
&:= -1 \times 2 - 34 + 56 = -7 + T(8) - 9 \\
&:= -(9 - 8) \times (T(7) + 6) + 54 = T(3 \times 2) - 1 \\
&:= -9 + T(8) - 7 = 65 - 43 - 2 \times 1 \\
&= -6 \times 5 - 4 - 3 + 2 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{21} &:= T(T(1 + 2)) = 34 + 56 - 78 + 9 \\
&:= T(1 \times 2 \times 3) = 4 - 5 - 67 + 89 \\
&:= 1 + (2 + 3) \times 4 = 567/(T(8) - 9) \\
&:= T(1^{23}4 + 5) = T(6) \times (-7 + 8)^9 \\
&:= 1^{23}45 \times T(6) = T(7 + 8 - 9) \\
&:= (98 + T(7))/6 = 54 - 32 - 1 \\
&:= 98 - 76 - 5 + 4 = T(3 \times 2 \times 1) \\
&:= T(-9 + 8 + 7) = 65 - 43 - 2 + 1 \\
&= T(6) + 54321 \times 0
\end{aligned}$$

$$\begin{aligned}
\mathbf{22} &:= 98 - 7 - 65 - 4 = T(3 \times 2) + 1 \\
&= 32 - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{23} &:= 1 - 23 + 45 = 6 - T(7) + T(8) + 9 \\
&:= (1 + 2)^3 - 4 = 56 - 78 + T(9) \\
&:= -T(9) - 8 + 76 = 54 - 32 + 1 \\
&:= T(9) - 87 + 65 = 4 \times 3 \times 2 - 1 \\
&= 43 - 2 \times 10 \\
&:= 9 - 8 + 76 - 54 = T(T(3)) + 2 \times 1 \\
&= 3 + 2 \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{24} &:= 1 \times 23 - 4 + 5 = T(6 + 7 - 8) + 9 \\
&:= T(9) - 8 - 7 - 6 = (5 - 4) \times (3 + 21)
\end{aligned}$$

$$\begin{aligned}
\mathbf{25} &:= 12 + 3 + T(4) = 56/7 + 8 + 9 \\
&:= 1 + 2 - 34 + 56 = -T(7) + 8 + T(9) \\
&:= (9 + 87)/6 + 5 + 4 = T(3 + 2) + 10 \\
&:= T(9) + 8 - T(7) = 6 + 54/3 + 2 - 1 \\
&= 6 + 54/(3 \times 2) + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{26} &:= T(12)/3 &&= (4+5) \times 6 - 7 \times T(8)/9 \\
&:= 1 \times 2 \times 3 + 4 \times 5 &&= 6 - 7 + T(8) - 9 \\
&:= 9 - T(8) - 7 + 6 + 54 = T(3) + 2 \times 10 \\
&:= -9 + T(8) - 7 + 6 &&= 5 \times (4-3) + 21 \\
&&&= 54/3 - 2 + 10 \\
&:= 98 - 7 - 65 &&= T(4 \times 3)/(2+1) \\
&&&= 4 + 32 - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{27} &:= -12 + 34 + 5 &&= -6 + 78 - T(9) \\
&:= 1 + 23 + 4 + 5 - 6 = T(7) + 8 - 9 \\
&:= 9 + 87 - 65 - 4 &&= T(3) + 21 \\
&:= -9 + T(8) &&= 76 - 5 - 43 - 2 + 1 \\
&&&= 7 + 6 - 5 - 4 - 32 + T(10) \\
&:= -9 + 8 + T(7) &&= 6 + 54 - 32 - 1 \\
&&&= -T(6) - 54 \times 3 + 210 \\
&:= T(-9 + 8 + 7) + 6 = 5 + 43 - 21 \\
&&&= 54 \times (3+2)/10
\end{aligned}$$

$$\begin{aligned}
\mathbf{28} &:= T(1+2 \times 3) &&= T(4) \times 5 + 67 - 89 \\
&:= 1 + 23 + 4 &&= 56 - 7 \times T(8)/9 \\
&:= 1 - 2 + 34 - 5 &&= T(6) - 7 \times (8-9) \\
&:= (123+45)/6 &&= 7 \times T(8)/9 \\
&:= 98/7 - 6 + 5 \times 4 = T(3 \times 2 + 1) \\
&:= (9-8) \times T(7) &&= 65 - 4 - 32 - 1 \\
&&&= (-6+54)/3 + 2 + 10 \\
&:= T(98 - T(7+6)) = (5+4) \times 3 + 2 - 1 \\
&&&= 5 + 43 - 2 \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{29} &:= 1 - 2 + 3 \times T(4) &&= 5 \times 6 + (7-8)^9 \\
&:= 12 + 3 \times 4 + 5 &&= T(6) + 7 - 8 + 9 \\
&:= 12 \times 3 + 4 - 5 - 6 &&= T(7) - 8 + 9 \\
&:= 9 - 8 + 7 + T(6) &&= 5 \times 4 - 3 + 2 + 10 \\
&:= 9 - 8 + T(7) &&= 65 - 4 - 32 \times 1 \\
&&&= 6 + 5 - 4 + 32 - 10 \\
&:= 9 + 8 + 7 + 6 - 5 + 4 = (T(5) + 43)/2 \times 1 \\
&&&= T(T(3)) - 2 + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{30} &:= T(12+3)/4 = 5 \times (T(6+7-8) - 9) \\
&:= -12 - 3 + 45 = 67 + 8 - T(9) \\
&:= 1 - 23 - 4 + 56 = -7 - 8 + T(9) \\
&:= 98 - 7 - 65 + 4 = T(3)/2 \times 10 \\
&:= T(9) - 8 - 7 = 65 - 4 - 32 + 1 \\
&\quad = 65 - 43 - 2 + 10 \\
&:= (9-8)^7 \times 6 \times 5 = T(4+3) + 2 \times 1 \\
&\quad = (4-3+2) \times 10 \\
\mathbf{31} &:= 1 \times 2 + 34 - 5 = T(6) - 7 + 8 + 9 \\
&:= 9 + 8 - 7 + T(6) = (5-4) \times 32 - 1 \\
&\quad = 54 - 3 - 2 \times 10 \\
\mathbf{32} &:= 1 + 2 + 34 - 5 = -6 - 7 + T(8) + 9 \\
&:= (1+2)^3 + 4 - 5 + 6 = T(7) + T(8)/9 \\
&:= 9 + T(8) - 7 - 6 = (5-4) \times 32 \times 1 \\
&\quad = 54 - 32 + 10 \\
&:= 987/T(6) - T(5) = 4^3/2 \times 1 \\
&\quad = 4 \times 3 + 2 \times 10 \\
\mathbf{33} &:= 12 + T(T(3)) = 45 - 6 - 7 - 8 + 9 \\
&:= 1 - 2 + 34 = (-5+6) \times (78 - T(9)) \\
&:= 1 + 23 + 4 + 5 = 6 + T(7) + 8 - 9 \\
&:= 12 - 3 + 45 - T(6) = 78 - T(9) \\
&:= (98 - 76) \times T(5)/T(4) = 32 + 1 \\
&:= -9 + 8 + T(7) + 6 = 5 + 4 + 3 + 21 \\
&\quad = -5 - 4 + 32 + 10 \\
\mathbf{34} &:= 1 - 2 + (3+4) \times 5 = 6 + 7 \times T(8)/9 \\
&:= 12 - 34 + 56 = 7 + T(8) - 9 \\
&:= -9 + T(8) + 7 = 6 - 5 + 4 \times 3 + 21 \\
&\quad = 65 - 43 + 2 + 10 \\
&:= (9-8) \times T(7) + 6 = 5 - 4 + 32 + 1 \\
&\quad = T(5) + 4 + 3 + 2 + 10 \\
&:= 9 - (8-7-6) \times 5 = T(4) + 3 + 21 \\
&\quad = 4 \times 3 \times 2 + 10 \\
&:= 9 - 8 - T(7) + 65 - 4 = -T(3 \times 2) + T(10) \\
\mathbf{35} &:= -1 + T(2^3) = 4 - 56 + 78 + 9 \\
&:= 12 + 3 + 4 \times 5 = 6 + T(7) - 8 + 9 \\
&:= 98/7 + T(6) = 54/3 \times 2 - 1 \\
&:= (98 - T(7+6)) \times 5 = 4 + 32 - 1 \\
&\quad = 43 + 2 - 10 \\
&:= 9 + 87 - 65 + 4 = T(3)^2 - 1 \\
&\quad = T(3^2) - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{36} &:= 12 \times 3 &= T(4) - 56 - 7 + 89 \\
&:= T(12) + 3 - 45 &= 6 \times (7 + 8 - 9) \\
&:= (1^{23}4 + 5) \times 6 &= T(7 - 8 + 9) \\
&:= T(9 - 8 + 7) &= (65 + 43)/(2 + 1) \\
&&= 6 \times (-5 - 4 + 3 + 2 + 10) \\
&:= T(98/7 - 6) &= 54 + 3 - 21 \\
&&= 5 + 43 - 2 - 10 \\
&:= 9 + 87 - 6 - 54 &= T(3^2 - 1) \\
&&= 3 \times (2 + 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{37} &:= 1 \times 23 + 4 \times 5 - 6 &= T(7) - T(8) + T(9) \\
&:= 1 + 2 + 34 &= T(5) - 67 + 89 \\
&:= 1 + T(2^3) &= T(4) + 5 - 67 + 89 \\
&:= 12 \times 3 - 4 + 5 &= T(6 - 7 + 8) + 9 \\
&:= 98 - 76 + T(5) &= 4 + 32 + 1 \\
&:= -9 - 8 - 7 + 65 - 4 &= T(3)^2 + 1 \\
&:= T(9) - 8 &= -7 - 6 + 5 + 43 + 2 \times 1 \\
&&= -T(7) + 65 + 4 + 3 \times 2 - 10 \\
&:= T(9) - T(8) + T(7) &= (6 - 5) \times (4 + 32 + 1) \\
&&= 6 + 5 + 4 + 32 - 10 \\
&:= (T(9) - 8) \times (7 - 6) &= T(5) + 43 - 21 \\
&&= 54 + 3 - 2 \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{38} &:= 1 \times 2 \times T(T(3)) - 4 &= 5 \times 6 + 7 - 8 + 9 \\
&:= 1 - 2 + 34 + 5 &= 6 \times 7 - T(8)/9 \\
&:= 1 - 23 + 4 + 56 &= -7 + T(8) + 9 \\
&:= 9 + T(8) - 7 &= 65 + 4 - 32 + 1 \\
&&= 65 - 4 + 32 - T(10) \\
&:= 9 - 8 + 7 \times 6 - 5 &= T(4 \times 3)/2 - 1 \\
&&= -4 + 32 + 10 \\
&:= T(9) - 8 + 7 - 6 &= 5 + 4 \times 3 + 21 \\
&&= 54/3 + 2 \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{39} &:= T(12)/(T(3) - 4) &= -5 \times 6 + 78 - 9 \\
&:= T(12) - 34 - 5 &= 6 + 78 - T(9) \\
&:= 9 + 8 + 76 - 54 &= 3 + T(-2 + 10) \\
&:= -T(9) + 8 + 76 &= 54/3 + 21 \\
&&= 54 - 3 - 2 - 10 \\
&:= 98 + 7 - T(6 + 5) &= T(4 \times 3)/2 \times 1 \\
&&= (4 + 3)^2 - 10
\end{aligned}$$

$$\begin{aligned}
40 &:= 1 - 2 \times 3 + 45 &= 67 - T(8) + 9 \\
&:= T(9) + 8 - 7 - 6 &= 5 + 4 + 32 - 1 \\
& &= 5 + 43 + 2 - 10 \\
&:= T(9) + T(8) - 7 - 6 \times 5 - 4 \\
& &= (T(3) - 2) \times 10
\end{aligned}$$

$$\begin{aligned}
41 &:= -1 + 2 \times T(T(3)) = 45 + 6 + 7 - 8 - 9 \\
&:= T(12 - 3) - 4 &= 5 + 6 - 7 - 8 + T(9) \\
&:= (9 - 87)/6 + 54 &= T(T(3)) \times 2 - 1 \\
& &= T(T(3)) + 2 \times 10
\end{aligned}$$

$$\begin{aligned}
42 &:= 1 \times 2 \times T(T(3)) &= (456 - 78)/9 \\
&:= 12 + 3 \times T(4) &= -5 - 6 \times 7 + 89 \\
&:= -T(9) + 87 &= (6 - 5) \times T(4) + 32 \times 1 \\
&:= 987/T(6) - 5 &= 43 - 2 + 1 \\
&:= (98 + 7) \times 6/(5 + T(4)) = T(T(3)) + 21 \\
& &= 32 + 10
\end{aligned}$$

$$\begin{aligned}
43 &:= -12 + T(T(3) + 4) = -5 - T(6) + 78 - 9 \\
&:= 98 - 7 + 6 - 54 &= T(T(3)) \times 2 + 1 \\
&:= 9 - 8 + 7 \times 6 &= 54 - T(3) \times 2 + 1 \\
& &= 54 - 3 + 2 - 10 \\
&:= 9 - 8 \times 7 + 6 \times T(5) = 4^3 - 21 \\
& &= 43 + 21 \times 0
\end{aligned}$$

$$\begin{aligned}
44 &:= T(12) - 34 &= 5 \times (6 - 7 + 8) + 9 \\
&:= 1 \times 2 - 3 + 45 &= 6 - 7 + T(8) + 9 \\
&:= 12 \times (3 - 4) + 56 &= 7 - 8 + T(9) \\
&:= -9 + 87 - 6 \times 5 - 4 = T(3^2) - 1 \\
&:= 9 \times 8 - T(7) &= 6 + 5 + 4 \times 3 + 21 \\
& &= (65 + 43)/2 - 10 \\
&:= 9 + 8 \times 7 - T(6) &= 5 \times 4 + 3 + 21 \\
& &= 54 \times (3 - 2) - 10
\end{aligned}$$

$$\begin{aligned}
45 &:= T(12 - 3) &= 45 - 6 + 7 + 8 - 9 \\
&:= T(12 \times 3/4) &= -5 + 67 - 8 - 9 \\
&:= 12 + 34 + 5 - 6 &= T(7) + 8 + 9 \\
&:= T(9) \times (8 - 7) &= 65 + 4 - 3 - 21 \\
&:= 9 - T(8) + 7 + 65 = 43 + 2 \times 1 \\
&:= 98 + 7 - 6 - 54 &= T(3^2) \times 1 \\
&:= 9 + T(8) &= 7 + 65 + 4 - 32 + 1 \\
& &= 7 + 6 \times 5 - 4 \times 3 + 2 \times 10
\end{aligned}$$

$$\begin{aligned}
46 &:= 1^{23} + 45 &&= (6-7)^8 + T(9) \\
&:= 12/3 \times 4 + 5 \times 6 &&= -7 + 8 + T(9) \\
&:= T(9) + 8 - 7 &&= 6 + 5 + 4 + 32 - 1 \\
&&&= 65 + 4 + 32 - T(10) \\
&:= 9 + T(8) + 7 - 6 &&= 5 + 43 - 2 \times 1 \\
&&&= 54/3 \times 2 + 10 \\
&:= -9 + T(8+7) - 65 &&= 43 + 2 + 1 \\
&&&= 4 + 32 + 10 \\
&:= -98/7 + 6 + 54 &&= T(3^2) + 1 \\
&&&= T(3)^2 + 10
\end{aligned}$$

$$\begin{aligned}
47 &:= 1 + 2 \times T(T(3)) + 4 = 56 + (7-8) \times 9 \\
&:= 987/T(6) \times (5-4) = -T(3) - 2 + T(10) \\
&:= -9 + 8 \times 7 &&= 65 - 4 \times 3 - T(2+1) \\
&&&= 65 \times 4 - 3 - 210 \\
&:= 987/T(6) &&= 5 + 43 - 2 + 1 \\
&&&= -5 + 4^3 - 2 - 10 \\
&:= 987/(6 + T(5)) &&= 4 \times T(3) \times 2 - 1 \\
&&&= -4 - T(3) + 2 + T(10)
\end{aligned}$$

$$\begin{aligned}
48 &:= 1 \times 2 \times T(3) \times 4 = 56 - 7 + 8 - 9 \\
&:= 12 \times (34 - 5 \times 6) = -7 + T(T(T(8)/9)) \\
&:= 9 + 87 + 6 - 54 = T(3) \times (-2 + 10)
\end{aligned}$$

$$\begin{aligned}
49 &:= T(12-3) + 4 = 56 + 7 \times (8-9) \\
&:= 12/3 + 45 = T(6) - T(7) \times (8-9) \\
&:= (9-8)^7 - 6 + 54 = -3 \times 2 + T(10) \\
&:= 9 - T(8) + 76 = 54 - 3 - 2 \times 1 \\
&&&= 54 + 3 + 2 - 10
\end{aligned}$$

$$\begin{aligned}
50 &:= T(12) - T(3+4) = 56 - 7 - 8 + 9 \\
&:= T(9+8+7)/6 = 5 + 43 + 2 \times 1 \\
&&&= 54 + 3 \times 2 - 10 \\
&:= 9 + 8 + 7 + T(6) + 5 = (4+3)^2 + 1 \\
&&&= (4+3-2) \times 10
\end{aligned}$$

$$\begin{aligned}
51 &:= T(T((12/3))) - 4 = 5 \times (T(6) + 7) - 89 \\
&:= 12 + 34 + 5 = T(6)/7 \times (8+9) \\
&:= (9+8-7) \times 6 - 5 - 4 = -T(3) + 2 + T(10) \\
&:= -98/7 + 65 = T(4) \times 3 + 21 \\
&&&= 43 - 2 + 10 \\
&:= 9 + 8 + T(7) + 6 = 5 + 43 + 2 + 1 \\
&&&= 5 + 4 + 32 + 10
\end{aligned}$$



$$\begin{aligned}
\mathbf{52} &:= T(12)/T(3) \times 4 = 5 - 6 \times 7 + 89 \\
&:= 1^{23} + 45 + 6 = 7 + T(8) + 9 \\
&:= T(9) + 8 - 7 + 6 = 54 - 3 + 2 - 1 \\
&:= -9 + 8 - 7 + 6 + 54 = T(T(3)) \times 2 + 10 \\
&:= 9 + T(8) + 7 = 6 \times 5 + 43 - 21 \\
&= 6 - 5 + 43 - 2 - 10 \\
&:= 987/T(6) + 5 = 4 \times (T(3) \times 2 + 1) \\
&= 4^3 - 2 - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{53} &:= T(12) - T(T(3)) - 4 = 56 - 7 + T(8)/9 \\
&:= 1^{23} - 4 + 56 = -T(7) + T(8) + T(9) \\
&:= T(9) + T(8) - T(7) = (65 + 43)/2 - 1 \\
&:= T(9) + 8 = 7 + 65 + 4 - T(T(3)) - 2 \times 1 \\
&= -7 + 6 - T(5) + 4 \times 3 + 2 + T(10) \\
&:= 9 + T(8) + 7 + 6 - 5 = -T(4) + 3 \times 21 \\
&= 4 - 3 \times 2 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{54} &:= -1 + T(T(-2 + T(3))) = 4 + 56 - 7 - 8 + 9 \\
&:= T(1 + 2)^3/4 = 5 \times 6 + 7 + 8 + 9 \\
&:= 12 - 3 + 45 = T(6) + 78 - T(9) \\
&:= T(-9 + T(8))/7 = (65 + 43)/2 \times 1 \\
&= (65 - 43) \times 2 + 10 \\
&:= (9 + 8) \times 7 - 65 = T(4 + 3 \times 2) - 1 \\
&= 4 + (3 + 2) \times 10 \\
&:= 9 \times (8 - 7 + 6) - 5 - 4 = T(T(T(3) - 2)) - 1 \\
&= -3 + 2 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{55} &:= T(T(12/3)) = -4 + 5 - 6 + 7 + 8 + T(9) \\
&:= T(12 - 3) + T(4) = 56 + (7 - 8)^9 \\
&:= (12 + 3) \times 4 - 5 = -6 - T(7) + 89 \\
&:= -1^{23} 4 + 56 = T(7) + T(8) - 9 \\
&:= T(9 + 8 - 7) = (65 + 43)/2 + 1 \\
&= 65 - T(4) \times 3 + 2 \times 10 \\
&:= T(9 + (8 - 7)^6) = 54 + 3 - 2 \times 1 \\
&= 54 - 3^2 + 10 \\
&:= T(9) - 8 + 7 + 6 + 5 = T(4 + 3 + 2 + 1) \\
&= 43 + 2 + 10 \\
&:= 9 - 8 - 7 + 65 - 4 = T(3^2 + 1) \\
&= (3 - 2) \times T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{56} &:= 1 + T(T(-2 + T(3))) = 4 + 5 - 6 \times 7 + 89 \\
&:= 1^{23} + T(T(4)) = (56 + 7) \times 8/9 \\
&:= 12 \times 3 + 4 \times 5 = -T(T(6))/7 + 89 \\
&:= T(9) - 8 - 7 + T(6) + 5 = T(4 + 3) \times 2 \times 1 \\
&= 4^3 + 2 - 10 \\
&:= 9 - 8 + 7 - 6 + 54 = T(T(T(3) - 2)) + 1 \\
&= 3 - 2 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{57} &:= T(12) - T(T(3)) = (45 + 6 \times 78)/9 \\
&:= 1 + 2 \times T(3 + 4) = 56 - (7 - 8)^9 \\
&:= 1 \times 2 \times T(3) + 45 = 67 - T(T(8)/9) \\
&:= 9 \times (8 - 7) - 6 + 54 = -T(T(3)) + T(2 + 10) \\
&:= -9 + 87 - T(6) = (54 + 3) \times (2 - 1) \\
&= 5 + 4^3 - 2 - 10 \\
&:= -9 + 8 - 7 + 65 = T(4 \times 3) - 21 \\
&= (4 - 3) \times 2 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{58} &:= (1 + T(T(2 \times 3)))/4 = 56 \times 7/8 + 9 \\
&:= 1 \times 2 \times (34 - 5) = T(6) \times 7 - 89 \\
&:= 9 + T(8) + 7 + 6 = 54 + 3 + 2 - 1 \\
&= 54 - 3 \times 2 + 10 \\
&:= (9 - 8) \times (-7 + 65) = 4^3 - T(2 + 1) \\
&= 4 - 3 + 2 + T(10) \\
&:= (9 + 8) \times 7 - 65 + 4 = T(3)/2 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{59} &:= T(T(12/3)) + 4 = (567 - T(8))/9 \\
&:= 9 - (T(8) - 76) \times 5/4 = T(3) - 2 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{60} &:= (12 + 3) \times 4 = 5 - 6 - T(7) + 89 \\
&:= 1^{23} \times (4 + 56) = 7 + 8 + T(9) \\
&:= T(9) + 8 + 7 = 6 - 5 - 4 + 3 \times 21 \\
&= 65 + 4 + 3 - 2 - 10 \\
&:= T(9 + 8) - T(7) - 65 = 4 \times T(3 \times 2 - 1) \\
&= 4 \times 3/2 \times 10 \\
&:= 9 \times (8 + 7) - 65 - T(4) = 3 \times 2 \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{61} &:= 1 + 2^{T(3)} - 4 = (5 - 6) \times (T(7) - 89) \\
&:= 12 + 34 + T(5) = -T(6) - 7 + 89 \\
&:= 1^{23} + 4 + 56 = -T(7) + 89 \\
&:= -9 + 8 + 7 + 65 - T(4) = 3 \times 2 + T(10) \\
&:= 98 + T(7) - 65 = 4^3 - 2 - 1 \\
&:= T(9 + 8 - 7) + 6 = 54 + 3 \times 2 + 1 \\
&= T(5) + T(4 + 3) \times 2 - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{62} &:= 1 \times 23 + 45 - 6 &= 7 + T(T(T(8)/9)) \\
&:= -1 + 2 \times 34 - 5 &= -T(6+7) + T(8+9) \\
&:= 12 \times T(3) - T(4) &= (5-67) \times (8-9) \\
&:= 98 - T(7+6-5) &= 4^3 - 2 \times 1 \\
&:= T(9+8) - T(7+6) &= 54 + 3^2 - 1 \\
&&= 5 \times 4 + 32 + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{63} &:= (1+2) \times T(T(3)) &= 45 - 6 + 7 + 8 + 9 \\
&:= 12 \times T(T(3))/4 &= 56 - 7 \times (8-9) \\
&:= 123 - 4 \times T(5) &= -6 + 78 - 9 \\
&:= 123 - 4 - 56 &= 7 \times (-T(8) + T(9)) \\
&:= (T(9) - T(8)) \times 7 &= 65 - 4 + 3 - 2 + 1 \\
&&= 6 + 54 + 3 + 21 \times 0 \\
&:= 9 \times 8 + 7 - T(6) + 5 &= 4^3 - 2 + 1 \\
&&= 43 + 2 \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{64} &:= 1 \times 2^{T(3)} &= -4 + 5 - 6 + 78 - 9 \\
&:= 12 - 3 + T(T(4)) &= 56 + 7 - 8 + 9 \\
&:= 1 + 2 \times 34 - 5 &= T(6+7) - T(8) + 9 \\
&:= 9 - 8 + 7 \times 6 \times T(5)/T(4) &= 3^2 + T(10) \\
&:= 98 - T(7) - 6 &= 5 - 4 + 3 \times 21 \\
&&= 5 \times 4 \times 32/10
\end{aligned}$$

$$\begin{aligned}
\mathbf{65} &:= 1 + 2^{T(3)} &= 4 - 56 + T(7) + 89 \\
&:= T(12) - 3 - T(4) &= 56 - (7-8) \times 9 \\
&:= (12+3) \times 4 + 5 &= T(6) - T(7) + 8 \times 9 \\
&:= 98 + T(7) - 65 + 4 &= T(T(T(3) - 2)) + 10 \\
&:= T(9) + T(8+7)/6 &= (T(5) - 4 - 3)^2 + 1 \\
&&= 5 + 4 + (3-2) + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{66} &:= T(-1 + 2 \times T(3)) &= T(4) - 56 \times (7-8)^9 \\
&:= T(12+3-4) &= 56 - 7 + 8 + 9 \\
&:= 1 \times T(2 \times 3) + 45 &= 67 + 8 - 9 \\
&:= 12 + 3 + 45 + 6 &= T(7 + T(8)/9) \\
&:= (9-8)^7 + 65 &= 4^3 + 2 \times 1 \\
&&= T(4 \times 3) - 2 - 10 \\
&:= T(-9 - 8 + T(7)) &= 65 + (4-3)^{21} \\
&&= (6-54) \times 3 + 210 \\
&:= T(9) + 8 + 7 + 6 &= 54 + T(3) \times 2 \times 1 \\
&&= T(5) + 43 - 2 + 10 \\
&:= 98 - (7+6-5) \times 4 &= T(T(3) \times 2 - 1) \\
&&= T(3 - 2 + 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{67} &:= -1 + 2 \times 34 &= (567 + T(8))/9 \\
&:= 12 + 3 - 4 + 56 &= -7 + T(T(8))/9 \\
&:= T(9) + 87 - 65 &= 4 + 3 \times 21 \\
&:= 98 \times 7 + 6 - 5^4 &= T(3) \times 2 + T(10) \\
&:= 9 + T(8) + T(7) - 6 &= -5 - 4 \times (3 - 21) \\
&&= 5 \times T(4) - 3 + 2 \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{68} &:= (98 - 76 - 5) \times 4 &= T(T(3) \times 2) - 10 \\
&:= -9 + 8 \times 7 + T(6) &= 5 \times T(4) - 3 + 21 \\
&&= 5 + 43 + 2 \times 10 \\
&:= T(9)/(8 + 7) + 65 &= T(T(4)) + T(3) \times 2 + 1 \\
&&= 4 + 3^2 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{69} &:= 1 + 23 + 45 &= 6 \times 7 + T(8) - 9 \\
&:= 98/7 \times 6 - T(5) &= T(4 \times T(3)) - T(21) \\
&&= 4 \times 3 + 2 + T(10) \\
&:= -9 + T(8) + 7 \times 6 &= 5 + 43 + 21 \\
&&= 54 + 3 + 2 + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{70} &:= 1 + T(23)/4 &= T(5) - 6 - T(7) + 89 \\
&:= T(1 + 23)/4 - 5 &= T(6 - 7 + T(8))/9 \\
&:= T(12/3) + 4 + 56 &= 7 \times T(T(8)/9) \\
&:= 98 - T(7) &= 65 - 4 + 3^2 \times 1 \\
&:= 9 + 8 - 7 + 6 + 54 &= T(3 + 2) + T(10) \\
&:= 98 - 7 - T(6) &= 5 + 4^3 + 2 - 1 \\
&&= 54 + 3 \times 2 + 10 \\
&:= 9 \times (8 + 7) - 65 &= 4^3 + T(2 + 1) \\
&&= (4 + T(3)/2) \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{71} &:= T(12)/3 + 45 &= 67 + T(8)/9 \\
&:= T(12) - 3 - 4 &= 5 + 67 + 8 - 9 \\
&:= (9 - 8) \times (76 - 5) &= T(T(4)) + T(3 + 2) + 1 \\
&&= T(T(4)) + 3 \times 2 + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{72} &:= 12 \times T(3) &= T(4) \times 5 - 67 + 89 \\
&:= 123 - 45 - 6 &= (-T(7) + T(8)) \times 9 \\
&:= (12 + T(3)) \times 4 &= 5 - 67 \times (8 - 9) \\
&:= 98 - 76 + 5 \times T(4) &= T(3) \times (2 + 10) \\
&:= 9 \times (T(8) - T(7)) &= T(6) + 5 + 43 + 2 + 1 \\
&&= T(6) + 54 - 3 + 21 \times 0
\end{aligned}$$

$$\begin{aligned}
73 &:= -1 + 23 + 45 + 6 = T(7) + T(8) + 9 \\
&:= 12 + T(3) + T(T(4)) = 56/7 \times 8 + 9 \\
&:= 9 + T(8) + T(7) = 65 + 4 + 3 + 2 - 1 \\
&= (6 + 54)/3 - 2 + T(10) \\
&:= 9 \times 8 + 7 - 6 = (5 - T(4 \times 3)) \times (-2 + 1) \\
&= 54 + 3^2 + 10 \\
&:= 9 - 8 + 7 + 65 = T(4) + 3 \times 21 \\
&= 4 \times 32 - T(10)
\end{aligned}$$

$$\begin{aligned}
74 &:= 1 \times T(2 \times T(3)) - 4 = 56/T(7) + 8 \times 9 \\
&:= 1 + 2 \times 34 + 5 = T(6 + 7) - 8 - 9 \\
&:= 1 \times 23 + 45 + 6 = T(T(7) + 8)/9 \\
&:= 98/7 + 6 + 54 = T(T(3)) - 2 + T(10) \\
&:= T(9) + T(8) - 7 = 65 - 4 \times 3 + 21 \\
&= 65 + 4 - 3 - 2 + 10 \\
&:= (9 + T(T(8) - 7))/6 = T(5) - 4 + 3 \times 21 \\
&= T(T(5) - 4) - 32 - 10 \\
&:= 9 \times (8 - 7) + 65 = -4 + T(T(3) \times 2) \times 1 \\
&= 4^{T(3)/2} + 10
\end{aligned}$$

$$\begin{aligned}
75 &:= T(12) - 3 = 45 + 67 + 8 - T(9) \\
&:= T(1 + 23)/4 = 5 \times (6 \times (-7 + 8) + 9) \\
&:= T(12 + 3) - 45 = 6 + 78 - 9 \\
&:= 12 + 3 + 4 + 56 = T(7 + 8) - T(9) \\
&:= -T(9) + T(8 + 7) = 6 + 5 + 43 + 21 \\
&:= 98/7 + 65 - 4 = -3 + T(2 + 10) \\
&:= -9 + 8 + 76 = (-5 + 43) \times 2 - 1 \\
&= 54/3 + 2 + T(10) \\
&:= 98 + 7 - 6 \times 5 = T(4 \times 3) - 2 - 1 \\
&= 4 \times (3 + 2) + T(10)
\end{aligned}$$

$$\begin{aligned}
76 &:= 12 \times T(3) + 4 = 56 - 7 + T(8) - 9 \\
&:= 9 + 8 \times 7 + 6 + 5 = T(4 \times 3) - 2 \times 1 \\
&= 43 \times 2 - 10 \\
&:= 98 - 76 + 54 = T(3 \times 2) + T(10)
\end{aligned}$$

$$\begin{aligned}
77 &:= (9 - 8) \times 7 \times (6 + 5) = T(4 \times 3) - 2 + 1 \\
&= T(T(4)) + 32 - 10 \\
&:= 98 - 7 + 6 - 5 \times 4 = T(T(3) \times 2) - 1 \\
&:= T(12) + (3 - 4)^5 = 67 + T(T(8)/9) \\
&:= T(12) + 3 - 4 = (T(5) + 678)/9 \\
&:= T(T(T(1 + 2)))/3 = 4 + 5 + 67 - 8 + 9
\end{aligned}$$

$$\begin{aligned}
\mathbf{78} &:= T(12) &&= 34 - 5 - 6 + T(7) + T(8) - 9 \\
&:= T(1 \times 2 \times T(3)) &&= 4 \times 56 + 7 - T(8 + 9) \\
&:= 1 \times T(2^3 + 4) &&= 5 - 6 + 7 + 8 \times 9 \\
&:= 123 - 45 &&= T(6 + 7 + 8 - 9) \\
&:= T(-9 + 8 + 7 + 6) &&= 54 + 3 + 21 \\
&:= (9 + 8 \times 7) \times 6/5 &&= T(4 \times 3) \times (2 - 1) \\
&&&= T(4 \times 3) + 21 \times 0 \\
&:= 9 - 8 + 76 + 5 - 4 &&= T(T(3) \times 2 \times 1) \\
&&&= T(T(3)) + 2 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{79} &:= 1 + T(2 \times T(3)) &&= -4 \times (56 - 78) - 9 \\
&:= T(12) - 3 + 4 &&= -5 + 67 + 8 + 9 \\
&:= 1 + 2 \times (34 + 5) &&= 6 \times T(7) - 89 \\
&:= -9 + (87 - 65) \times 4 &&= T(T(3) \times 2) + 1 \\
&:= 98/7 + 65 &&= T(4 \times 3) + 2 - 1 \\
&&&= 4 \times 3 \times 2 + T(10) \\
&:= T(9) - 8 + 7 \times 6 &&= T(5) + 43 + 21 \\
&&&= 54 + T(3 + 2) + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{80} &:= 12/3 \times 4 \times 5 &&= 6 \times T(7 + 8)/9 \\
&:= 98 - (7 + 65)/4 &&= ((T(3) + 2) \times 10) \\
&:= T(9) + 8 \times 7 - T(6) &&= 54 \times 3/2 - 1 \\
&&&= 5 \times 4 + 3 \times 2 \times 10 \\
&:= 98 - 7 - 6 - 5 &&= T(4 \times 3) + 2 \times 1 \\
&&&= (4 + T(3) - 2) \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{81} &:= T(12) + 3 &&= T(4) + 5 + 67 + 8 - 9 \\
&:= 1 \times 23 \times 4 - 5 - 6 &&= 7 + T(T(8))/9 \\
&:= T(9) + T(8) &&= T(7) \times 6 - 54 - 32 - 1 \\
&:= -9 + 8 + 7 + 65 + T(4) &&= 3 + T(2 + 10) \\
&:= (9 - 8) \times 76 + 5 &&= T(4 \times 3) + 2 + 1 \\
&&&= T(4 + 3^2) - 10 \\
&:= T(9) + 8 + T(7) &&= -6 + 54 + 32 + 1 \\
&&&= T(6) + 5 + 43 + 2 + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{82} &:= T(12) + 3 - 4 + 5 &&= T(6) - T(7) + 89 \\
&:= T(9) + T(8) + 7 - 6 &&= 54 \times 3/2 + 1 \\
&:= -9 \times T(8) + T(T(7)) &&= 6 + 54 + T(3 \times 2) + 1 \\
&&&= 6 + 54 + 32 - 10 \\
&:= 9 - 8 + 76 + 5 &&= 4 + T(T(3) \times 2) \times 1 \\
&&&= T(4) + T(3) \times (2 + 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{83} &:= 1 \times 2 + 3^4 &&= 56 + T(7) + 8 - 9 \\
&:= 1 \times 23 + 4 \times T(5) &&= -T(T(6)/7) + 89 \\
&:= 12 - 34 + 5 \times T(6) &&= T(7) + T(T(T(8)/9)) \\
&:= 98 + (-7 + 6) \times T(5) &&= 4 \times T(3 \times 2) - 1 \\
&&&= -4 + 32 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{84} &:= T(12) + T(3) &&= 4 + 56 + 7 + 8 + 9 \\
&:= 9 + 8 + 7 + 6 + 54 &&= T(3) + T(2 + 10) \\
&:= 98/7 \times 6 &&= (5 - 4 + 3) \times 21 \\
&&&= 54 \times 3 - T(2 + 10) \\
&:= 98 + 7 - 6 - T(5) &&= 4 \times T(3 \times 2) \times 1 \\
&&&= (4 + 3) \times (2 + 10)
\end{aligned}$$

$$\mathbf{85} := T(12) + 3 + 4 = 56 + T(7) - 8 + 9$$

$$\begin{aligned}
\mathbf{86} &:= 1 \times 2 + T(T(3)) \times 4 = 5 - 6 + 78 + 9 \\
&:= 1^2 \times 3^4 + 5 &&= T(6) - 7 + 8 \times 9 \\
&:= 9 + 8 \times 7 + T(6) &&= 54 + 32 \times 1
\end{aligned}$$

$$\begin{aligned}
\mathbf{87} &:= T(1 + 2) + 3^4 &&= -56/T(7) + 89 \\
&:= 1 \times 23 \times 4 - 5 &&= 6 \times 7 + T(8) + 9 \\
&:= -9 + 8 + T(7) + 6 + 54 &&= 32 + T(10) \\
&:= 9 + T(8) + 7 \times 6 &&= 54 + 32 + 1 \\
&:= 9 + 87 + 6 - T(5) &&= 43 \times 2 + 1
\end{aligned}$$

$$\begin{aligned}
\mathbf{88} &:= 12 \times 3 - 4 + 56 &&= 7 + T(8) + T(9) \\
&:= (9 - 8) \times T(7) + 6 + 54 &&= T(T(3) \times 2) + 10 \\
&:= T(9) + T(8) + 7 &&= 65 - T(4) + 32 + 1 \\
&&&= 65 + 43 - 2 \times 10 \\
&:= -9 - 8 + T(-7 + T(6)) &&= T(T(5)) + 4 - T(3) \times T(2 + 1) \\
&&&= T((5 + 4 - 3) \times 2) + 10 \\
&:= 9 + 8 + 76 - 5 &&= T(T(4)) + 32 + 1 \\
&&&= 4 \times (32 - 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{89} &:= T(12) + T(T(3)) - T(4) = 5 + 67 + 8 + 9 \\
&:= (9 + 876 + 5)/T(4) &&= -T(T(3)) + 2 \times T(10) \\
&:= 9 + 8 + 7 + 65 &&= T(4) \times 3^2 - 1
\end{aligned}$$

$$\begin{aligned}
\mathbf{90} &:= (12 - 3) \times T(4) = 5 + 6 + 7 + 8 \times 9 \\
&:= T(12 - 3) + 45 = -6 + 7 + 89 \\
&:= 98 - 7 - 6 + 5 &&= T(4 + 3^2) - 1 \\
&&&= (4 + 3 + 2) \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{91} &:= T(T(12)/T(3)) = T((45 - 6 + 78)/9) \\
&:= -1 + 23 \times 4 = 56/T(7) + 89 \\
&:= (1 + 23) \times 4 - 5 = T(6 - 7 \times (8 - 9)) \\
&:= (9 - 8) \times T(7 + 6) = 5 + 43 \times 2 \times 1 \\
&= 54 \times 3/2 + 10 \\
&:= 98 - 7 \times (6 - 5) = T(4 + 3^2) \times 1 \\
&= 4 + 32 + T(10) \\
&:= T(98 - 76 - 5 - 4) = T(T(3) \times 2 + 1) \\
&= T(3)^2 + T(10) \\
\\
\mathbf{92} &:= 1 \times 23 \times 4 = (T(5) + 6)/7 + 89 \\
&:= T(12) + 3 - 4 + T(5) = T(6)/7 + 89 \\
&:= 9 - 8 + T(7 + 6) = 5 + 43 \times 2 + 1 \\
&= (54 - 3) \times 2 - 10 \\
&:= 98 - 7 + 6 - 5 = T(4 + 3^2) + 1 \\
&= 4 \times (3 + 2 \times 10) \\
\\
\mathbf{93} &:= 9 + 8 + 76 = 54 \times T(3) - T(21) \\
&= 5 + 4 \times (32 - 10) \\
&:= 98 \times (7 - 6) - 5 = T(T(4) + 3) + 2 \times 1 \\
&= 4 - T(T(3)) + 2 \times T(10) \\
\\
\mathbf{94} &:= 1 + 2 + T(3 + T(4)) = 5 - (6 - 7) \times 89 \\
&:= 1 - 23 - 4 + T(T(5)) = 67 + T(8) - 9 \\
&:= 98 + 7 - 6 - 5 = T(T(4) + 3) + 2 + 1 \\
&= 4 + 3^2 \times 10 \\
&:= 9 \times 8 + T(7) - 6 = -5 + T(4 \times 3) + 21 \\
&= T(5) + 43 + T(-2 + 10) \\
\\
\mathbf{95} &:= T(12) + T(T(3)) - 4 = 5 - 6 + 7 + 89 \\
&:= -9 + 8 \times (7 + 6) = (5 + 43) \times 2 - 1 \\
&= (T(5) + 4) \times (-3 - 2 + 10) \\
&:= 9 + 87 - 6 + 5 = 4 + T(T(3) \times 2 + 1) \\
&= 4 + T(T(3)/2 + 10) \\
\\
\mathbf{96} &:= 1 \times 2 \times (3 + 45) = 6 \times T(7) - 8 \times 9 \\
&:= -9 \times (8 + 7) + T(T(6)) = (5 + 43) \times 2 \times 1 \\
&= 54 + 32 + 10 \\
\\
\mathbf{97} &:= T(1 + 2) + T(3 + T(4)) = 56/7 + 89 \\
&:= 1 \times 23 \times 4 + 5 = 6 \times 7 + T(T(T(8)/9)) \\
&:= 9 + (87 - 65) \times 4 = T(T(3)) \times 2 + T(10) \\
&:= 98 - (7 - 6)^5 = (T(T(4)) - T(3)) \times 2 - 1 \\
&= T(T(4)) + 32 + 10
\end{aligned}$$



$$\begin{aligned}
\mathbf{98} &:= -1 \times 2 \times (T(3) - T(T(4))) = 5 + 6 + 78 + 9 \\
&:= 12 + 3^4 + 5 &= -T(6) + 7 \times (8 + 9) \\
&:= 98 \times (7 - 6) &= 5^4 - T(32) + 1 \\
& &= T(5) - 4 + 32 + T(10) \\
&:= 9 + 8 + 76 + 5 &= (T(T(4)) - T(3)) \times 2 \times 1 \\
& &= -4 \times 3 + 2 \times T(10) \\
\\
\mathbf{99} &:= T(12) + T(T(3)) = 45 - 6 \times (7 - 8) \times 9 \\
&:= 1 - 2 \times (T(3) - T(T(4))) = 5 \times 6 + 78 - 9 \\
&:= T(12)/3 \times 4 - 5 &= 6 \times (7 + 8) + 9 \\
&:= 98 + 7 - 6 &= 54 + T(3^2) \times 1 \\
&:= 98 + (7 - 6)^5 &= T(4 \times 3) + 21 \\
&:= 98 + (7 - 6)^{54} &= T(T(3)) + T(2 + 10) \\
\\
\mathbf{100} &:= T(12/3) \times T(4) = 5 + (6 + 7) \times 8 - 9 \\
&:= (1 + 23 - 4) \times 5 &= T(6) + 7 + 8 \times 9 \\
&:= T(12) - 34 + 56 &= T(7) + 8 \times 9 \\
&:= (-9 - 8 + T(7) - 6 + 5) \times T(4) = T(3^2) + T(10) \\
&:= (98/7 + 6) \times 5 &= T(4)^{3-2+1} \\
& &= 43 + 2 + T(10) \\
&:= 9 \times 8 + 7 + T(6) &= 5 \times 4 \times (3 + 2) \times 1 \\
& &= 5 \times 4 \times (T(3 + 2) - 10) \\
&:= 9 \times 8 + T(7) &= 65 + 4 + 32 - 1 \\
& &= 65 + 43 + 2 - 10 \\
\\
\mathbf{101} &:= T(T(12)/T(3)) + T(4) = 56 + T(7) + 8 + 9 \\
&:= (1 + 23) \times 4 + 5 &= T(T(6) - 7) - T(8)/9 \\
&:= -123 + 4 \times 56 &= 7 \times 8 + T(9) \\
&:= T(9) + 8 \times 7 &= 65 + 4 + 32 \times 1 \\
&:= T(9) + 8 \times 7 \times (6 - 5) &= (4 + T(3))^2 + 1 \\
& &= T(4 + 3^2) + 10 \\
&:= T(9) + 8 \times (T(7) - T(6)) = (54 - 3) \times 2 - 1 \\
& &= 5 + 43 \times 2 + 10 \\
\\
\mathbf{102} &:= (1 + 2) \times 34 = 5 \times (6 + 7) - 8 + T(9) \\
&:= 1 \times 2 \times (T(3) + 45) = 6 + 7 + 89 \\
&:= 12 + 34 + 56 &= T(7) + T(T(8))/9 \\
&:= 9 + 87 + 6 &= (54 - 3) \times 2 \times 1 \\
& &= 5 + T(4) + 32 + T(10) \\
&:= 98 - 7 + 6 + 5 &= (T(T(4)) - T(T(3))) \times (2 + 1) \\
& &= 4 \times T(3) + T(2 + 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{103} &:= 12 + T(3 + T(4)) = 56 + 7 \times 8 - 9 \\
&:= 123 - 4 \times 5 &= T(6) - 7 + 89 \\
&:= -9 + T(8) + 76 &= (54 - 3) \times 2 + 1 \\
&:= 98 \times (7 - 6) + 5 &= (T(T(4)) - 3) \times 2 - 1 \\
&&= -4 - 3 + 2 \times T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{104} &:= T(12)/3 \times 4 &= 5 + 6 \times (7 + 8) + 9 \\
&:= 123 - 4 - T(5) &= 67 - 8 + T(9) \\
&:= 98/7 \times 6 + 5 \times 4 &= -T(3) + 2 \times T(10) \\
&:= T(9 + 8) - T(7) - T(6) &= 5 + T(4 \times 3) + 21 \\
&&= 54 + (3 + 2) \times 10 \\
&:= 98 + 7 - 6 + 5 &= T((4 + 3) \times 2) - 1 \\
&&= 4 \times (T(3) + 2 \times 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{105} &:= T(-1 + T(2 + 3)) = (4 + T(5)) \times 6 + (7 - 8) \times 9 \\
&:= 1 \times T(2 \times (3 + 4)) = T(5) - 6 + 7 + 89 \\
&:= T(12) + 3 \times (4 + 5) = T(6 + 7 - 8 + 9) \\
&:= 98 + T(7) - T(6) = 5 \times (4 - 3) \times 21 \\
&&= 5 \times 43 - 2 \times T(10) \\
&:= 98 + 7 \times (6 - 5) = 4 \times T(T(3)) + 21 \\
&&= T(4 \times (3 - 2) + 10) \\
&:= 98 - 7 - 6 + 5 \times 4 = T(T(3 + 2) - 1) \\
&&= T(T(3) - 2 + 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{106} &:= T(12) + T(3 + 4) = T(5) \times (6 + 7) - 89 \\
&:= 1 + T(23 - 4 - 5) = 6 + T(7) + 8 \times 9 \\
&:= 98 + 7 + 6 - 5 = T((4 + 3) \times 2) + 1 \\
&&= -4 + T(T(3 + 2)) - 10 \\
&:= 9 \times 8 + T(7) + 6 = T(T(5)) + 4 + 3 - 21 \\
&&= (5 + 43) \times 2 + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{107} &:= T(12) + 34 - 5 = 6 + 7 \times 8 + T(9) \\
&:= 9 + 87 + 6 + 5 = T(T(4)) - T(3)/2 + T(10) \\
&:= 9 + T(8) - 7 + 65 + 4 = -3 + 2 \times T(10) \\
&:= T(9) + 8 \times 7 + 6 = T(T(5)) - 4 - T(3) - 2 - 1 \\
&&= 5^4 - T(32) + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{108} &:= (1 + 2)^3 \times 4 = 5 + T(6) - 7 + 89 \\
&:= 123 - T(4) - 5 = T(6) + 78 + 9 \\
&:= (9 - 8 + 7 - 6) \times 54 = 3 \times T(-2 + 10) \\
&:= 9 + 8 + T(7 + 6) = 54 \times (3 - 2 + 1) \\
&:= T(9) - 8 + 76 - 5 = 4 \times (T(3) + 21)
\end{aligned}$$

$$\begin{aligned}
\mathbf{109} &:= T(12) + T(T(3)) + T(4) = 5 \times 6 + 7 + 8 \times 9 \\
&:= 1 \times 2^{T(3)} + 45 &= T(6) + 7 + T(8) + T(9) \\
&:= 123 - 4 \times 5 + 6 &= T(7) + T(8) + T(9) \\
&:= T(9) + T(8) + T(7) &= 65 + 43 + 2 - 1 \\
&:= T(9) + T(8) + 7 + T(6) &= T(T(5)) + 4 + T(3) - 21 \\
& &= 54 \times 3 + 2 - T(10) \\
&:= T(9) - 8 + 7 + 65 &= T(4 + T(3)) \times 2 - 1 \\
& &= 4 + T(T(3)) - 2 + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{110} &:= T(12+3) - T(4) = 5 \times (-67 + 89) \\
&:= (-12 + 34) \times 5 &= T(T(T(6)/7)) + 89 \\
&:= 98 + 7 + 6 - 5 + 4 &= T(T(3+2)) - 10 \\
&:= (98 - 76) \times 5 &= T(T(4)) \times (3 - 2 + 1) \\
& &= (4 - 3) \times 2 \times T(10) \\
&:= -T(9) + 8 + 7 \times T(6) &= 5 \times (43 - 21) \\
& &= 5 \times 4^3 - 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{111} &:= 1 + T(T(2+3)) - T(4) = 56 + T(7) + T(8) - 9 \\
&:= T(12+3) - 4 - 5 &= 6 \times (T(7) - 8) - 9 \\
&:= 123 + 4 + 5 - T(6) &= T(7+8) - 9 \\
&:= -9 + T(8+7) &= 65 + 43 + 2 + 1 \\
& &= 65 + 4 + 32 + 10 \\
&:= 98 + 7 + 6 &= -T(5 \times 4) + 321 \\
& &= T(5) + 43 \times 2 + 10 \\
&:= 9 \times 8 + T(7) + 6 + 5 &= T(4 + T(3)) \times 2 + 1 \\
& &= 4 - 3 + 2 \times T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{112} &:= T(12) + 34 = 5 \times 6 - 7 + 89 \\
&:= 123 + 4 - T(5) &= 67 + T(8) + 9 \\
&:= 12 + (T(34) + 5)/6 &= T(7) \times T(8)/9 \\
&:= 98 - 7 + T(6) &= -T(5) + 4 \times 32 - 1 \\
& &= (54 - 3) \times 2 + 10 \\
&:= 9 + 87 + T(6) - 5 &= 4 \times T(3 \times 2 + 1) \\
& &= -4 + T(3) + 2 \times T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{113} &:= 123 - T(4) = 5 + T(6) + 78 + 9 \\
&:= T(12) + 3 \times T(4) + 5 &= (6 + 7) \times 8 + 9 \\
&:= T(9) - 8 + 76 &= (54 + 3) \times 2 - 1 \\
&:= 98 - (-7 + 6) \times T(5) &= T(4) \times T(3) - 2 + T(10) \\
&:= 9 + 8 + 76 + 5 \times 4 &= 3 + 2 \times T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{114} &:= 98 + 7 - 6 + T(5) = (-4 + T(3)) \times (2 + T(10)) \\
&:= 9 \times 8 + 7 \times 6 &= (54 + 3) \times 2 \times 1 \\
& &= 54 \times T(3) - 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{115} &:= -1 + T(T(2+3)) - 4 = -5 + 67 + 8 + T(9) \\
&:= 1 + 234 - T(T(5)) = 6 \times T(7) - 8 - T(9) \\
&:= 98 + T(7) - 6 - 5 = T(T(4) + T(3)) - 21 \\
&= T((4+3) \times 2) + 10 \\
&:= -T(9) - 8 + T(7) \times 6 = (54+3) \times 2 + 1 \\
&= 5^{4-3+2} - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{116} &:= T(12+3) - 4 = 56 + 7 + 8 + T(9) \\
&:= 1 + 23 \times (T(4) - 5) = 6 \times 7 + T(T(8))/9 \\
&:= 98 + (7+65)/4 = T(3) + 2 \times T(10) \\
&:= (T(T(9) - 8) - 7)/6 = (T(5) + 43) \times 2 \times 1 \\
&= T(T(5) + 4 - 3) - 2 \times 10 \\
&:= 98 + 7 + 6 + 5 = -T(4) + T(3) \times 21 \\
&= T(T(4) + T(3)) - 2 \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{117} &:= T(12) \times T(3)/4 = 56 - T(7) + 89 \\
&:= T(12) + 34 + 5 = T(6) + 7 + 89 \\
&:= 123 + (4-5) \times 6 = T(7) + 89 \\
&:= 9 + 87 + T(6) = 54 + 3 \times 21 \\
&:= 9 + T(8) + 7 + 65 = (T(T(4)) + 3) \times 2 + 1 \\
&= 4^3 - 2 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{118} &:= -1 + 2^{T(3)} + T(T(4)) = 5 + (6+7) \times 8 + 9 \\
&:= 123 - T(4) + 5 = T(6+7) + T(8) - 9 \\
&:= -9 + T(8) + T(7+6) = (-5+4^3) \times 2 \times 1 \\
&:= T(9) - 8 + 76 + 5 = T(T(4)) + 3 \times 21 \\
&= 4 \times 32 - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{119} &:= -1 + T(T(2+3)) = T(4) - 5 \times (6 - T(7)) + 8 - 9 \\
&:= 1^2 \times T(34)/5 = (-T(6) + T(7)) \times (8+9) \\
&:= -1 \times 2 + T(3) + T(4) + 5 \times T(6) = 7 \times (8+9) \\
&:= (9-8) \times 7 \times (6+T(5)-4) = T(T(3+2)) - 1 \\
&:= (9+8) \times 7 = -6 - 5 + 4 + T(3) \times 21 \\
&= 6 - 5 + 4 \times 32 - 10 \\
&:= T(9+8) - T(7) - 6 = 5 \times 4 \times 3 \times 2 - 1 \\
&= 54 + T(T(3+2)) - T(10) \\
&:= (9+8) \times 7 \times (6-5) = T(4) \times T(3) \times 2 - 1 \\
&= -T(T(4) + 3) + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{120} &:= T(12+3) &&= 45+6+78-9 \\
&:= 12 \times (T(3)+4) &&= T(T(5))+6-7-8+9 \\
&:= (12+3 \times 4) \times 5 &&= 67+8+T(9) \\
&:= 98+T(7)-6 &&= 5 \times 4 \times (3+2+1) \\
&&&= (5+4-3) \times 2 \times 10 \\
&:= T(9+8-7)+65 &&= T((4+3) \times 2+1) \\
&&&= 4 \times T(3)/2 \times 10 \\
&:= 98+76-54 &&= T(T(3 \times 2-1)) \\
&&&= T(3) \times 2 \times 10 \\
\mathbf{121} &:= 9+T(8)+76 \times (5-4) &&= T(T(3+2))+1 \\
&:= 9+T(8)+76 &&= 5 \times 4 \times 3 \times 2+1 \\
&:= 1+2 \times T(3) \times T(4) &&= 56+7 \times 8+9 \\
&:= 1+T(T(2+3)) &&= 45-6-7+89 \\
&:= 123-T(4)/5 &&= (T(6)-7) \times 8+9 \\
&:= 98-7+6 \times 5 &&= T(4) \times T(3) \times 2+1 \\
&&&= 43+T(2+10) \\
\mathbf{122} &:= 1 \times 2 \times (T(3)+T(T(4))) &&= 5-6+78+T(9) \\
&:= 123+4-5 &&= T(T(6))/7+89 \\
&:= 9+87+T(6)+5 &&= -4+T(3) \times 21 \\
&&&= 4 \times 3+2 \times T(10) \\
&:= T(9)+8 \times 7+T(6) &&= -5+4 \times 32-1 \\
&&&= T(T(5))+4+T(3)+2-10 \\
\mathbf{123} &:= -1+T(T(2+3))+4 &&= (-5+6) \times 78+T(9) \\
&:= 123 \times (-4+5) &&= 6+T(7)+89 \\
&:= 123 \times (4-5)^6 &&= 78+T(9) \\
&:= 9+T(8+7)-6 &&= -5+4 \times 32 \times 1 \\
&&&= 5+4 \times 32-10 \\
&:= T(9)+8+(-7+T(6)) \times 5 &&= 4+T(T(3+2))-1 \\
&&&= T(4)+3+2 \times T(10) \\
\mathbf{124} &:= T(12+3)+4 &&= -56+(T(7)-8) \times 9 \\
&:= T(9)+8+76-5 &&= 4 \times (32-1) \\
\mathbf{125} &:= 1+T(T(2+3))+4 &&= 56+78-9 \\
&:= 123+T(4)/5 &&= 6+7 \times (8+9) \\
&:= 123-4-T(5)+T(6) &&= -T(7)+T(8+9) \\
&:= T(9+8)-T(7) &&= 654-T(32)-1 \\
&&&= 6 \times 5 \times 4-3-2+10 \\
&:= (9+8) \times 7+6 &&= 5^4/(3+2) \times 1 \\
&&&= 5 \times (4+32)-T(10) \\
&:= 98+T(7)-6+5 &&= 4+T(T(3+2))+1 \\
&&&= 4 \times T(3^2)-T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{126} &:= T(1+2) \times T(T(3)) = 45 - 6 + 78 + 9 \\
&:= T(1 + T(2+3)) - T(4) = 5 \times 6 + 7 + 89 \\
&:= T(12) + 3 + 45 = 6 \times T(7+8-9) \\
&:= 9 + 8 \times 7 + 65 - 4 = T(3) \times 21 \\
&:= 98 + T(7) = 654 - T(32) \times 1 \\
&= 6 \times 5 + 43 \times 2 + 10 \\
&:= 98 + 7 + T(6) = (5+4-3) \times 21 \\
&= 5 + 43 + T(2+10) \\
&:= 9 + 87 + 6 \times 5 = -T(4) + T(T(3+2) + 1) \\
&= T(T(4) + 3 \times 2) - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{127} &:= 123 + 4 = T(5+6) - T(7) + 89 \\
&:= 98 + T(7) + 6 - 5 = 4 \times 32 - 1
\end{aligned}$$

$$\begin{aligned}
\mathbf{128} &:= 1 \times 2^{3+4} = 5 + 6 + T(7) + 89 \\
&:= 123 + T(4) - 5 = T(6+7) - 8 + T(9) \\
&:= (9+8) \times 7 - 6 + T(5) = 4 \times 32 \times 1 \\
&:= T(9) - 8 + T(7+6) = (-5 + T(4))^3 + 2 + 1 \\
&= 5 \times T(4+3) - 2 - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{129} &:= 1 + 2^{3+4} = 5 \times T(6) + 7 + 8 + 9 \\
&:= T(12) + T(3) + 45 = 6 + 78 + T(9) \\
&:= 12 + 3 \times (45 - 6) = T(7+8) + 9 \\
&:= 9 \times 8 + 7 \times 6 + T(5) = 43 \times (2+1) \\
&:= 9 + T(8+7) = 65 + 43 + 21 \\
&= (T(6) + T(5)) \times 4 - 3 - 2 - 10 \\
&:= T(9) + 8 + 76 = 5 + 4 \times (32 - 1) \\
&= -T(T(T(5))/T(4)) - 3 + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{130} &:= T(12+3) + T(4) = (5+6) \times 7 + 8 + T(9) \\
&:= (-1 + 23 + 4) \times 5 = T(6) \times 7 - 8 - 9 \\
&:= (9-8) \times 76 + 54 = T(T(3+2)) + 10 \\
&:= -9 - 8 + 7 \times T(6) = 5 \times (T(4+3) - 2) \times 1 \\
&= 5 \times 4 \times 3 \times 2 + 10 \\
&:= 9 + 8 \times 7 + 65 = 4 + T(3) \times 21 \\
&= (4 + 3^2) \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{131} &:= 1 + T(T(2+3)) + T(4) = T(5+6) + 7 \times 8 + 9 \\
&:= 12 + T(34)/5 = 6 \times 7 + 89 \\
&:= 9 - 8 + 76 + 54 = T(T(3)) + 2 \times T(10) \\
&:= T(9+8) - T(7) + 6 = T(T(5)) + 4 + 3 \times 2 + 1 \\
&= 5 + T(4) + T(3) + 2 \times T(10) \\
&:= T(9) + 87 - 6 + 5 = T(4) + T(T(3+2)) + 1 \\
&= T(4 \times 3) - 2 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{132} &:= (12 + T(T(3))) \times 4 = T(5) + T(6) + 7 + 89 \\
&:= 123 + 4 + 5 = T(6) + T(7 + 8) - 9 \\
&:= (T(9) + 87) \times (6 - 5) = 4 \times (32 + 1) \\
&:= T(9) + 87 = 65 + 4 + 3 \times 21 \\
&= 6 \times (54 + 3) - 210 \\
&:= 98 + T(7) + 6 = 5 + 4 \times 32 - 1 \\
&= T(T(5)) \times (4 - 3) + 2 + 10 \\
\mathbf{133} &:= 123 + T(4) = T(5 \times 6) + T(7) - 8 \times T(9) \\
&:= 12 - 3 + 4 + T(T(5)) = T(6) + T(7) \times T(8)/9 \\
&:= 9 + 8 + 7 + T(6) \times 5 + 4 = T(T(3) \times 2) + T(10) \\
&:= 9 \times 8 + 76 - T(5) = T(T(4) + T(3)) - 2 - 1 \\
&= T(4 + T(3)) + T(2 + 10) \\
\mathbf{134} &:= -1 \times 2 + T(T(3) + T(4)) = 5 + 6 + 78 + T(9) \\
&:= 98 + T(7 + 6 - 5) = T(T(4) + T(3)) - 2 \times 1 \\
&= (4 \times 3)^2 - 10 \\
\mathbf{135} &:= -1 + T(2^{T(3)}/4) = 56 + 7 + 8 \times 9 \\
&:= 1^2 \times 3 \times 45 = T(T(6)) - 7 - 89 \\
&:= (9 \times (8 - 7) + 6) \times (5 + 4) = T(T(T(3)) - 2) - T(10) \\
&:= 9 \times (8 + 7) = 6 \times 5 \times 4 + T(3 \times 2 - 1) \\
&= 6 \times 5 \times 4 + T(-3 - 2 + 10) \\
&:= 98 + 7 + 6 \times 5 = T(4 + T(3) \times 2) - 1 \\
&= T(4 \times 3) + 2 + T(10) \\
&:= 9 + T(8 + 7) + 6 = T(54/3 - 2) - 1 \\
&= 5^{4-3+2} + 10 \\
\mathbf{136} &:= T(1 + T(2 + 3)) = (45 \times T(6))/7 - 8 + 9 \\
&:= T(12/3 \times 4) = 5 + 6 \times 7 + 89 \\
&:= 1^2 + 3 \times 45 = T(6 - 7 + 8 + 9) \\
&:= 12 + 34 + T(5) \times 6 = T(7 - T(8) + T(9)) \\
&:= T(T(9) - T(8) + 7) = 6 + T(T(5)) + T(4) + 3 - 2 - 1 \\
&= 654 - T(32) + 10 \\
&:= T((9 + 87)/6) = T(54/3 - 2) \times 1 \\
&= -5 + 43 \times 2 + T(10) \\
&:= (98 \times 7 - 6)/5 = T(4) + T(3) \times 21 \\
&= T(4 \times 3/2 + 10) \\
&:= 9 \times 8 - 7 + T(6) - 5 \times T(4) = T(T(3 + 2) + 1) \\
&= T(3 \times 2 + 10) \\
\mathbf{137} &:= 1 + T(2^{T(3)}/4) = 56 + T(7) + 8 + T(9) \\
&:= 1 \times 2 + 3 \times 45 = T(6) \times 7 - T(T(8)/9) \\
&:= 98 + T(7) + 6 + 5 = T(4 + T(3) \times 2) + 1 \\
&= 4 \times T(T(3)) - 2 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{138} &:= T(12) + T(3) \times T(4) = 56 - 7 + 89 \\
&:= 123 + T(4) + 5 &= T(6) + T(7) + 89 \\
&:= 9 + T(8) + T(7) + 65 = T(T(4) + T(3)) + 2 \times 1 \\
& &= 4 \times 32 + 10 \\
&:= T(9) + 87 + 6 &= (5 + 4^3) \times 2 \times 1 \\
& &= 5 \times 4 \times 3 + T(2 + 10) \\
\mathbf{139} &:= T(12) + T(3) + T(T(4)) = T(T(5))/6 \times 7 + 8 - 9 \\
&:= T(9 + 8) + 7 - T(6) &= 5 \times (-4 + 32) - 1 \\
&:= T(9) + T(8) + T(7) + 6 \times 5 = T(T(4) + T(3)) + 2 + 1 \\
& &= 4 \times T(3 \times 2) + T(10) \\
\mathbf{140} &:= T(1 + T(2 + 3)) + 4 = 5 + 6 + T(7 + 8) + 9 \\
&:= (1 + 23 + 4) \times 5 &= T(6) + 7 \times (8 + 9) \\
&:= 98/7 + 6 + T(T(5)) = 4 \times (T(3)^2 - 1) \\
& &= (4 + 3) \times 2 \times 10 \\
\mathbf{141} &:= -12 + T(T(T(3)) - 4) = -T(5) + 67 + 89 \\
&:= T(1 + 2) + 3 \times 45 &= 6 + (7 + 8) \times 9 \\
&:= -9 + 8 + 7 \times T(6) - 5 = 43 \times 2 + T(10) \\
\mathbf{142} &:= T(1 + 2) + T(T(3) + T(4)) = T(T(5)) - 67 + 89 \\
&:= 123 + 4 + T(5) &= T(T(T(T(6)/7))) - 89 \\
&:= T(T(9) - T(8) + 7) + 6 &= T(5) + 4 \times 32 - 1 \\
& &= 54 \times 3 - 2 \times 10 \\
&:= 98 - 76 + T(T(5)) &= T(T(4) + T(3)) + T(2 + 1) \\
& &= T(T(4)) + 32 + T(10) \\
\mathbf{143} &:= -1 + T(2^3) \times 4 &= 56 + 78 + 9 \\
&:= 123 + 4 \times 5 &= T(6) \times 7 - T(8)/9 \\
&:= -T(9) - T(8) - 7 + T(T(6)) = T(5) + 4 \times 32 \times 1 \\
& &= 5 + 4 \times 32 + 10 \\
\mathbf{145} &:= 1 + T(2^3) \times 4 = 5 \times (T(6) + 7 - 8) + T(9) \\
\mathbf{146} &:= T(1 + T(2 + 3)) + T(4) = T(5) + 6 \times 7 + 89 \\
&:= -1 + 2 \times 3^4 - T(5) &= T(6) \times 7 + 8 - 9 \\
&:= -123 + T(T(4)) \times 5 - 6 = -7 + T(8 + 9) \\
&:= T(9 + 8) - 7 &= 6 + 5 \times (4 + 3 + 21) \\
&:= -9 + 8 + 7 \times T(6) &= 5 \times (4 + T(T(3))) + 21 \\
& &= 5 + 43 \times 2 + T(10) \\
&:= T(9 + 8) - 7 \times (6 - 5) = T(4) + T(T(3 + 2) + 1) \\
& &= -4^3 + 210
\end{aligned}$$



$$\begin{aligned}
147 &:= T(T(1+2)) \times (3+4) = -5+6-7+T(8+9) \\
&:= 12+3 \times 45 = T(6) \times 7 \times (-8+9) \\
&:= (9-8) \times 7 \times (6+T(5)) = (4+3) \times 21 \\
&:= (9-8) \times 7 \times T(6) = T(T(5)) - 4 + 32 - 1 \\
&= -T(5) \times 4 - 3 + 210
\end{aligned}$$

$$\begin{aligned}
148 &:= (1+T(2^3)) \times 4 = 5 \times (6-7) + T(8+9) \\
&:= 123+T(4)+T(5) = 67+T(8)+T(9) \\
&:= 9 \times 8+76 = T(T(5)) - 4 + 32 \times 1 \\
&:= T(9)+87+T(6)-5 = 4 \times (T(3)^2+1) \\
&= T(T(4)+3)+2+T(10)
\end{aligned}$$

$$\begin{aligned}
149 &:= -1+T(2+3) \times T(4) = 5 \times 6+7 \times (8+9) \\
&:= 12 \times 3 \times 4+5 = T(T(6))+7-89 \\
&:= (9+8) \times 7+6 \times 5 = T(4) \times T(3+2) - 1 \\
&:= T(9)+8 \times (7+6) = T(T(5)) - 4 + 32 + 1
\end{aligned}$$

$$\begin{aligned}
150 &:= (12+3) \times T(4) = T(5) \times 6+7+8+T(9) \\
&:= (-1+2) \times 3 \times T(4) \times 5 = T(6)+T(7+8)+9 \\
&:= 9+T(8+7)+T(6) = T(54/3)-21 \\
&:= T(9)+8+T(7)+65+4 = T(3+2) \times 10 \\
&:= 9+8+7+6+T(T(5)) = T(4) \times (-T(3)+21) \\
&= T(4) \times (3+2+10)
\end{aligned}$$

$$\begin{aligned}
151 &:= 1+T(2+3) \times T(4) = -5+67+89 \\
&:= 12 \times (3+T(4))-5 = 6 \times T(7)-8-9 \\
&:= T(9)+8-7+T(6) \times 5 = T(4) \times T(3+2)+1 \\
&:= -9-8+T(7) \times 6 = (54+T(T(3))) \times 2+1 \\
&= 5-4^3+210
\end{aligned}$$

$$\begin{aligned}
152 &:= -1+T(T(2 \times 3-4)) = 56+7+89 \\
&:= 1 \times 2 \times (3^4-5) = 6-7+T(8+9) \\
&:= T(9+8)-7+6 = 5+(4+3) \times 21 \\
&= 54 \times T(3)/2-10 \\
&:= T(9)+T(8)+76-5 = T(-4+T(3 \times 2))-1 \\
&= -T(T(4))-3+210
\end{aligned}$$

$$\begin{aligned}
\mathbf{153} &:= -T(12) + T(T(T(3))) = T(4) + 56 + 78 + 9 \\
&:= -12 + 3 \times T(T(4)) = 5 \times 6 + 78 + T(9) \\
&:= (1+2) \times (T(3) + 45) = (-6+7) \times T(8+9) \\
&:= 12 + 3 \times 45 + 6 = T(7 + T(T(8)/9)) \\
&:= T(9 + T(8) - T(7)) = (-6 + 54 + 3) \times (2 + 1) \\
&:= 98 + 7 - 6 + 54 = T(-3 + 2 \times 10) \\
&:= T(9 + 8) \times (7 - 6) = (54 - 3) \times (2 + 1) \\
&= -54 - 3 + 210 \\
&:= 9 \times 8 + 76 + 5 = -T(4 \times 3) + T(21) \\
&= 43 + 2 \times T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{154} &:= 1 + T(T(2 \times 3) - 4) = 5 \times (6 + 7) + 89 \\
&:= T(12) + 3^4 - 5 = -6 + 7 + T(8 + 9) \\
&:= 98/7 \times (6 + 5) = T(-4 + T(3 \times 2)) + 1 \\
&= (4 \times 3)^2 + 10 \\
&:= T(9 + 8) + 7 - 6 = T(5) \times T(4) + 3 + 2 - 1 \\
&= 54 \times 3 + 2 - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{155} &:= -1 + 2 \times T(3 \times 4) = 5 \times 6 \times 7 - T(T(T(8)/9)) \\
&:= 98 + 7 \times 6 + T(5) = T(4 \times 3) \times 2 - 1 \\
&= -T(4 + T(3)) + 210 \\
&:= -98 + T(T(7) - 6) = 5 \times (4 + 3^{2+1}) \\
&= 5 \times (43 - 2 - 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{156} &:= 12 \times (3 + T(4)) = T(5) + 6 + (7 + 8) \times 9 \\
&:= 9 \times (8 + 7) + T(6) = T(T(5)) + 4 + 32 \times 1 \\
&:= 98 - 7 + 65 = T(4 \times 3) \times 2 \times 1
\end{aligned}$$

$$\begin{aligned}
\mathbf{157} &:= 1 + 2 \times T(3 \times 4) = 56 + 7 \times 8 + T(9) \\
&:= 1 \times 2 \times 3^4 - 5 = (T(6) - 7) \times 8 + T(9) \\
&:= 98 - 7 + T(6 + 5) = T(4 \times 3) \times 2 + 1 \\
&:= T(9) + T(8) + 76 = T(T(5) + 4) - 32 - 1 \\
&= 5 - T(T(4)) - 3 + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{158} &:= -12 + 34 \times 5 = 6 \times T(7) - T(T(8)/9) \\
&:= 9 \times 8 + T(7 + 6) - 5 = 4 \times T(T(3)) \times 2 - 10 \\
&:= T(9) + 8 + T(-7 + T(6)) = (T(5) + 4^3) \times 2 \times 1 \\
&= 5 \times 43 - 2 - T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{159} &:= T(12) + 3^4 = 5 \times (T(6) - 7) + 89 \\
&:= -1 + (-2 + 34) \times 5 = T(6)/7 \times (8 + T(9)) \\
&:= 98 + 76 - T(5) = T(T(4)) \times 3 - T(2 + 1) \\
&= (T(4) + 3)^2 - 10 \\
&:= 98 + 7 - 6 + T(5) \times 4 = 3 \times (-2 + T(10)) \\
&:= 9 \times (-8 + T(7)) - T(6) = 54 \times 3 - 2 - 1 \\
&= -54 + 3 + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{160} &:= (1 + T(2+3)) \times T(4) = T(T(5)) - 6 - 7 + 8 + T(9) \\
&:= (12 \times 3 - 4) \times 5 = -T(6) + T(7) + T(8+9) \\
&:= 12 \times 3 \times 4 - 5 + T(6) = 7 + T(8+9) \\
&:= T(9+8) + T(7) - T(6) = 54 \times 3 - 2 \times 1 \\
&= (54/3 - 2) \times 10 \\
&:= T(9+8) + 7 \times (6-5) = T(4) \times (T(3+2) + 1) \\
&= 4 \times (T(3) - 2) \times 10 \\
&:= T(9+8) + 7 = 6 \times (5+4) \times 3 - 2 \times 1 \\
&= (6+54)/3 \times (-2+10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{161} &:= 1 - (2-34) \times 5 = T(T(6)) - 7 \times T(T(8)/9) \\
&:= -98 + T(7) + T(T(6)) = 54 \times 3 - 2 + 1 \\
&= 5 + (T(4) + 3) \times (2+10) \\
&:= 9 + 87 + 65 = -T(4) + T(-3+21) \\
&= -T(T(4)) + T(3) + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{162} &:= 1 \times 2 \times 3^4 = T(T(5) + 6) - 78 + 9 \\
&:= 12 + 3 \times T(4) \times 5 = 6 \times (T(7) + 8 - 9) \\
&:= T(9) + 87 + 6 \times 5 = T(T(4)) \times 3 - 2 - 1 \\
&:= (-9 + 8 + T(7)) \times 6 = 54 \times 3 \times (2-1) \\
&= 54 \times 3 + 21 \times 0
\end{aligned}$$

$$\begin{aligned}
\mathbf{163} &:= 1 + 2 \times 3^4 = T(T(5)) + 6 \times 7 - 8 + 9 \\
&:= (1 + T(2^3)) \times 4 + T(5) = T(6+7) + 8 \times 9 \\
&:= 9 \times 8 + T(7+6) = 54 \times 3 + 2 - 1 \\
&= T(54/3) + 2 - 10 \\
&:= 98 + (7+6) \times 5 = T(T(4)) \times 3 - 2 \times 1 \\
&= 4 - 3 \times (2 - T(10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{164} &:= 1 - 2 + 3 \times T(T(4)) = 5 + 6 \times T(7) + T(8) - T(9) \\
&:= T(12) + 3^4 + 5 = T(6) \times 7 + 8 + 9 \\
&:= 9 + 8 + 7 \times T(6) = 54 \times 3 + 2 \times 1 \\
&:= 9 - 8 + T(7) \times 6 - 5 = 4 \times (T(T(3)) \times 2 - 1)
\end{aligned}$$

$$\begin{aligned}
\mathbf{165} &:= 1^2 \times 3 \times T(T(4)) = 5 \times 6 \times 7 - T(8) - 9 \\
&:= (1 - 2 + 34) \times 5 = 6 \times (T(7) - 8) + T(9) \\
&:= (1 + 2) \times (3 - 4 + 56) = T(7+8) + T(9) \\
&:= 98 + 7 + 6 + 54 = T(3)/2 \times T(10) \\
&:= T(9) + T(8+7) = 6 + 54 \times 3 - 2 - 1 \\
&= 6 - 54 + 3 + 210 \\
&:= T(T(9) - 8 + 7)/6 = 5 \times (4 \times 3 + 21) \\
&= (5 \times (4 - 3) - 2) \times T(10) \\
&:= 9 \times 8 + T(7) + 65 = T(T(4)) \times 3 \times (2-1) \\
&= T(T(4)) \times 3 + 21 \times 0
\end{aligned}$$

$$\begin{aligned}
166 &:= 1^2 + 3 \times T(T(4)) &&= (5+6) \times 7 + 89 \\
&:= 12 + 34 + T(T(5)) &&= 6 + 7 + T(8+9) \\
&:= T(9+8) + 7 + 6 &&= T(5 \times 4) - T(3^2) + 1 \\
&&&= T(T(5)) + 4 + 32 + 10 \\
&:= T(9) + (8-7)^6 + T(T(5)) &&= T(T(4)) \times 3 + 2 - 1 \\
&&&= T(4 \times 3) \times 2 + 10
\end{aligned}$$

$$\begin{aligned}
167 &:= 1 \times 2 \times 3^4 + 5 &&= 6 \times T(7) + 8 - 9 \\
&:= T(12 + T(3)) - 4 &&= 5 + T(T(6)) - 78 + 9 \\
&:= 987/T(6) + T(T(5)) &&= -4^3 + T(21) \\
&&&= -43 + 210 \\
&:= -9 + 8 + T(7) \times 6 &&= 5 + T(T(4)) \times 3 - 2 - 1 \\
&&&= T(5) - T(T(4)) - 3 + 210
\end{aligned}$$

$$\begin{aligned}
168 &:= 1 \times 2 \times T(T(3)) \times 4 &&= 56 \times (7 - T(8)/9) \\
&:= 123 + 45 &&= T(6) \times (7 - 8 + 9) \\
&:= (9 - 8 + 7) \times T(6) &&= T(54/3) - 2 - 1 \\
&:= -9 + 87 + 6 \times T(5) &&= (T(4) + 3)^2 - 1 \\
&&&= 4 \times (32 + 10) \\
&:= -9 + 8 + T(7) \times 6 + 5 - 4 &&= T(T(3)) \times (-2 + 10)
\end{aligned}$$

$$\begin{aligned}
169 &:= 1 - 2 + 34 \times 5 &&= 6 \times T(7) - 8 + 9 \\
&:= T(12) + T(3 + T(4)) &&= 5 + T(6) \times 7 + 8 + 9 \\
&:= 98 + 76 - 5 &&= (T(4) + 3)^2 \times 1 \\
&:= 9 - 8 + T(7) \times 6 &&= T(54/3) - 2 \times 1 \\
&&&= T(T(5)) + T(T(4)) + T(3) - 2 - 10
\end{aligned}$$

$$\begin{aligned}
170 &:= -1 + T(2^3 + T(4)) &&= 5 \times (T(T(6))/7 - 8 + 9) \\
&:= 1^2 \times 34 \times 5 &&= T(T(6)) + T(7) - 89 \\
&:= 98 + 7 + 65 &&= (T(4) + 3)^2 + 1 \\
&&&= 4 \times T(3^2) - 10
\end{aligned}$$

$$\begin{aligned}
171 &:= T(12 + T(3)) &&= T(4) + 5 + 67 + 89 \\
&:= T(-1 + 23 - 4) &&= T(5) + 67 + 89 \\
&:= 1^2 + 34 \times 5 &&= 6 + T(7+8) + T(9) \\
&:= (1+2) \times (3 + (4+5) \times 6) &&= T(T(7) - T(T(8)/9)) \\
&:= T(9+8+7-6) &&= (54+3) \times (2+1) \\
&&&= (5+4)/3 \times (2+T(10)) \\
&:= 98+7+T(6+5) &&= T(4+T(3+2)-1) \\
&&&= T(-4+32-10) \\
&:= 9+87+65+T(4) &&= T(-3+21) \\
&&&= 3 \times (2+T(10))
\end{aligned}$$

$$\begin{aligned}
172 &:= (1 + 2 \times T(T(3))) \times 4 = T(T(5)) + 6 \times 78/9 \\
&:= 1 \times 2 + 34 \times 5 = 6 \times T(7) + T(8)/9 \\
&:= T(9) + T(8) + T(7+6) = 5 - 4^3 + T(21) \\
&= 5 - 43 + 210 \\
&:= -9 + 8 + T(7) \times 6 + 5 = 4 \times (T(T(3)) \times 2 + 1) \\
&= T(T(4) + 3) \times 2 - 10
\end{aligned}$$

$$\begin{aligned}
173 &:= -1 - 2 + T(T(T(3))) - T(T(4)) = 56 + T(7) + 89 \\
&:= 1 + 2 + 34 \times 5 = -6 + T(7) \times 8 - T(9) \\
&:= -T(9) + 8 \times T(7) - 6 = T(54/3) + 2 \times 1 \\
&= 5 \times 4 + T(-3 + 2 \times 10) \\
&:= (9 - 8) \times T(7) \times 6 + 5 = -T(T(4)) - 3 + T(21) \\
&= T(-4 + T(T(3))) + 2 \times 10
\end{aligned}$$

$$\begin{aligned}
174 &:= (1 + 2) \times (3 + T(T(4))) = 5 \times T(6) + 78 - 9 \\
&:= T(1 + 2) \times (34 - 5) = 6 \times (T(7) - 8 + 9) \\
&:= 98 + 7 + 65 + 4 = T(T(T(3))) - 2 - T(10) \\
&:= 98 + 76 = -54 - 3 + T(21) \\
&= 54 \times 3 + 2 + 10 \\
&:= 9 - 8 + T(7) \times 6 + 5 = (T(T(4)) + 3) \times (2 + 1) \\
&= 4^3 + 2 \times T(10)
\end{aligned}$$

$$\begin{aligned}
175 &:= T(12 + T(3)) + 4 = 56 + 7 \times (8 + 9) \\
&:= (1^2 + 34) \times 5 = -6 + T(7) + T(8 + 9) \\
&:= 98 + 76 + 5 - 4 = T(T(3 + 2)) + T(10) \\
&:= 98 + 7 \times (6 + 5) = 4 + T(-3 + 21) \\
&= 4 + 3 \times (2 + T(10)) \\
&:= T(9 + 8) + T(7) - 6 = 5 \times (4 + 32 - 1) \\
&= 5 \times (43 + 2 - 10)
\end{aligned}$$

$$\begin{aligned}
176 &:= T(1 + 23) - 4 - T(T(5)) = T(T(6)) - T(7) - T(8) + 9 \\
&:= 1 + T(T(2 + 3)) + T(T(4)) = (-5 + T(6)) \times (7 \times 8 - T(9)) \\
&:= -9 + 8 + T(7) \times 6 + 5 + 4 = T(T(3 \times 2)) - T(10) \\
&:= 9 - T(8) - T(7) + T(T(6)) = -5 + 4 \times T(3^2) + 1 \\
&= T(5) \times T(4) + T(3)^2 - 10 \\
&:= (T(9) - T(8) + 7) \times (6 + 5) = 4 \times (T(3^2) - 1) \\
&= -T(T(4)) + T(T(3)) + 210
\end{aligned}$$

$$\begin{aligned}
177 &:= -1 - 2 + 3 \times 4 \times T(5) = -T(6) \times 7 + T(8) \times 9 \\
&:= 12 + 3 \times T(T(4)) = T(5) \times 6 + 78 + 9 \\
&:= 9 \times 8 + T(-7 + T(6)) = T(5 \times 4) - 32 - 1 \\
&= -54 + T(T(3)) + 210 \\
&:= (9 + 876)/5 = -T(T(4)) + T(T(3 \times 2)) + 1 \\
&= T(T(4)) \times 3 + 2 + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{178} &:= 123 + T(T(4)) &&= 56/T(7) \times 89 \\
&:= -12 + T(34 - T(5)) &&= 6 \times T(7) + T(T(8)/9) \\
&:= T(9) + 8 + 7 - 6 + T(T(5)) + 4 &&= T(T(T(3))) + 2 - T(10) \\
&:= -T(9) - T(8) + T(7) + T(T(6)) &&= T(5 \times 4) - 32 \times 1 \\
&&&= -5 + 4 \times 32 + T(10) \\
&:= 9 + (T(8) - 7) \times 6 - 5 &&= -T(T(4)) + T(T(T(3))) + 2 \times 1 \\
&&&= 4 \times T(T(3)) \times 2 + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{179} &:= T(12) \times 3 - T(T(4)) &&= 56 + 78 + T(9) \\
&:= -1 + T(T(2 + 3)) + 4 \times T(5) &&= (T(6) + 7) \times 8 - T(9) \\
&:= 1 + 234 - 56 &&= T(7) \times 8 - T(9) \\
&:= -T(9) + 8 \times T(7) &&= (6 + 54) \times 3 - 2 + 1 \\
&:= -T(9) + 8 \times (7 + T(6)) &&= 5 \times (4 + 32) - 1 \\
&:= 98 + 76 + 5 &&= 4 \times T(3^2) - 1 \\
&&&= (T(4) + 3)^2 + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{180} &:= T(12 - 3) \times 4 &&= 5 \times 6 \times (7 + 8 - 9) \\
&:= 12/3 \times 45 &&= T(6 + 7) + 89 \\
&:= 1 \times 2 \times (34 + 56) &&= (T(7) - 8) \times 9 \\
&:= 9 \times (-8 + T(7)) &&= 6 - 54 - 3 + T(21) \\
&:= (T(9) - 8 - 7) \times 6 &&= 54 + T(3) \times 21 \\
&:= T(9) + 87 - 6 + 54 &&= T(T(T(3))) - 2 - 10 \\
&:= (T(98/7 - 6) \times 5) &&= 4 \times T(3^2) \times 1 \\
&&&= -T(4) \times 3 + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{181} &:= T(12 + T(3)) + T(4) &&= 56 - T(7) + T(8 + 9) \\
&:= 1 + (2 + 34) \times 5 &&= T(6) + 7 + T(8 + 9) \\
&:= 1 + 2 \times (34 + 56) &&= T(7) + T(8 + 9) \\
&:= T(9 + 8) + T(7) &&= (6 + 54) \times 3 + 2 - 1 \\
&:= -9 \times 8 + T(T(7) - 6) &&= 543/(2 + 1) \\
&:= 98 - 7 + 6 \times T(5) &&= 4 \times T(3^2) + 1
\end{aligned}$$

$$\begin{aligned}
\mathbf{182} &:= 1 \times 2 \times T(3 + T(4)) &&= (5 + T(6)) \times 7 \times (-8 + 9) \\
&:= (9 - 8) \times 7 \times (T(6) + 5) &&= T(T(4) + 3) \times 2 \times 1
\end{aligned}$$

$$\begin{aligned}
\mathbf{183} &:= 1 + 2 \times T(3 + T(4)) &&= 5 \times 6 \times T(7) - T(T(8)) + 9 \\
&:= 123 + 4 \times T(5) &&= -6 + 7 \times (T(8) - 9) \\
&:= 9 + (T(8) - 7) \times 6 &&= 54 \times 3 + 21 \\
&:= -9 + 87 + T(6) \times 5 &&= T(T(4) + 3) \times 2 + 1 \\
&&&= 4 \times 32 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{184} &:= -1 + T(23 - 4) - 5 &&= T(6) \times 7 - 8 + T(9) \\
&:= (9 + 8) \times 7 + 65 &&= 4 \times (T(3^2) + 1) \\
&&&= 4 \times (T(3)^2 + 10) \\
&:= T(9) - 8 + 7 \times T(6) &&= T(T(5)) + 43 + 21 \\
&&&= (5 \times 4 + 3) \times (-2 + 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{185} &:= (1 + 2 + 34) \times 5 &&= 6 \times T(7) + 8 + 9 \\
&:= -1 + T(-2 + T(T(3))) - 4 = 5 + T(6 + 7) + 89 \\
&:= 9 + 8 \times (T(7) - 6) &&= 5 \times (4 + 32 + 1) \\
&&&= 5 - T(4) \times 3 + 210 \\
&:= -9 \times (8 - 7 - T(6) + 5) &&= -4 + T(T(T(3)) - 2) - 1 \\
&&&= -4 - T(T(3)) + 210 \\
\mathbf{186} &:= T(-1 \times 2 + T(T(3))) - 4 = T(T(5)) - T(6) + 78 + 9 \\
&:= 1 + T(23 - 4) - 5 &&= 6 + (T(7) - 8) \times 9 \\
&:= 9 \times (-8 + T(7)) + 6 &&= T(5 \times 4) - 3 - 21 \\
&:= 9 + 87 + 6 \times T(5) &&= T(T(4)) \times 3 + 21 \\
&&&= -4 \times T(3) + 210 \\
\mathbf{187} &:= 1 + T(-2 + T(T(3))) - 4 = 5 \times T(6) - 7 + 89 \\
&:= -1 \times 23 + T(4 \times 5) &&= 6 + T(7) + T(8 + 9) \\
&:= (9 + T(8) - T(7)) \times (6 + 5) = -4 + T(T(T(3)) - 2) + 1 \\
&:= T(9 + 8) + T(7) + 6 &&= T(T(5)) + 4 + 3 \times 21 \\
&&&= -5 \times 4 - 3 + 210 \\
\mathbf{188} &:= 12 + T(T(T(3))) - T(T(4)) = T(T(5)) + T(6) + 7 \times 8 - 9 \\
&:= 9 + (T(8) - 7) \times 6 + 5 &&= -43 + T(21) \\
\mathbf{189} &:= -1 + T(-2 + T(T(3))) = 45 + T(6) + 78 + T(9) \\
&:= -1 + T(23 - 4) &&= -5 + T(T(6) - 7) + 89 \\
&:= T(12) \times 3 - 45 &&= (6 + 7 + 8) \times 9 \\
&:= 123 + T(4) + 56 &&= 7 \times (T(8) - 9) \\
&:= 98 + 76 + T(5) &&= T(4) \times T(T(3)) - 21 \\
&:= (-9 + T(8)) \times 7 &&= 6 + 54 \times 3 + 21 \\
&&&= -6 - 5 - 4 - T(3) + 210 \\
&:= 98 + T(7 + 6) &&= 54/T(3) \times 21 \\
&&&= -5 - T(4) - T(3) + 210 \\
&:= 9 + T(8 + 7) + 6 + 54 = T(T(T(3)) - 2) - 1 \\
&&&= -T(T(3)) + 210 \\
\mathbf{190} &:= 1 \times T(-2 + T(T(3))) &&= T(-4 - 56 + 7 + 8 \times 9) \\
&:= 1 \times T(23 - 4) &&= T(T(56/7) - 8 - 9) \\
&:= T(12 + 3 \times 4 - 5) &&= T(T(6 - 7 + 8) - 9) \\
&:= T((123 - 4 - 5)/6) &&= T(T(7) + T(8) - T(9)) \\
&:= T(-T(9) + T(8) + T(7)) = 6 + 5 - T(4) - T(T(3)) + 210 \\
&:= T(-9 + T(8 - 7 + 6)) &&= T((54 + 3)/(2 + 1)) \\
&&&= (5 \times (4 + 32) + 10) \\
&:= 98 - (7 - 6 \times 5) \times 4 &&= T(T(T(3)) - 2 \times 1) \\
&&&= T(3^2 + 10) \\
&:= T(9 + 8) - T(7) + 65 &&= T(4 \times (3 + 2) - 1) \\
&&&= T(4) \times (3^2 + 10)
\end{aligned}$$

$$\begin{aligned}
191 &:= 1 + T(-2 + T(T(3))) &= (4 \times 5 + 6) \times 7 - T(8) + T(9) \\
&:= 1 + T(23 - 4) &= 56 + (7 + 8) \times 9 \\
&:= 98 + T(7) + 65 &= T(T(4) + 3^2) + 1 \\
&:= T(9 + 8) - T(7) \times (-6 + 5) + T(4) = T(T(T(3)) - 2) + 1
\end{aligned}$$

$$\begin{aligned}
192 &:= 12 \times (T(3) + T(4)) = 5 \times T(6) + 78 + 9 \\
&:= 12 \times (-3 + 4 + T(5)) = T(6) \times 7 + T(8) + 9 \\
&:= 9 + T(8) + 7 \times T(6) = T(54/3) + 21 \\
&:= 98 + T(7) + T(6 + 5) = 4^3 \times (2 + 1)
\end{aligned}$$

$$\begin{aligned}
193 &:= -1 + T(-2 + T(T(3))) + 4 = -T(T(5)) + T(T(6)) - 7 + 89 \\
&:= 1 + 2 \times (3^4 + T(5)) &= T(T(6)) + 7 - T(8) - 9 \\
&:= -9 - T(8) + 7 + T(T(6)) &= 5 - 43 + T(21) \\
& &= -5 \times 4 + 3 + 210 \\
&:= -9 - 8 + 7 \times 6 \times 5 &= 4 + T(T(T(3)) - 2) - 1 \\
& &= 4 - T(T(3)) + 210
\end{aligned}$$

$$\begin{aligned}
194 &:= T(-1 \times 2 + T(T(3))) + 4 &= -T(5) - 6 + T(7) \times 8 - 9 \\
&:= 1 - 2 + T(T(3)) \times T(4) - T(5) = T(T(6) - 7) + 89 \\
&:= -9 + 8 \times T(7) - T(6) &= 5 \times 43 - 21 \\
&:= (T(9) - 8) \times 7 - 65 &= 4 + T(T(T(3)) - 2) \times 1 \\
& &= -T(4) - T(3) + 210
\end{aligned}$$

$$\begin{aligned}
195 &:= 1 + T(-2 + T(T(3))) + 4 &= T(5) + T(6 + 7) + 89 \\
&:= T(1 + 23 - 4) - T(5) &= 6 + 7 \times (T(8) - 9) \\
&:= T(9)/(8 + 7) \times 65 &= 4 + T(T(T(3)) - 2) + 1 \\
&:= (-9 + T(8)) \times 7 + 6 \times (5 - 4) = T(T(T(3))) - T(-2 + 10) \\
&:= T(9 + 8) + 7 \times 6 &= T(5) \times (4 + 3^2 \times 1) \\
& &= T(5) - T(4) \times 3 + 210
\end{aligned}$$

$$\begin{aligned}
196 &:= T(1 + 2)^3 - 4 \times 5 &= (T(6) + T(7)) \times T(8)/9 \\
&:= 98 - 7 + T(6) \times 5 &= T(T(4 + 3)) - 210 \\
&:= T(-T(9) + T(8) + T(7)) + 6 = (T(5) - 4 + 3)^2 \times 1 \\
& &= -5 \times 4 + T(3) + 210
\end{aligned}$$

$$\begin{aligned}
197 &:= T(12) + T(34)/5 &= T(T(6)) - 7 - T(8) + 9 \\
&:= T(T(T(1 + 2))) - 34 &= -56 + T(T(7)) - T(8 + 9) \\
&:= 9 - T(8) - 7 + T(T(6)) = -T(T(5)) - 4 + 321 \\
&:= T(9) + 87 + 65 &= -T(T(4)) + T(T(3)) + T(21) \\
& &= -T(4) - 3 + 210
\end{aligned}$$

$$\begin{aligned}
198 &:= -12 + T(T(3)) \times T(4) = (-56 + 78) \times 9 \\
&:= T(12) + T(3) \times 4 \times 5 &= 6 \times (78 - T(9)) \\
&:= 9 \times (8 - 7 + T(6)) &= (5 + 4) \times (T(3 \times 2) + 1) \\
& &= (5 + 4) \times (32 - 10) \\
&:= 9 \times (87 - 65) &= T(-T(4) + T(T(3))) \times (2 + 1) \\
& &= -4 \times 3 + 210
\end{aligned}$$



$$\begin{aligned}
\mathbf{199} &:= -1 + T(-2 + T(T(3))) + T(4) = 5 \times (-6 + T(7)) + 89 \\
&:= 12 - 3 + T(4 + T(5)) &= T(T(6)) - T(7) - T(8)/9 \\
&:= 9 + 8 + 7 \times (T(6) + 5) &= T(4) + T(T(T(3)) - 2) - 1 \\
&&= T(4) - T(T(3)) + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{200} &:= (12 \times 3 + 4) \times 5 &= T(6) \times 7 + 8 + T(9) \\
&:= (-1 + T(2 \times 3)) \times T(4) &= 5 \times (67 - T(8) + 9) \\
&:= 98 + 7 - T(6) + T(T(5)) - 4 &= T(T(T(3)) - 2) + 10 \\
&:= T(9) + 8 + 7 \times T(6) &= 5 \times (43 - 2 - 1) \\
&&= (54/3 + 2) \times 10 \\
&:= 9 \times (8 + 7) + 65 &= T(4) \times (T(3 \times 2) - 1) \\
&&= 4 \times (3 + 2) \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{201} &:= T(T(T(1 + 2))) - 3 \times T(4) = 5 \times T(6) + 7 + 89 \\
&:= -12 + 3 + T(4 \times 5) &= T(T(6) + 7 - 8) - 9 \\
&:= 12 + 3 - 45 + T(T(6)) &= T(T(7) - 8) - 9 \\
&:= -9 + T(-8 + T(7)) &= (6 + 54) \times 3 + 21 \\
&&= 6 - 5 + 4 \times (3 + 2) \times 10 \\
&:= -9 + T(T(8 + 7))/6 &= -5 - T(4) + T(3)^{2+1} \\
&&= -54/T(3) + 210 \\
&:= 9 + 87 + T(6) \times 5 &= -T(4) \times 3 + T(21) \\
&&= 4^{T(3)-2} - T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{202} &:= 12 + T(34 - T(5)) &= T(6) + T(7) + T(8 + 9) \\
&:= -9 + 8 - T(7) + T(T(6)) &= -5 + T(4) \times T(T(3)) - 2 - 1 \\
&&= -T(5) + 4 + 3 + 210 \\
&:= 98 - 7 + T(T(6)) - T(T(5)) &= T(T(4 + 3))/2 - 1 \\
&&= T(4) \times T(T(3)) + 2 - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{203} &:= T(T(T(1 + 2))) - T(3 + 4) = 5 + 6 \times (78 - T(9)) \\
&:= -1 - 2 \times 3 + T(4 \times 5) &= T(T(6)) - 7 \times T(8)/9 \\
&:= 98 + T(-7 + T(6)) &= T(5) - 43 + T(21) \\
&&= 5 \times 43 - 2 - 10 \\
&:= T(9) + 8 \times T(7) - T(6 + 5) &= T(T(4 + 3))/2 \times 1 \\
&&= -4 - 3 + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{204} &:= 12 \times (3 \times 4 + 5) &= 6 \times (7 + T(8) - 9) \\
&:= T(1 + 2) \times 34 &= T(5 \times 6 - 7) - 8 \times 9 \\
&:= (9 + 8) \times (7 + 6 - 5 + 4) &= -T(3) + 210 \\
&:= (-9 + T(8) + 7) \times 6 &= 5 \times (43 - 2) - 1 \\
&&= (5 \times 4 - 3) \times (2 + 10) \\
&:= -9 \times 8 + T(7 + T(6) - 5) &= T(T(4 + 3))/2 + 1 \\
&&= 4 \times (-T(3) + 2 + T(10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{205} &:= 1 - 2 \times 3 + T(4 \times 5) &= 6 \times T(7) - 8 + T(9) \\
&:= 9 + 8 - T(7) + T(T(6)) - T(5) &= T(4 \times T(3))/2 + T(10) \\
&:= T(9) - 8 + T(7) \times 6 &= 5 \times (43 - 2) \times 1 \\
& &= 5 - 4 - T(3) + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{206} &:= T(1 + 2)^3 - T(4) &= T(T(5)) - 67 + T(8 + 9) \\
&:= -1 + 23 \times (4 + 5) &= T(T(6)) + T(7) - 8 - T(9) \\
&:= -T(9) - 8 + T(7) + T(T(6)) &= 5 \times (43 - 2) + 1 \\
& &= 54 \times (T(3) - 2) - 10 \\
&:= T(9) + 8 \times 7 + T(6) \times 5 &= -4 - T(T(3)) + T(21) \\
& &= -T(4) + T(3) + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{207} &:= -1 - 2 + T(T(3)) \times T(4) = 567 - 8 \times T(9) \\
&:= 9 + 8 + T(-7 + T(6) + 5) = -4 \times T(3) + T(21) \\
&:= 9 + 8 + T(-7 + 6 \times 5 - 4) = -3 + 210 \\
&:= T(12) + 3 \times 45 - 6 &= 7 \times T(8) - T(9) \\
&:= 1 \times 23 \times (4 + 5) &= 6 \times (T(7) + 8) - 9 \\
&:= 9 \times (T(8) - 7 - 6) &= T(5 \times 4) + 3 - T(2 + 1) \\
& &= 5 \times 43 + 2 - 10 \\
&:= -T(9) + T(8) \times 7 &= 6 \times 5 \times (4 + 3) - 2 - 1 \\
& &= 6 + T(5) - 4 + T(3^2 + 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{208} &:= -1 \times 2 + T(T(3)) \times T(4) = T(T(5)) + 6 - 7 + 89 \\
&:= 1 + 23 \times (4 + 5) &= T(T(6) - 7 + 8) - T(9) \\
&:= -9 - T(8) + T(T(7) - 6) = T(5 \times 4) - 3 + 2 - 1 \\
& &= 5 - 4 - 3 + 210 \\
&:= 98 - (-T(7) + 6) \times 5 &= T(4) \times T(T(3)) - 2 \times 1 \\
& &= 4 - T(3) + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{209} &:= -1 + T((2 + 3) \times 4) = T(5) \times 6 + 7 \times (8 + 9) \\
&:= -1^{23} + T(4 \times 5) &= -6 + T(7) \times 8 - 9 \\
&:= -9 + 8 \times T(7) - 6 &= 5 \times 43 - T(2 + 1) \\
& &= T(5 \times 4) + 3^2 - 10 \\
&:= 9 - (T(8) - 76) \times 5 = T(4 \times (3 + 2)) - 1 \\
& &= -4 + 3 + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{210} &:= T(-1 + T(2 \times 3)) &= (4 + T(5)) \times (6 + 7) + 8 - T(9) \\
&:= T(1 + 23 - 4) &= 5 \times 6 \times 7 \times (-8 + 9) \\
&:= 1^{23} \times T(4 \times 5) &= T(6) + 7 \times (T(8) - 9) \\
&:= (12 \times 3 + 4 - 5) \times 6 &= T(-7 + T(8) - 9) \\
&:= T(-9 + T(8) - 7) &= (65 + 4) \times 3 + 2 + 1 \\
&&= 654/3 + 2 - 10 \\
&:= T(98/7 + 6) &= 5 \times (43 - 2 + 1) \\
&&= (-T(5) + 4 + 32) \times 10 \\
&:= 9 + 87 - 6 + T(T(5)) &= (4 + T(3)) \times 21 \\
&&= (4 - 3) \times 210 \\
&:= 9 \times (8 + 7) + 65 + T(4) &= T(T(T(3))) - 21 \\
&&= T(3 \times 2) \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{211} &:= 1 + T((2 + 3) \times 4) &= (56/T(7))^8 - T(9) \\
&:= 1 \times T(23) + T(T(4)) - T(T(5)) &= T(T(6)) + 7 - T(8) + 9 \\
&:= 9 - 8 + T(7) \times 6 \times 5/4 &= T(T(T(3))) - 2 \times 10 \\
&:= (9 - T(8) + 7) + T(T(6)) &= 5 - 4 - T(T(3)) + T(21) \\
&&= T(5) + 4 \times (-3 \times 2 + T(10)) \\
&:= T(9 + 8) - 7 + 65 &= T(4 \times (3 + 2)) + 1 \\
&&= (4 - 3 + 210)
\end{aligned}$$

$$\begin{aligned}
\mathbf{212} &:= T(1 + 2)^3 - 4 &= (5 + 6 - 7) \times (8 + T(9)) \\
&:= 1 - 2 + 3 + T(4 \times 5) &= T(T(6)) - T(7) - T(8) + T(9) \\
&:= 9 + 8 \times T(7) - T(6) &= 5 \times 43 - 2 - 1 \\
&&= -5 + 4 + 3 + 210 \\
&:= -9 - 8 - 7 + T(T(6)) + 5 &= -4 + T(3)^{2+1} \\
&&= -4 + T(3) + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{213} &:= 1 + 2 + T(T(3)) \times T(4) &= T(T(5)) + 6 + 78 + 9 \\
&:= T(12) + 3 \times 45 &= 6 + 7 \times T(8) - T(9) \\
&:= 9 + 8 + 7 + T(6) \times (5 + 4) &= 3 + 210 \\
&:= 9 + T(8) + T(7) \times 6 &= 5 \times 43 - 2 \times 1 \\
&&= (5 - 4) \times 3 + 210 \\
&:= 9 + 8 + 76 + T(T(5)) &= T(4) \times T(T(3)) + 2 + 1 \\
&&= T(T(4 + 3))/2 + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{214} &:= T(-1 + T(2 \times 3)) + 4 &= 5 - 6 + T(7) \times 8 - 9 \\
&:= 12/3 + T(4 \times 5) &= T(T(6)) - 7 - T(T(8)/9) \\
&:= -9 - T(8) + T(7) + T(T(6)) &= 5 \times 43 - 2 + 1 \\
&&= 5 - 4 + 3 + 210 \\
&:= 9 \times 8 + 7 \times T(6) - 5 &= 4 - T(T(3)) + T(21) \\
&&= T(4) - T(3) + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{215} &:= -12 + T(T(T(3))) - 4 = 5 \times (6 \times 7 - 8 + 9) \\
&:= 12/3 \times T(T(4)) - 5 = (T(6) + 7) \times 8 - 9 \\
&:= 1 + 23 \times T(4) + 5 - T(6) = T(7) \times 8 - 9 \\
&:= -9 + 8 \times T(7) = 654/3 - 2 - 1 \\
&= -65 + (-4 + 32) \times 10 \\
&:= -9 + 8 \times (7 + T(6)) = 5 \times 43 \times (2 - 1) \\
&= 5 \times (43 + 2) - 10 \\
&:= (9 - 8 + 7 \times 6) \times 5 = -T(4) - T(3) + T(21) \\
&= 4 + T(T(T(3))) - 2 \times 10 \\
\mathbf{216} &:= T(1 + 2)^3 = 4 \times 5 \times 6 + 7 + 89 \\
&:= T(1 + 2) + T(T(3)) \times T(4) = 56/7 \times (T(8) - 9) \\
&:= (1 + 23) \times (4 + 5) = 6 \times T(7 - 8 + 9) \\
&:= T(9 - 8 + 7) \times 6 = (5 + 4) \times (3 + 21) \\
&= 54/3 \times (2 + 10) \\
&:= 98 + T(7) + 6 \times T(5) = 4 \times (T(T(T(3)) - 2) - 1) \\
&= -4 + (T(3) - 2) \times T(10) \\
&:= 9 + 87 + 6 \times 5 \times 4 = T(3)^{2+1} \\
&= T(3) + 210 \\
\mathbf{217} &:= 12 + T(T(3)) \times T(4) - 5 = T(6 + T(7)) - T(T(8) - 9) \\
&:= -9 + T(8 + 7 + 6) - 5 = 4 + 3 + 210 \\
&:= -98/7 + T(T(6)) = 5 \times 43 + 2 \times 1 \\
&= 5 - 4 + T(3) + 210 \\
\mathbf{218} &:= T(T(T(1 + 2))) - 3 - T(4) = 5 + 6 + 7 \times T(8) - T(9) \\
&:= 98 \times (7 - 6) + T(T(5)) = -T(4) - 3 + T(21) \\
\mathbf{219} &:= -12 + T(T(T(3))) = 4 \times T(5 + 6) \times (-7 + 8) - T(9) \\
&:= T(T(T(1 + 2))) - 3 \times 4 = (5 + 6) \times T(7) - 89 \\
&:= 1 \times 234 - T(5) = T(6) \times 7 + 8 \times 9 \\
&:= 1 + 234 + 5 - T(6) = T(T(7) - 8) + 9 \\
&:= -9 + 87 + T(6) + T(T(5)) = -4 \times 3 + T(21) \\
&:= -98 - 7 + 6 \times 54 = T(T(T(3))) - 2 - 10 \\
&:= 9 + T(-8 + T(7)) = 654/3 + 2 - 1 \\
&:= 9 \times 8 + 7 \times T(6) = T(5 \times 4) + 3 + T(2 + 1) \\
&= 54/T(3) + 210 \\
\mathbf{220} &:= (-1 + 23) \times T(4) = -5 + 6 \times (T(7) + 8) + 9 \\
&:= 1 + 234 - T(5) = 67 + T(8 + 9) \\
&:= 9 + T(8) + T(T(7)) - T(6 + 5 + T(4)) = (T(3) - 2) \times T(10) \\
&:= 9 + 8 - T(7) + T(T(6)) = 5 \times (43 + 2 - 1) \\
&= (54 - 32) \times 10 \\
&:= T(9) \times (-8 + 7 + 6) - 5 = 4 + T(3)^{2+1} \\
&= 4 + T(3) + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{221} &:= 1 \times T(23) - T(T(4)) &&= 56 + T(7+8) + T(9) \\
&:= -1 + 2 + T(T(T(3))) + 4 - T(5) &&= (6+7) \times (8+9) \\
&:= (9+8) \times (7+6) &&= 5 \times 43 + T(2+1) \\
& &&= -5 + T(4) + T(3) + 210 \\
&:= 98 \times 7 - T(6 \times 5) &&= -4 - T(3) + T(21) \\
&:= -9 \times 8 - 7 + 6 \times 5 \times T(4) &&= T(T(3 \times 2)) - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{222} &:= 1 \times 2 + T(T(T(3))) + 4 - T(5) = T(6+7+8) - 9 \\
&:= 1 + T(23) - T(T(4)) &&= (5-6+7) \times (-8+T(9)) \\
&:= -9 + T(8+7+6) &&= -54/T(3) + T(21) \\
& &&= 5+4+3+210 \\
&:= 9+8 \times T(7) - 6 - 5 &&= -T(4) + T(T(3 \times 2)) + 1 \\
& &&= 4 \times 3 + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{223} &:= -12 + T(T(T(3))) + 4 &&= -5 + 6 \times (-7 + T(8) + 9) \\
&:= 12 + T(T(T(3))) - 4 \times 5 &&= T(T(6)) - 7 + 8 - 9 \\
&:= 9 + T(8) + T(7) + 6 \times (T(5) + T(4)) = T(T(T(3))) + 2 - 10 \\
&:= -9 + 8 - 7 + T(T(6)) &&= T(T(5) + 4) + 32 + 1 \\
& &&= 5 \times 43 - 2 + 10 \\
&:= -T(9) + T(8 - 7 + T(6)) + T(5) &&= -T(4) + T(T(T(3))) + 2 \times 1 \\
& &&= T(4) + 3 + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{224} &:= T(12) \times 3 - T(4) &&= T(5) - 6 + T(7) \times 8 - 9 \\
&:= -1 + (2+3) \times 45 &&= T(T(6)) + 7 \times (8-9) \\
&:= (9-8) \times (-7 + T(T(6))) = 5 \times (43+2) - 1 \\
& &&= 5 \times 4 - T(3) + 210 \\
&:= 9 \times 8 + 7 \times T(6) + 5 &&= -4 - 3 + T(21) \\
& &&= 4 \times (3-2 + T(10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{225} &:= T(T(T(1+2))) - T(3) = (-4+5 \times 6+7-8) \times 9 \\
&:= -1 \times 2 + T(T(T(3))) - 4 = 5 \times (6+7-8) \times 9 \\
&:= (1 \times 2+3) \times 45 &&= (6+7-8) \times T(9) \\
&:= 9 + (8+T(7)) \times 6 &&= 5 \times (43+2 \times 1) \\
&:= 9 \times (-8 - T(7) + 65 - 4) = -T(3) + T(21) \\
&:= 9 \times (-8+7+6) \times 5 &&= -4 + T(T(T(3))) - 2 \times 1 \\
& &&= 4 + T(T(3 \times 2)) - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{226} &:= -9 + 8 \times T(7) + 6 + 5 = T(4) + T(3)^{2+1} \\
& &&= T(4) + T(3) + 210 \\
&:= 9 - T(8) + T(T(7) - 6) = 5 \times (43+2) + 1 \\
& &&= 54 \times (T(3) - 2) + 10 \\
&:= T(1+2)^3 + T(4) &&= 5 + (6+7) \times (8+9) \\
&:= 1 + (2+3) \times 45 &&= T(-6+T(7)) - T(8) + 9
\end{aligned}$$

$$\begin{aligned}
227 &:= T(T(1 \times 2 \times 3)) - 4 &&= 5 - T(6) + 7 \times T(8) - 9 \\
&:= -1 - 2 + T(T(T(3))) + 4 - 5 &&= -6 + T(7) \times 8 + 9 \\
&:= 9 + 8 \times T(7) - 6 &&= (T(T(5)) - 4 - 3) \times 2 + 1 \\
&&&= 5 \times 4 - 3 + 210 \\
&:= 9 + 8 + 7 \times 6 \times 5 &&= -T(4) + T(3) + T(21) \\
&&&= -4 + T(T(3)) + 210
\end{aligned}$$

$$\begin{aligned}
228 &:= T(T(T(1 + 2))) - 3 &&= (45 - 6) \times 7 - T(8) - 9 \\
&:= 1 + T(T(2 \times 3)) - 4 &&= T(5) + 6 + 7 \times T(8) - T(9) \\
&:= -1 + 234 - 5 &&= 6 \times (-7 + T(8) + 9) \\
&:= 98 + 76 + 54 &&= -3 + T(21) \\
&:= (9 + T(8) - 7) \times 6 &&= T(5 \times 4) - 3 + 21 \\
&&&= 54/3 + 210 \\
&:= T(9) - T(8) - 7 + T(T(6)) - 5 &&= -4 + T(T(3 \times 2)) + 1
\end{aligned}$$

$$\begin{aligned}
229 &:= -1 \times 2 + T(T(T(3))) = 4 + 5 + 67 + T(8 + 9) \\
&:= -1 + 23 \times T(4) &&= 5 \times (T(6) + 7) + 89 \\
&:= 1 \times 234 - 5 &&= T(T(6)) + 7 + T(8) - T(9) \\
&:= T(9 + 8) + 76 &&= 5 - 4 - 3 + T(21) \\
&:= (T(9) - 8) \times 7 - 6 \times 5 = 4 - T(3) + T(21) \\
&:= T(9 + 8) + 7 + 65 + 4 = T(T(T(3))) - 2 \times 1
\end{aligned}$$

$$\begin{aligned}
230 &:= 1 - 2 + T(T(T(3))) &&= T(T(4)) + 56 + 7 \times (8 + 9) \\
&:= T(12) \times 3 - 4 &&= 5 \times (-6 + 7 + T(8) + 9) \\
&:= (12 + 34) \times 5 &&= T(T(6)) + (7 - 8)^9 \\
&:= -(9 - 8)^7 + T(T(6)) &&= 5 \times (43 + 2 + 1) \\
&:= 9 - 8 - 7 + T(T(6)) + 5 &&= -4 + 3 + T(21) \\
&:= (9 + 8 - 7 + 6) \times T(5) - T(4) = T(T(3 \times 2)) - 1 \\
&&&= (T(T(3)) + 2) \times 10
\end{aligned}$$

$$\begin{aligned}
231 &:= T(T(T(1 + 2))) &&= 3 + 4 \times (-T(5) + 6 + T(7 \times 8 - T(9))) \\
&:= T(T(1 \times 2 \times 3)) &&= 4 \times 56 - 7 \times (8 - 9) \\
&:= 1 + 23 \times T(4) &&= -5 + T(6) \times 7 + 89 \\
&:= 1 \times T(23) - 45 &&= T(6) \times (T(7) - 8 - 9) \\
&:= -1 \times 234 + T(5 \times 6) &&= T(T(7 + 8 - 9)) \\
&:= 9 \times T(8) - T(7) - 65 &&= (4 - 3) \times T(21) \\
&:= T(T(-9 + 8 + 7)) &&= -65 - 4 + T(3 + 21) \\
&:= T((98 + T(7))/6) &&= T(54 - 32 - 1) \\
&&&= 5 + T(4) + T(3) + 210 \\
&:= T(9) + T(8 + 7) + 6 + T(5) \times 4 = T(T(3 \times 2)) \times 1 \\
&&&= T(T(3)) + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{232} &:= (9-8)^7 \times T(T(6)) + 5 - 4 = T(T(3 \times 2)) + 1 \\
&:= (9-8)^7 + T(T(6)) &= T(T(5) + 4 + 3) - 21 \\
&:= 1 + T(23) - 45 &= T(T(6)) - (7-8)^9 \\
&:= T(T(T(1+2))) - 3 + 4 &= T(5 \times 6) - T(7) \times 8 - 9 \\
&:= 1 + T(T(2 \times 3)) &= 4 \times (56 \times 7/8 + 9) \\
&:= 9 + 8 \times T(7) - 6 + 5 &= 4 - 3 + T(21) \\
\mathbf{233} &:= 1 \times 2 + T(T(T(3))) &= -4 \times (5-6) \times 7 \times 8 + 9 \\
&:= -1 + 234 &= T(5) \times T(6) + 7 - 89 \\
&:= T(12) \times 3 + 4 - 5 &= (T(6) + 7) \times 8 + 9 \\
&:= 1 \times 234 + 5 - 6 &= T(7) \times 8 + 9 \\
&:= T(98 - 76) - 5 \times 4 &= T(T(T(3))) + 2 \times 1 \\
&:= T(9) + T(8) + 7 \times T(6) - 5 = -4 + T(3) + T(21) \\
&:= 9 + 8 \times T(7) &= 65 \times 4 - 3^{2+1} \\
& &= (65 + 4)/3 + 210 \\
&:= 9 + 8 \times (7 + T(6)) &= -5 + 4 + 3 + T(21) \\
& &= (5 + 4) \times 32 - T(10) \\
\mathbf{234} &:= T(12) \times 3 &= (4 - 56 + 78) \times 9 \\
&:= 1 + 23 + T(4 \times 5) &= (6 + T(7) - 8) \times 9 \\
&:= 9 \times (-8 + T(7) + 6) = (5 - 4) \times (3 + T(21)) \\
&:= 9 \times (87 - 65 + 4) &= 3 + T(21) \\
&:= T(9 + 8) + 76 + 5 &= T(4 \times 3) \times (2 + 1) \\
& &= 4 \times T(3) + 210 \\
\mathbf{235} &:= -T(9) \times 8 + T(T(7) + 6) = 5 - 4 + 3 + T(21) \\
& &= 5 \times (43 + 2) + 10 \\
&:= 987/T(6) \times 5 &= T(4) - T(3) + T(21) \\
& &= 4 + T(T(3)) + 210 \\
&:= T(12) \times 3 - 4 + 5 &= T(6 + T(7)) - 8 \times T(9) \\
&:= 1 + 234 &= (T(5) + T(6)) \times 7 - 8 - 9 \\
\mathbf{236} &:= 1 + T(T(2 \times 3)) + 4 &= 56 + (T(7) - 8) \times 9 \\
&:= 1 + 23 \times T(4) + 5 &= T(6) \times 7 + 89 \\
&:= -9 + 8 \times T(7) + T(6) &= 5 \times 43 + 21 \\
&:= -9 \times 8 + T(7) \times (6 + 5) = 4 + T(T(3 \times 2)) + 1 \\
\mathbf{237} &:= T(1 + 2) + T(T(T(3))) &= 4 \times T(5) \times 6 - 78 - T(9) \\
&:= 1 \times 2 + T(T(T(3))) + 4 &= -T(5 \times 6) + 78 \times 9 \\
&:= -1 + 2 \times T(34)/5 &= -6 + 7 \times T(8) - 9 \\
&:= -9 + 8 + 7 + T(6) \times (T(5) - 4) = T(3) + T(21) \\
&:= -9 + T(8) \times 7 - 6 &= 5 + 4 - 3 + T(21) \\
& &= (5 + 4) \times 3 + 210 \\
&:= -9 + T(8 + 7 + 6) + T(5) &= 4 + T(T(T(3))) + 2 \times 1 \\
& &= -4 + T(T(3 \times 2)) + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{238} &:= T(12) \times 3 + 4 &= 5 + (T(6) + 7) \times 8 + 9 \\
&:= -1 + 234 + 5 &= (T(6) - 7) \times (8 + 9) \\
&:= 98 + (7 + T(6)) \times 5 &= 4 + 3 + T(21) \\
& &= T(4 + 3) + 210 \\
&:= (9 + 8) \times (-7 + T(6)) &= -5 + 4 \times 3 + T(21) \\
& &= -T(5) + 43 + 210 \\
\\
\mathbf{239} &:= 1 \times 234 + 5 &= 6 + T(7) \times 8 + 9 \\
&:= 12 + T(T(T(3))) - 4 &= 5 + (6 + T(7) - 8) \times 9 \\
&:= 9 - 8 + 7 + T(6 + T(5)) &= T(4) + T(T(T(3))) - 2 \times 1 \\
&:= 9 - 8 - 7 + T(T(6)) \times (5 - 4) &= T(T(T(3))) - 2 + 10 \\
&:= 9 + 8 \times T(7) + 6 &= 5 \times 4 \times T(3) \times 2 - 1 \\
& &= 5 \times T(T(4)) - 3 \times (2 + 10) \\
\\
\mathbf{240} &:= (1 + 23) \times T(4) &= 5 \times (-T(6) + 78 - 9) \\
&:= 1 + 234 + 5 &= 6 \times T(7) + 8 \times 9 \\
&:= 9 \times 8 + T(7) \times 6 &= 54/T(3) + T(21) \\
& &= 54 \times 3 + T(2 + 10) \\
&:= 98 + 7 \times T(6) - 5 &= T(4) \times (3 + 21) \\
& &= 4 \times 3 \times 2 \times 10 \\
\\
\mathbf{241} &:= 1 \times T(T(2 \times 3)) + T(4) &= 5 + T(6) \times 7 + 89 \\
&:= 98 + 7 + T(T(6) - 5) &= 4 + T(3) + T(21) \\
&:= (9 - 8)^7 + T(T(6)) + 5 + 4 &= T(T(3 \times 2)) + 10 \\
&:= 1 + 2 \times T(3) \times 4 \times 5 &= T(T(6)) - 7 + 8 + 9 \\
&:= 9 + 8 - 7 + T(T(6)) &= T(5 \times 4) + 32 - 1 \\
& &= T(5) + T(4) + T(3) + 210 \\
\\
\mathbf{242} &:= 12 \times T(T(3)) - T(4) &= T(5) - 6 + T(7) \times 8 + 9 \\
&:= (1 - 23) \times (4 - T(5)) &= T(T(6)) + 7 + T(8)/9 \\
&:= -9 - 8 + T(7) + T(T(6)) &= T(5 \times 4) + 32 \times 1 \\
&:= 9 + 8 \times T(7) - 6 + T(5) &= T(4) + T(T(3 \times 2)) + 1 \\
\\
\mathbf{243} &:= 12 + T(T(T(3))) &= 45 \times 6 - T(7) - 8 + 9 \\
&:= (1 + 2) \times 3^4 &= 567 - T(8) \times 9 \\
&:= 123 + T(T(4) + 5) &= T(-6 + T(7)) - T(T(8)/9) \\
&:= 123 + 4 \times 5 \times 6 &= 7 \times T(8) - 9 \\
&:= -9 + T(8) \times 7 &= T(T(6)) + 54 - 32 - 10 \\
&:= 9 \times T(8) - 76 + 5 - T(4) &= T(T(T(3))) + 2 + 10 \\
&:= -9 + T(8) \times (T(7) - T(6)) &= 5 + 4 + 3 + T(21) \\
& &= T(54 - 32) - 10 \\
&:= 9 \times T(8) - 76 - 5 &= 4 \times 3 + T(21) \\
& &= T(-T(4) + 32) - 10
\end{aligned}$$



$$\begin{aligned}
\mathbf{244} &:= T(12) \times 3 + T(4) &&= T(-56 + 78) - 9 \\
&:= T(-1 + 23) - 4 - 5 &&= T(T(6) - 7 + 8) - 9 \\
&:= T(9 + 8) + T(7 + 6) &&= 5 \times T(T(4)) - 32 + 1 \\
&:= 9 - 8 + 7 + T(T(6)) + 5 &&= T(4) + 3 + T(21) \\
&&&= T(4) + 3 \times T(2 + 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{245} &:= T(1 + 23) - T(T(4)) = 56 + 7 \times (T(8) - 9) \\
&:= (1 + 23) \times T(4) + 5 &&= -T(T(6)) + T(7) \times (8 + 9) \\
&:= -9 \times 8 - 7 + 6 \times 54 &&= T(T(T(3)) - 2) + T(10) \\
&:= 98 + 7 \times T(6) &&= 5 \times 4 - T(3) + T(21) \\
&&&= 5 \times (4 + 3) + 210 \\
&:= (9 - T(8) + 76) \times 5 &&= -T(T(4)) + T(3 + 21) \\
&&&= 4 + T(T(3 \times 2)) + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{246} &:= 1 + T(-2 + T(T(3))) + T(T(4)) = 5 \times 67 - 89 \\
&:= 123 \times T(4)/5 &&= T(6 \times 7) - T(T(8)) + 9 \\
&:= 9 - T(T(8)) + T(7 \times 6) &&= -54 + T(3 + 21) \\
&:= T(9 + 8) + T(7) + 65 &&= T(T(4)) + T(T(T(3)) - 2) + 1 \\
&&&= T(4) \times T(T(3)) + T(-2 + 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{247} &:= 12 + T(T(T(3))) + 4 &&= (56/T(7))^8 - 9 \\
&:= 123 + 4 + T(T(5)) &&= T(T(6)) + 7 - T(8) + T(9) \\
&:= T(9) - 8 + 7 \times 6 \times 5 &&= T(4) + T(3) + T(21) \\
&&&= 4 + T(T(T(3))) + 2 + 10 \\
&:= T(9) - T(8) + 7 + T(T(6)) &&= -5 + 4 \times 3 \times 21 \\
&&&= -T(5) + T(T(4)) - 3 + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{248} &:= 12 \times T(T(3)) - 4 = (-5 + 67) \times T(8)/9 \\
&:= T(12) + 34 \times 5 &&= -T(6) + T(7) \times 8 - T(9) \\
&:= 9 \times T(8) - 76 &&= 5 \times 4 - 3 + T(21) \\
&&&= -5 + 43 + 210 \\
&:= T(98 - 76) - 5 &&= -4 + T(T(3)) + T(21) \\
&&&= -4 + T(T(3)) \times (2 + 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{249} &:= T(-1 + 23) - 4 &&= T(T(5)) + 6 \times (T(7) - 8) + 9 \\
&:= 1 \times 234 + T(5) &&= 6 \times (7 + T(8)) - 9 \\
&:= -9 + (T(8) + 7) \times 6 &&= 54/3 + T(21) \\
&:= 9 + 8 \times T(7) + T(6) - 5 &&= -4 + T(T(3 \times 2) + 1) \\
&&&= -4 + T(32 - 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{250} &:= 1 + 234 + T(5) &&= T(T(6)) + T(7) + T(8) - T(9) \\
&:= (9 + T(8)) \times 7 - 65 &&= (4 + T(3 \times 2)) \times 10 \\
&:= -T(9) + T(8) + T(7) + T(T(6)) &&= 5 \times ((4 + 3)^2 + 1) \\
&&&= (5 + 4 \times (3 + 2)) \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{251} &:= (12/3)^4 - 5 &= T(T(6)) - 7 + T(8) - 9 \\
&:= 1 + 234 - 5 + T(6) &= -T(T(7)) + T(T(8)) - 9 \\
&:= 98 + T(7) \times 6 + T(5) &= T(4) + T(T(3 \times 2)) + 10 \\
&:= 9 + 8 \times (T(7) - 6) + T(T(5) - 4) &= T(T(T(3))) + 2 \times 10 \\
&:= -9 + T(T(8)) - T(T(7)) &= (-6 + T(T(5)) + 4 \times 3) \times 2 - 1 \\
& &= 6 + 5 + 4 \times 3 \times 2 \times 10 \\
&:= -9 + T(8) - 7 + T(T(6)) &= -5 + 4^{3+2-1} \\
& &= -T(5) + 4^{T(3)-2} + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{252} &:= 12 \times T(T(3)) &= T(4) \times T(5) - T(6) + 78 + T(9) \\
&:= T(T(1+2)) \times 3 \times 4 &= (T(56/7) - 8) \times 9 \\
&:= T(-1+23) + 4 - 5 &= T(6-7+8) \times 9 \\
&:= 12 \times (-3+45 - T(6)) &= T(7) \times (-T(8) + T(9)) \\
&:= (T(9) - T(8)) \times T(7) &= -65 - 4 + 321 \\
&:= 9 \times T(8) - 7 - 65 &= 4 \times 3 \times 21 \\
&:= (-T(9) + 87) \times 6 &= (5 + 4 + 3) \times 21 \\
& &= -5 + 4 + T(32 - 10) \\
&:= -9 + 8 - 7 + 65 \times 4 &= T(T(T(3))) + 21 \\
& &= T(T(3)) \times (2 + 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{253} &:= T(-1+23) &= 4 \times (56+7) - 8 + 9 \\
&:= T(-12+34) &= T(5) + T(T(6)) + 7 \times (-8+9) \\
&:= 1 \times T(23+4-5) &= T(-67+89) \\
&:= 12 + (T(3) - 4) \times 5 + T(T(6)) &= T(T(7)) - T(8+9) \\
&:= -T(9+8) + T(T(7)) &= T(65-43) \times (2-1) \\
&:= T(98-76) &= T(54-32) \times 1 \\
&:= -(9-8) \times 7 + 65 \times 4 &= T(T(3 \times 2) + 1) \\
& &= T(32-10) \\
&:= 9 \times T(8) - 76 + 5 &= T(43-21) \\
& &= 43 + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{254} &:= 1 + T(-2 + T(3) \times 4) = 5 \times 67 - T(8) - T(9) \\
&:= 1 + T(23 + 4 - 5) &= T(6) + T(7) \times 8 + 9 \\
&:= 9 + 8 \times T(7) + T(6) &= T(54 - 32) + 1 \\
&:= 9 + (T(8) + 7 + 6) \times 5 = T(4 \times T(3) - 2) + 1
\end{aligned}$$

$$\begin{aligned}
\mathbf{255} &:= -1 + 2^{T(3)} \times 4 &= 5 \times 6 \times 7 + T(8) + 9 \\
&:= T(1 + 23) - 45 &= -6 + 7 \times T(8) + 9 \\
&:= -12 - 3 + 45 \times 6 &= T(T(7) - 8) + T(9) \\
&:= T(9) + T(-8 + T(7)) &= -6 - T(5) + T(T(4)) \times (3 + 2) + 1 \\
& &= 65 \times 4 + 3 + 2 - 10 \\
&:= 9 \times (T(8) - 7) - 6 &= T(5) + T(4) \times (3 + 21) \\
& &= T(5) - T(4) \times 3 \times (2 - 10) \\
&:= (T(9) - 8 - 7 + T(6)) \times 5 &= 4 \times T(3) + T(21) \\
& &= T(T(4) \times 3) - 210 \\
\mathbf{256} &:= (12/3)^4 &= T(5) + T(T(6)) - 7 + 8 + 9 \\
&:= 1 \times T(23) - 4 \times 5 &= T(T(6)) - T(7) + 8 + T(9) \\
&:= T(9) + 8 - T(7) + T(T(6)) &= T(T(5)) + T(4 + T(3) \times 2 \times 1) \\
& &= T(T(5)) + T(T(4)) + 3 + T(2 + 10) \\
&:= -9 + T(8) - 7 + T(T(6)) + 5 &= 4^{3+2-1} \\
& &= 4 \times (3^2 + T(10)) \\
\mathbf{257} &:= 1 + 2^{T(3)} \times 4 &= T(T(5) - T(6) + T(7)) + T(8)/9 \\
&:= 1 + T(23) - 4 \times 5 &= 6 \times T(7) + 89 \\
&:= -9 + T(T(8)) - T(T(7)) + 6 &= 5 + 4 \times 3 \times 21 \\
&:= -9 - 8 + T(7) + T(T(6)) + T(5) &= 4^{T(3)-2} + 1 \\
& &= 4 + T(32 - 10) \\
\mathbf{258} &:= -12 + T(3) \times 45 &= T(T(6)) + T(7) + 8 - 9 \\
&:= T(98 - 76) + 5 &= 43 \times T(2 + 1) \\
&:= T(9 + 8) + T(-7 + T(6)) &= 5 + T(43 - 21) \\
& &= 5 + 43 + 210 \\
\mathbf{259} &:= T(T(T(1 + 2))) + T(3 + 4) &= T(5 \times 6 - 7) - 8 - 9 \\
&:= -1 + (2 + 3) \times (-4 + 56) &= 7 \times (-8 + T(9)) \\
&:= T(12) \times 3 + T(4) + T(5) &= 6 + T(T(7)) - T(8 + 9) \\
&:= (T(9) - 8) \times 7 &= (65 + 4^3) \times 2 + 1 \\
& &= -65 + 4 + 32 \times 10 \\
&:= (-T(9) + 8) \times (-T(7) + T(6)) &= -T(5) + 43 + T(21) \\
& &= -T(5) + 4^3 + 210 \\
&:= 9 + 8 \times T(7) + T(6) + 5 &= T(4 + 3) + T(21) \\
& &= T(T(4)) - T(3) + 210 \\
\mathbf{260} &:= (1 + 2^{T(3)}) \times 4 &= 5 \times 6 \times 78/9 \\
&:= T(12)/T(3) \times 4 \times 5 &= T(T(6)) + T(7) - 8 + 9 \\
&:= (T(9) + 8 - 7 + 6) \times 5 &= (T(4) + 3) \times 2 \times 10 \\
&:= 9 - 8 + T(7) + T(T(6)) &= T(5) - T(T(4)) + T(3 + 21) \\
& &= 54 \times (3 + 2) - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{261} &:= T(T(T(1+2))) + 3 \times T(4) = (5 \times 6 + 7 - 8) \times 9 \\
&:= (12/3)^4 + 5 &= 6 \times (T(7) + 8) + T(9) \\
&:= T(1+23) - 45 + 6 &= 7 \times T(8) + 9 \\
&:= (9 - 8 + T(7)) \times (-6 + T(5)) = T(4) \times 3 + T(21) \\
&:= 9 \times (T(8) - 7) &= -6 - 54 + 321 \\
& &= T(6) + (5 + 43)/2 \times 10 \\
&:= T(9) + (8 + T(7)) \times 6 &= -T(5) \times 4 + 321 \\
& &= 54 - 3 + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{262} &:= 12 \times T(T(3)) + T(4) = 5 + 6 \times T(7) + 89 \\
&:= T(-1 + 23) + 4 + 5 = T(T(6) - 7 + 8) + 9 \\
&:= 9 + T(8 - 7 + T(6)) = -T(T(5)) + 4 + T(T(3) + 21) \\
& &= 5 + 4 + T(32 - 10) \\
&:= 9 + T(87 - 65) = T(4) + T(T(3)) + T(21) \\
& &= T(T(4)) - 3 + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{263} &:= T(-1 + 23) + T(4) = 5 \times 67 - 8 \times 9 \\
&:= 12 \times T(T(3)) - 4 + T(5) = (6 + T(7)) \times 8 - 9 \\
&:= T(9) + 8 \times T(7) - 6 = 5 \times T(T(4)) - T(3) \times 2 \times 1 \\
& &= T(54 - 32) + 10 \\
&:= 9 + 8 \times T(7) + 6 \times 5 = T(4) + T(T(3 \times 2) + 1) \\
& &= T(-T(4) + 32) + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{264} &:= T(-1 + 2 \times T(3)) \times 4 = (5 + 6) \times (7 + 8 + 9) \\
&:= 12 \times (3 + 4 + T(5)) = 6 \times (7 - 8 + T(9)) \\
&:= (9 + 8 + 7) \times 6 + T(T(5)) = 4 \times T(T(3) \times 2 - 1) \\
&:= (T(9) - 8 + 7) \times 6 = (T(5) - 4) \times (3 + 21)
\end{aligned}$$

$$\begin{aligned}
\mathbf{265} &:= -1 + T(23) - T(4) = 5 \times (6 + 7 \times 8) - T(9) \\
&:= T(12) - 3 + T(4 + T(5)) = 6 - 7 \times (8 - T(9)) \\
&:= (T(9) - 8) \times 7 + 6 = 5 \times (-T(4) + 3 \times 21) \\
& &= 5 \times (T(4) + 32) + T(10) \\
&:= 9 - 8 + T(7) + T(T(6)) + 5 = T(T(4)) + T(T(T(3))) - 21 \\
& &= T(4 + T(3)) + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{266} &:= 1 \times T(23) - T(4) = 5 + 6 \times (T(7) + 8) + T(9) \\
&:= 9 + 8 \times 7 + T(T(6)) - T(T(5))/4 = T(T(T(3)) + 2) - 10 \\
&:= 9 \times T(8) + 7 - 65 = -T(T(4)) + 321 \\
&:= 98 + T(7) \times 6 = 5 \times (4 + 3) + T(21) \\
& &= -54 + 32 \times 10
\end{aligned}$$

$$\begin{aligned}
267 &:= 1 + T(23) - T(4) = (T(5) + 6)/7 \times 89 \\
&:= -T(12) + 345 = T(6)/7 \times 89 \\
&:= 987 - 6 \times T(T(5)) = -T(4) + T(T(T(3)) + 2) + 1 \\
&:= (9 - 8) \times 7 + 65 \times 4 = T(T(T(3))) + T(-2 + 10) \\
&:= 9 + (T(8) + 7) \times 6 = -54 + 321 \\
&= 54 + 3 + 210
\end{aligned}$$

$$\begin{aligned}
268 &:= 1 + T(23) - 4 - 5 = 67 \times T(8)/9 \\
&:= 98 + (T(7) + 6) \times 5 = T(T(4)) + 3 + 210 \\
&:= T(9) - T(8) + T(7) + T(T(6)) = T(5) + T(43 - 21) \\
&= T(5) + 43 + 210
\end{aligned}$$

$$\begin{aligned}
269 &:= 1 - 2 + T(3) \times 45 = (T(6) + 7) \times 8 + T(9) \\
&:= -1^{23} + 45 \times 6 = T(7) \times 8 + T(9) \\
&:= T(9) + 8 \times T(7) = 65 \times 4 + 3^2 \times 1 \\
&= -6 - T(5 + 4) + 32 \times 10 \\
&:= T(9) + 8 \times (7 + T(6)) = 54 \times (3 + 2) - 1 \\
&= -5 + 4^3 + 210
\end{aligned}$$

$$\begin{aligned}
270 &:= (1 + 2)^3 \times T(4) = 5 \times (6 \times 7 - T(8)) \times 9 \\
&:= 1 \times 2 \times 3 \times 45 = 6 \times (T(7) + 8 + 9) \\
&:= 9 \times (8 - 7) \times 6 \times 5 = T(4) \times 3^{2+1} \\
&:= 9 \times (8 + T(7) - 6) = 54 \times (3 + 2) \times 1 \\
&= 54 + T(3) + 210
\end{aligned}$$

$$\begin{aligned}
271 &:= -1 + T(23) + 4 = (5 + T(6)) \times 7 + 89 \\
&:= 1 + 2 \times 3 \times 45 = T(6 + T(7)) - T(8) \times 9 \\
&:= -9 \times T(8) + T(T(7) + 6) = 54 \times (3 + 2) + 1 \\
&= 54 \times (T(3) - 2) + T(10) \\
&:= -9 + T(8) + T(7) + T(T(6)) - T(5) = T(T(4) + T(3)) \times 2 - 1 \\
&= T(T(4)) + T(3) + 210
\end{aligned}$$

$$\begin{aligned}
272 &:= 1 \times T(23) - 4 = 5 + 6 + 7 \times T(8) + 9 \\
&:= 1 \times 2 + T(3) \times 45 = T(6) - T(T(7)) + T(T(8)) - 9 \\
&:= -9 + T(T(8)) - T(T(7)) + T(6) = 5 \times 4 + T(T(3)) + T(21) \\
&= 5 \times 43 + 2 + T(10) \\
&:= 9 \times (T(8) - 7) + 6 + 5 = T(T(4) + T(3)) \times 2 \times 1 \\
&= 4 \times (T(T(3) \times 2) - 10)
\end{aligned}$$

$$\begin{aligned}
273 &:= 1 + T(23) - 4 = (5 + T(6) + 7) \times 8 + 9 \\
&:= 123 + T(4) \times T(5) = T(T(6))/7 \times 8 + 9 \\
&:= 9 - 87 + T(T(6) + 5) = (T(4) + 3) \times 21 \\
&:= 9 \times 8 \times 7 - T(T(6)) = T(5) + 43 \times T(2 + 1) \\
&= 5 \times 4 + T(32 - 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{274} &:= -1 + (2+3) \times T(T(4)) &= 5 - T(6+7) + 8 \times T(9) \\
&:= -1 + T(23) + 4 - 5 &= -6 + T(7) \times T(T(8)/9) \\
&:= T(9+8+7) - T(6) - 5 &= 43 + T(21) \\
& &= 4^3 + 210 \\
&:= -T(9+8) + T(T(7)) + T(6) &= T(T(5) + 4 + 3) + 21 \\
& &= T(5 \times 4) + 3^2 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{275} &:= -1 + T(23) &= (-4 + 56) \times 7 - 89 \\
&:= (1 \times 2 + 3) \times T(T(4)) &= 5 \times (-6 - T(7) + 89) \\
&:= (1 - T(23)) \times (4 - 5) &= 6 + T(7) \times 8 + T(9) \\
&:= -9 + 8 \times T(7) + 6 + 54 &= T(T(T(3)) + 2) - 1 \\
& &= (3+2) \times T(10) \\
&:= T(9) + 8 \times T(7) + 6 &= 5 \times T(T(4)) \times 3 / (2+1) \\
& &= 5 \times (43 + 2 + 10) \\
&:= 9 + 8 + T(T(7) - 6) + 5 &= T(T(T(4)) - 32) - 1 \\
& &= (4 + 3 - 2) \times T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{276} &:= T(1 \times 23) &= T(45 + 67 - 89) \\
&:= T((1+2)^3 - 4) &= T(T(5)) + 67 + 89 \\
&:= 12 \times (3 + 4 \times 5) &= T(6 + 7 + 8) + T(9) \\
&:= (T(9) + 8 - 7) \times 6 &= T(54 - 32 + 1) \\
&:= T(T(9) - 87 + 65) &= T(4 \times 3 \times 2 - 1) \\
& &= T(43 - 2 \times 10) \\
&:= T(9 - 8 + 76 - 54) &= T(T(T(3)) + 2 \times 1) \\
& &= T(3 + 2 \times 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{277} &:= 1 + T(23) &= 4 \times (5 + 6 \times 7) + 89 \\
&:= 1 + T(-2 + T(T(3)) + 4) &= T(T(5)) + (T(6) - 7) \times 8 + T(9) \\
&:= 1 - T(23) \times (4 - 5) &= T(T(6)) - 7 + 8 + T(9) \\
&:= T(9) + 8 - 7 + T(T(6)) &= T(T(5)) + T(4 \times 3) \times 2 + 1 \\
&:= (-9 + 8 \times 7) \times 6 - 5 &= T(T(T(4)) - 32) + 1 \\
&:= 9 - 8 \times 7 + 6 \times 54 &= T(T(T(3)) + 2) + 1
\end{aligned}$$

$$\begin{aligned}
\mathbf{278} &:= 1 + T(23) - 4 + 5 &= T(T(6)) + 7 \times 8 - 9 \\
&:= 9 \times 8 \times 7 - T(T(6)) + 5 &= T(T(4)) + T(T(T(3))) + 2 - 10 \\
&:= -9 + 8 \times 7 + T(T(6)) &= 5 \times T(4) - 3 + T(21) \\
& &= (5 + 4) \times 32 - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{279} &:= -1 + T(23) + 4 &= (5 \times 6 - 7 + 8) \times 9 \\
&:= T(12) \times 3 + 45 &= (67 - T(8)) \times 9 \\
&:= T(9 + 8 + 7) - T(6) &= (5 + 4) \times (32 - 1) \\
& &= 5 + 4^3 + 210 \\
&:= -9 + 8 + T(T(7)) - 6 - T(T(5)) &= T(4 \times T(3)) - 21 \\
& &= 4 + (3 + 2) \times T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{280} &:= 1 \times T(23) + 4 &= 5 + 6 - T(T(7)) + T(T(8)) + 9 \\
&:= T(1 + 23) - 4 \times 5 &= T(6) - 7 \times (8 - T(9)) \\
&:= (12 - 3 - 4) \times 56 &= T(7) \times T(T(8)/9) \\
&:= (T(9) - 8) \times 7 + T(6) &= -5 \times 4 + T(3 + 21) \\
&&= 54 \times (3 + 2) + 10 \\
&:= (98 - 7 \times 6) \times 5 &= 4 + T(T(T(3))) + 2 \times 1 \\
&&= (-4 + 32) \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{281} &:= 1 + T(23) + 4 &= 5 - T(6) + 7 \times T(8) + T(9) \\
&:= T(1 + 23) - 4 - T(5) &= (6 + T(7)) \times 8 + 9 \\
&:= 98 + T(7) \times 6 - T(5) &= 4 + T(T(T(3))) + 2 + 1 \\
&:= 9 + 8 \times (T(7) + 6) &= -T(5) - 4 + T(3 + 21) \\
&&= T(5) + 4^{T(3)-2} + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{282} &:= 12 + T(3) \times 45 &= 6 \times (7 \times 8 - 9) \\
&:= (-9 + 8 \times 7) \times 6 &= 54 - 3 + T(21) \\
&:= -98 + 76 \times 5 &= -4 + T(T(3 \times 2)) + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{283} &:= T(T(T(1 + 2))) - 3 + T(T(4)) &= T(5) + 67 \times T(8)/9 \\
&:= 12 \times T(3) \times 4 + 5 &= T(T(6)) + 7 + T(8) + 9 \\
&:= T(9) \times 8 - 7 \times (6 + 5) &= T(T(4)) - 3 + T(21) \\
&:= 9 + T(8) + 7 + T(T(6)) &= 5 \times T(T(4)) + T(3) + 2 \times 1 \\
&&= T(5) + 4 \times (T(3) \times 2 + T(10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{284} &:= -1 \times 2 + T(T(T(3))) + T(T(4)) &= T(5) \times (6 + 7) + 89 \\
&:= -1 + T(23) + 4 + 5 &= T(T(6)) - T(7) + T(8) + T(9) \\
&:= T(9) \times 8 - 76 &= 5 \times T(4) + 3 + T(21) \\
&:= 9 + 8 + 7 + 65 \times 4 &= T(T(T(3))) - 2 + T(10) \\
&:= -9 - 8 + T(T(7)) - T(6) \times 5 &= T(T(4)) + T(T(T(3))) - 2 \times 1 \\
&&= -4 + T(T(T(3))) + 2 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{285} &:= -1 + T(23) + T(4) &= T(5) \times (T(6 + 7) - 8 \times 9) \\
&:= (12 + 3) \times (4 + T(5)) &= T(-6 - 7 + T(8)) + 9 \\
&:= (T(9) + 8 - T(7) - 6) \times T(5) &= T(T(4)) + T(T(3 \times 2)) - 1 \\
&&= T(T(4)) \times (3 + 2) + 10 \\
&:= 9 + T(T(8) - 7 - 6) &= 5 \times (T(4 \times 3) - 21) \\
&&= 5 - (4 - 32) \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{286} &:= 1 \times T(23) + T(4) &= 5 \times (67 - 8) - 9 \\
&:= 1 + T(23) + 4 + 5 &= T(T(6)) + T(-7 + 8 + 9) \\
&:= T(9 + 8 - 7) + T(T(6)) &= 5 \times T(T(4)) + T(3) \times 2 - 1 \\
&:= -98 + T(T(7)) - T(6) - 5 + 4 &= T(T(3 \times 2)) + T(10) \\
&:= -9 \times 8 + 7 + T(T(6) + 5) &= T(4 + T(3)) + T(21) \\
&&= T(T(4 \times 3/2)) + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{287} &:= 1 + T(23) + T(4) &= (5 \times 6 + 7) \times 8 - 9 \\
&:= 1 \times T(23) - 4 + T(5) &= -T(T(6)) + 7 \times T(T(8))/9 \\
&:= -9 + 8 \times (-T(7) + 65) &= T(4) + T(T(T(3))) + 2 + 1 \\
&:= -98 + T(T(7)) - T(6) &= (5 + 4) \times 32 - 1 \\
&&= T(T(5)) - 43 + 210 \\
\mathbf{288} &:= 12 \times T(3) \times 4 &= (5 + 67) \times T(8)/9 \\
&:= T(1 + 2) \times (3 + 45) &= 6 \times (-7 + T(T(T(8)/9))) \\
&:= ((9 - 8) \times 7 + 65) \times 4 &= T(T(T(3))) + 2 + T(10) \\
&:= T(9) \times 8 - 7 - 65 &= (4 - T(T(3)))^2 - 1 \\
&&= T(4 \times 3) + 210 \\
\mathbf{289} &:= T(12) \times 3 + T(T(4)) &= T(5 - 6 + T(7)) - 89 \\
&:= 98/7 \times T(6) - 5 &= T(T(4)) + 3 + T(21) \\
\mathbf{290} &:= T(1 + 23) - T(4) &= 5 \times 67 - T(8) - 9 \\
&:= (T(1 + 2) - 3 + T(T(4))) \times 5 &= -6 - T(7) + T(8) \times 9 \\
&:= 9 \times T(8) - T(7) - 6 &= 5 \times T(T(4)) - T(3) + 21 \\
&&= (5 \times 4 + 3^2) \times 10 \\
&:= (9 + T(8) + 7 + 6) \times 5 &= -T(4) + T(3 + 21) \\
&&= T(4) \times (T(T(3)) - 2 + 10) \\
\mathbf{291} &:= T(T(T(1 + 2))) + T(3) \times T(4) &= 5 \times 6 + 7 \times T(8) + 9 \\
&:= T(1 + 23) - 4 - 5 &= 6 \times 7 \times 8 - T(9) \\
&:= 9 + 8 \times 7 + T(T(6)) - 5 &= T(4) \times T(3) + T(21) \\
&:= -T(9) + 8 \times 7 \times 6 &= 54 + T(3) + T(21) \\
&&= T(T(T(5)))/T(4) + 3 + 210 \\
\mathbf{292} &:= T(1 + 2) + T(T(T(3))) + T(T(4)) &= T(5) + T(T(6)) - 7 + 8 + T(9) \\
&:= 1 + T(23) + T(4) + 5 &= T(T(6)) - T(7) + 89 \\
&:= -9 + T(8) + T(T(7)) - T(6) - T(T(5)) &= T(T(4)) + T(3) + T(21) \\
&&= 4 + T(T(T(3))) + 2 + T(10) \\
\mathbf{293} &:= -1 \times 2 + T(T(3) \times 4) - 5 &= -67 + 8 \times T(9) \\
\mathbf{294} &:= -T(1 + 2) + T(T(3) \times 4) &= T(5) - T(6) + T(7 + 8 + 9) \\
&:= T(12) \times 3 + 4 \times T(5) &= -6 + T(7 + 8 + 9) \\
&:= 98/7 \times T(6) &= T(5) \times 4 + 3 + T(21) \\
&:= 98 + 76 + T(T(5)) &= T(4 \times T(3)) - T(2 + 1) \\
\mathbf{295} &:= 9 + T(T(8)) - 76 \times 5 &= 4^3 + T(21)
\end{aligned}$$



$$\begin{aligned}
\mathbf{296} &:= T(1+23) - 4 &= -T(5) - 6 + T(T(7)) - 89 \\
&:= T(1 \times 23) + 4 \times 5 &= T(T(6)) - 7 + 8 \times 9 \\
&:= T(12)/3 + 45 \times 6 &= -T(7) + T(8) \times 9 \\
&:= 9 \times T(8) - T(7) &= 6 \times 54 - T(3 \times 2 + 1) \\
&:= 9 \times 8 - 7 + T(T(6)) &= -T(5) - T(4) + 321 \\
& &= 5 \times 4 + T(3 + 2 \times 10) \\
&:= 9 \times T(8) - T(7) \times (6 - 5) &= -4 + T(3 + 21) \\
& &= T(4 \times T(3) + 2) - T(10) \\
\mathbf{297} &:= -1 - 2 + T(T(3) \times 4) &= (-5 + 6) \times 7 \times T(8) + T(9) \\
&:= 1 + T(23) + 4 \times 5 &= (-T(6)/7 + T(8)) \times 9 \\
&:= (1 + 2)^3 + 45 \times 6 &= 7 \times T(8) + T(9) \\
&:= 9 \times T(8) - T(7) + 6 - 5 &= T(4 \times T(3)) - 2 - 1 \\
&:= T(9) + T(8) \times (T(7) - T(6)) &= (5 + 4) \times (32 + 1) \\
& &= T(T(5) + 4) - 3 + 2 \times T(10) \\
&:= T(9) + T(8) \times 7 &= 6 \times 54 - T(3) - 21 \\
& &= T(T(6) - 5 + 4) + 32 + T(10) \\
\mathbf{298} &:= -1 \times 2 + T(T(3) \times 4) &= 5 \times 67 + 8 - T(9) \\
&:= T(-1 + 23) + 45 &= T(T(6) - 7 + 8) + T(9) \\
&:= T(9) + T(87 - 65) &= T(4 \times T(3)) - 2 \times 1 \\
&:= 9 + T(8) + T(T(7) - 6) &= T(5) \times T(T(4)) - T(32) + 1 \\
& &= (5 + 4) \times 32 + 10 \\
\mathbf{299} &:= 1 - 2 + T(T(3) \times 4) &= 5 \times 6 \times 7 + 89 \\
&:= T(1 + 23) + 4 - 5 &= -6 - T(T(7)) + T(T(8)) + T(9) \\
&:= 98/7 \times T(6) + 5 &= T(4 \times 3 \times 2) - 1 \\
&:= T(9) + T(T(8)) - T(T(7)) - 6 &= 5 \times 4^3 - 21 \\
\mathbf{300} &:= T(1 + 23) &= (4 - 5 + 6) \times (7 + 8 + T(9)) \\
&:= (T(12) - 3) \times 4 &= 5 \times 6 \times (-7 + 8 + 9) \\
&:= (12 + 3) \times 4 \times 5 &= T(T(6)) + 78 - 9 \\
&:= (1 \times 2 + 3 + 45) \times 6 &= T(7 + 8 + 9) \\
&:= (T(9) - 8 + 7 \times (-6 + 5)) \times T(4) &= T(3 + 21) \\
&:= T(9 + 8 + 7) &= (6 + 54) \times (3 + 2) \times 1 \\
& &= (6 - 5 + 4) \times 3 \times 2 \times 10 \\
&:= T(T(9) - 8 - 7 - 6) &= T((5 + 43)/2) \times 1 \\
& &= 5 \times 4^3 - 2 \times 10 \\
&:= T(9 + 8 + 7) \times (6 - 5) &= T(4 \times 3 \times 2 \times 1) \\
& &= (T(4 + 3) + 2) \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{301} &:= 1 + T(2 \times 3 \times 4) = 5 \times (6 + 7 \times 8) - 9 \\
&:= T(1 + 23) - 4 + 5 = T(6) + T(7) \times T(T(8)/9) \\
&:= 98 - T(7) + T(T(6)) = -5 \times 4 + 321 \\
&= -T(5) - 4 + 32 \times 10 \\
&:= T(9 + 8 + 7) + 6 - 5 = T(4 \times 3 \times 2) + 1 \\
&= T(T(4) + 3) + 210 \\
\mathbf{302} &:= 1 \times 2 + T(T(3) \times 4) = -5 \times 6 - T(7) + 8 \times T(9) \\
&:= 12 + (3 + T(T(4))) \times 5 = 6 - T(7) + T(8) \times 9 \\
&:= T(9) \times 8 + 7 - 65 = T(4 \times T(3)) + 2 \times 1 \\
&= 4 \times T(T(3) \times 2) - 10 \\
&:= T(-9 + T(8)) - 76 = -T(5) - 4 + 321 \\
&= T(T(5)) \times 4 - T(T(T(3))) - 2 + T(10) \\
\mathbf{303} &:= 1 + 2 + T(T(3) \times 4) = 56 \times 7 - 89 \\
&:= 12 \times T(3) \times 4 + T(5) = 6 + 7 \times T(8) + T(9) \\
&:= T(9) + (T(8) + 7) \times 6 = 54 \times T(3) - 21 \\
&:= -98 + T(7 + T(6)) - 5 = T(4 \times T(3)) + 2 + 1 \\
\mathbf{304} &:= T(1 + 23) + 4 = 5 \times (67 - 8) + 9 \\
&:= 1 - 2 + (T(3) + T(T(4))) \times 5 = T(T(6)) + T(7) + T(8) + 9 \\
&:= (9 + T(8)) \times 7 - 6 - 5 = 4 + T(3 + 21) \\
&:= 9 + T(8) + T(7) + T(T(6)) = 5^4 - 321 \\
&= (5 - 43) \times (2 - 10) \\
\mathbf{305} &:= T(12) + T(T(T(3))) - 4 = (5 \times 6 + 7) \times 8 + 9 \\
&:= (T(12) - 3) \times 4 + 5 = T(T(6)) - 7 + T(8) + T(9) \\
&:= -1 + (2 + 3) \times 4 \times T(5) + 6 = -T(T(7)) + T(T(8)) + T(9) \\
&:= T(9) + T(T(8)) - T(T(7)) = (-6 + 5 \times T(4)) \times 3 \times 2 + 1 \\
&= T(T(6) + 5) + 4 - (3 + 2) \times 10 \\
&:= T(9) + T(8) - 7 + T(T(6)) = 5 \times (4^3 - 2 - 1) \\
&= 5^4 - 32 \times 10 \\
&:= 9 - 8 \times (T(7) - 65) = T(-4 + T(T(3))) \times 2 - 1 \\
&= -4 + T(T(T(3))) + T(2 + 10) \\
\mathbf{306} &:= 1 \times 2 \times T(T(T(3)) - 4) = (5 + 6 + 7) \times (8 + 9) \\
&:= T(1 + 2) \times (T(3) + 45) = (6 \times 7 - 8) \times 9 \\
&:= T(9 + 8 + 7) + 6 = -5 - T(4) + 321 \\
&:= (9 + 8) \times (7 + 6 + 5) = T(-4 + T(T(3))) \times 2 \times 1 \\
&= T(T(4)) + T(T(T(3))) + 2 \times 10 \\
\mathbf{307} &:= 1 + 2 \times T(T(T(3)) - 4) = -T(T(5)) + T(6) + T(T(7)) \times (-8 + 9) \\
&:= 9 \times T(8) - T(7) + 6 + 5 = T(T(4)) + T(T(T(3))) + 21
\end{aligned}$$

$$\begin{aligned}
\mathbf{308} &:= T(-1+23) + T(T(4)) &= 5 \times 67 - T(8) + 9 \\
&:= T(1+2 \times 3) \times (-4+T(5)) = T(-6+T(7)) + T(T(T(8)/9)) \\
&:= -98 + T(T(7)) &= 6 - T(5) - 4 + 321 \\
& &= T(6) + T(T(5)) - 43 + 210 \\
&:= -98 + T(7+T(6)) &= 5 \times T(T(4)) + 32 + 1 \\
& &= 5 \times 4^3 - 2 - 10 \\
&:= 98 + 7 \times 6 \times 5 &= 4 \times (T(T(3) \times 2) - 1) \\
& &= T(4 \times T(3)) - 2 + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{309} &:= T(12) + T(T(T(3))) &= 4 \times T(5+6) \times (-7+8) + T(9) \\
&:= T(T(T(1+2))) + T(3 \times 4) = 56 + T(T(7)) - T(8+9) \\
&:= T(1+23) + 4+5 &= -6 + 7 \times (T(8) + 9) \\
&:= (9+T(8)) \times 7-6 &= 5 \times (4^3 - 2) - 1 \\
& &= -T(5) + 4 + 32 \times 10 \\
&:= 9 + (8+7) \times T(6) - T(5) &= T(4 \times 3) + T(21) \\
&:= 98 + 7 - 6 + T(5 \times 4) &= T(T(T(3))) + T(2+10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{310} &:= T(1+23) + T(4) &= -T(5) - 6 + 7 + T(8) \times 9 \\
&:= 1 \times T(23-4) + T(T(5)) = T(T(6)) + 7 + 8 \times 9 \\
&:= 9 \times T(8) + 7 - T(6) &= -T(5) + 4 + 321 \\
& &= (-5 + 4 + 32) \times 10 \\
&:= 9 \times 8 + 7 + T(6+T(5)) &= T(4) \times (32-1) \\
& &= T(4) \times 32 - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{311} &:= -1 + T(2 \times T(3)) \times 4 = -56 + 7 + 8 \times T(9) \\
&:= T(1+23) - 4 + T(5) = -67 + T(T(8) - 9) \\
&:= T(9+8+7) + 6+5 &= -T(4) + 321 \\
&:= 9 \times T(8) - 7 - 6 &= 5 \times (4^3 - 2) + 1 \\
& &= 5 \times T(T(4)) + 3 \times (2+10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{312} &:= 12 + T(T(3) \times 4) &= -T(5) + 6 \times 7 \times 8 - 9 \\
&:= -T(12) \times (-3+4-5) &= 6 \times (7+T(8)+9) \\
&:= (9+T(8)+7) \times 6 &= 543 - T(21) \\
&:= T(9) + 8 \times (T(7)+6) - 5 = 4 \times T(T(3) \times 2 \times 1) \\
& &= T(4 \times T(3)) + 2 + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{313} &:= 1 + T(2 \times T(3)) \times 4 &= T(T(5)+6) - 7 + 89 \\
&:= T((1+2)^3) + T(T(4)) - T(T(5)) = T(T(6)) - 7 + 89 \\
&:= -9 \times 8 + T(T(7)) - T(6) &= -T(T(5)) + 432 + 1 \\
&:= -98 + T(7+T(6)) + 5 &= 4 \times T(T(3) \times 2) + 1 \\
& &= T(4+T(T(3))) - 2 - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{314} &:= 1 - 2 \times T(3) + T(T(4) + T(5)) = T(T(6)) + T(7) + T(T(T(8)/9)) \\
&:= (9+T(8)) \times 7 - 6 + 5 &= -4 + T(3) \times (-2+T(10)) \\
&:= -98 + T(T(7)) + 6 &= -5 + T(4) \times 32 - 1 \\
& &= 54 \times 3 \times 2 - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{315} &:= T(T(T(1+2))) + T(T(3)) \times 4 = 5 \times (-6 + 78 - 9) \\
&:= 1 \times 2 \times T(T(3)) \times T(4) - 5 \times T(6) = 7 \times (T(8) + 9) \\
&:= (1 + 2 \times 3) \times 45 &= (6 - 7 + 8) \times T(9) \\
&:= (9 + T(8)) \times 7 &= -6 \times (5 - 4) + 321 \\
&:= 9 \times (8 \times 7 - T(6)) &= 5 + T(4) \times (32 - 1) \\
& &= 5 + T(4) \times 32 - 10 \\
&:= (9 + T(8)) \times 7 \times (6 - 5) &= 4 \times T(T(3)) + T(21) \\
& &= T(4 + T(3 \times 2)) - 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{316} &:= 1 + T(2 \times T(3)) \times 4 = 5 - 6 + T(T(7)) - 89 \\
&:= -1 + 2 + T(T(3) \times 4) + T(5) = T(T(T(6))/7 - 8) - 9 \\
&:= (9 + T(8)) \times 7 + 6 - 5 &= 4 \times (T(T(3) \times 2) + 1) \\
& &= -4 + 32 \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{317} &:= 12 + T(T(3) \times 4) + 5 = T(T(6) + 7) - 89 \\
&:= -1 - 23 - T(4) + T(5 + T(6)) = T(T(7)) - 89 \\
&:= 9 \times T(8) - 7 \times (6 - 5) &= -4 + 321 \\
&:= T(9) + 8 \times (T(7) + 6) &= 5 \times 4^3 - 2 - 1 \\
&:= 9 \times T(8) - 7 &= 65 + 4 \times 3 \times 21 \\
& &= (T(6) + 5) \times 4 + 3 + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{318} &:= -12 + T(3) \times T(T(4)) = 5 \times 67 - 8 - 9 \\
&:= 1 + 2 \times T(T(3)) + T(T(4)) \times 5 = T(T(6)) + 78 + 9 \\
&:= (T(9) + 8) \times (7 - 6 + 5) &= T(T(4)) \times T(3) - 2 - 10 \\
&:= -9 + 8 \times 7 \times 6 - 5 - 4 &= T(3) \times (-2 + T(10)) \\
&:= T(9) \times 8 - 7 \times 6 &= 5 \times 4^3 - 2 \times 1 \\
& &= (5 + 4 - 3) \times (-2 + T(10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{319} &:= T(12) + T(T(T(3))) + T(4) = 5 \times (6 + 7 \times 8) + 9 \\
&:= (T(12) + 3) \times 4 - 5 = T(T(6)) + 7 + T(8) + T(9) \\
&:= 9 + (8 \times 7 + 6) \times 5 &= T(4) \times 32 - 1 \\
&:= T(9) + T(8) + 7 + T(T(6)) &= 5 \times 4^3 - 2 + 1 \\
& &= -5 + 4 + 32 \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{320} &:= T(1 + 23) + 4 \times 5 = T(T(T(T(6)/7))) + 89 \\
&:= 9 \times T(8) + 7 - 6 - 5 = T(4) \times 32 \times 1 \\
& &= 4^3 / 2 \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{321} &:= T(T(1 + 2)) + T(T(3) \times 4) = (5 + 6 + T(7)) \times 8 + 9 \\
&:= 1 \times T(23) + 45 &= 6 + 7 \times (T(8) + 9) \\
&:= (9 + T(8)) \times 7 + 6 &= (5 - 4) \times 321 \\
& &= 5 - 4 + 32 \times 10 \\
&:= -9 + 8 + 7 + T(6) \times T(5) &= T(4) \times 32 + 1 \\
&:= T(9 + 8) - 7 \times 6 + T(5 \times 4) = 321
\end{aligned}$$

$$\begin{aligned}
\mathbf{322} &:= -1 - 2 + T(T(T(3)) + 4) = 5 + (6 + T(7)) \times 8 + T(9) \\
&:= 98 - 7 + T(T(6)) &= 5 - 4 + 321 \\
&:= 98 - 7 + T(6 + T(5)) &= T(T(4) + 3) + T(21) \\
&&= 4 \times T(T(3) \times 2) + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{323} &:= T((1 + 2)^3) - T(T(4)) = 5 + T(T(6)) + 78 + 9 \\
&:= 9 \times T(8) - 7 + 6 &= 54 \times 3 \times 2 - 1 \\
&:= T(9) \times 8 + T(7) - 65 &= T(4 + T(T(3))) - 2 \times 1
\end{aligned}$$

$$\begin{aligned}
\mathbf{324} &:= (T(12) + 3) \times 4 &= (T(5) + 6) \times (7 + 8) + 9 \\
&:= 12 \times 3 \times (4 + 5) &= (T(6) + 7 + 8) \times 9 \\
&:= 1 \times 234 + T(5) \times 6 &= (T(7) + 8) \times 9 \\
&:= 9 + (8 + 7) \times T(6) &= (54/3)^2 \times 1 \\
&:= 9 \times (8 + T(7)) &= (65 + 43) \times (2 + 1) \\
&&= 6 \times 54 + 321 \times 0 \\
&:= (T(9) - 8) \times 7 + 65 &= T(4 + T(3 \times 2)) - 1 \\
&&= 4 + 32 \times 10 \\
&:= 9 \times T(8) &= T(7) - 6 - T(5) - 4 + 321 \\
&&= 76 - 5 + 43 + 210
\end{aligned}$$

$$\begin{aligned}
\mathbf{325} &:= T(12 + 3 + T(4)) &= T(56/7 + 8 + 9) \\
&:= T(1 + 23 - 4 + 5) &= T(6 \times 7 - 8 - 9) \\
&:= -1 + 2 + 345 - T(6) &= T(T(7)) - T(8) - T(9) \\
&:= 9 + 8 - 7 + T(6) \times T(5) &= 4 + 321 \\
&:= 9 - 8 + (76 + 5) \times 4 &= T(T(3 + 2) + 10) \\
&:= T(T(9) + 8 - T(7)) &= (6 - 5) \times (4 + 321) \\
&&= T(6 + 54/(3 \times 2) + 10) \\
&:= 9 \times T(8) + 7 - 6 &= 54 \times 3 \times 2 + 1 \\
&&= 5 \times 43 + 2 \times T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{326} &:= 1 \times T(23) + T(4) \times 5 = -6 - T(7) + 8 \times T(9) \\
&:= 1 + T(T(2 \times 3) + 4) &= 5 \times 67 + T(8) - T(9) \\
&:= T(9) \times 8 - T(7) - 6 &= T(5) - T(4) + 321 \\
&:= (9 + T(8)) \times 7 + 6 + 5 &= T(4 + T(3 \times 2)) + 1 \\
&&= -4 + 3 \times 2 \times T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{327} &:= 1 \times 2 + T(T(T(3)) + 4) &= T(T(5) + 6) + 7 + 89 \\
&:= 9 \times (T(8) - 7) + T(6 + 5) &= T(T(4)) \times T(3) - 2 - 1 \\
&:= 9 + 87 + T(T(6)) &= 54 \times T(3) + 2 + 1 \\
&&= -T(5) + T(T(4)) \times T(3) + 2 + 10 \\
&:= 1 + T(23) + T(4) \times 5 &= 6 \times 7 \times 8 - 9
\end{aligned}$$

$$\begin{aligned}
\mathbf{328} &:= -T(12) + T(T(3+4)) &= 5+6-7+T(8) \times 9 \\
&:= 1+2+T(3) \times T(T(4)) - 5 &= -6+T(T(7)) - 8 \times 9 \\
&:= -9 \times 8 + T(T(7)) - 6 &= (T(T(5)) - T(4)) \times 3 - 2 \times 1 \\
& &= 5 \times 4^3 - 2 + 10 \\
&:= 9 \times (T(8) + 7 - 6) - 5 &= T(T(4)) \times T(3) - 2 \times 1 \\
& &= T(4) + T(3) \times (-2 + T(10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{329} &:= -1 + 2 \times 3 \times T(T(4)) &= -5 \times (6-7) + T(8) \times 9 \\
&:= (T(12) + 3) \times 4 + 5 &= -T(6) - T(7) + T(T(8) - 9) \\
&:= -98 + T(T(7)) + T(6) &= 5 \times (4^3 + 2) - 1 \\
& &= 5 + 4 + 32 \times 10 \\
&:= -98 + T(T(7)) + 6 + T(5) &= T(T(4)) \times 3 \times 2 - 1 \\
& &= 4 + T(T(3+2) + 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{330} &:= (-12 + 34) \times T(5) &= 6 + (T(7) + 8) \times 9 \\
&:= (12 + T(T(3))) \times T(4) &= 5 \times (67 + 8 - 9) \\
&:= T(-9 + 8 + T(7)) + 6 - 54 &= 3 \times 2 \times T(10) \\
&:= T(9 + 8 - 7) \times 6 &= 5 + 4 + 321 \\
& &= (5 - 4 + 32) \times 10 \\
&:= (98 - 76) \times T(5) &= T(4) \times (32 + 1) \\
& &= T(4) \times 32 + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{331} &:= 1 \times T(23) + T(T(4)) &= (5 + 6 \times 7) \times 8 - T(9) \\
&:= 12 \times T(3+4) - 5 &= T(T(6)) + T(7) + 8 \times 9 \\
&:= (1 - 2 + 3) \times T(4) \times 5 + T(T(6)) &= 7 + T(8) \times 9 \\
&:= 9 \times T(8) + 7 &= 6 \times 54 + 3 \times 2 + 1 \\
&:= 9 \times T(8) + T(7) - T(6) &= 5 \times (4^3 + 2) + 1 \\
&:= -9 + (-8 + 76) \times 5 &= T(4) + 321 \\
&:= 9 \times (8 + T(7)) + 6 + 5 - 4 &= T(T(T(3)) + 2) + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{332} &:= 1 + T(23) + T(T(4)) &= -T(5) - 6 - 7 + 8 \times T(9) \\
&:= T(T(12)/3) - 4 - T(5) &= T(T(6)) + 7 \times 8 + T(9) \\
&:= 1 \times 2 + 3 \times T(4) \times (5 + 6) &= -T(7) + 8 \times T(9) \\
&:= T(9) \times 8 - T(7) &= 6 - 5 + T(4) + 321 \\
&:= T(9) \times 8 - 7 - T(6) &= T(5) - 4 + 321 \\
&:= 9 + 87 + T(T(6)) + 5 &= T(T(4)) \times T(3) + 2 \times 1 \\
& &= -T(4) + T(3) \times (2 + T(10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{333} &:= 1 + 2 + T(3) \times T(T(4)) &= T(5) - 6 + (T(7) + 8) \times 9 \\
&:= -12 + 345 &= (-6 + 7 + T(8)) \times 9 \\
&:= 9 \times (T(8) + 7 - 6) &= (5 + 4) \times (T(3)^2 + 1) \\
& &= 543 - 210 \\
&:= -9 \times 8 + T(T(7)) - 6 + 5 &= T(T(4)) \times T(3) + 2 + 1 \\
& &= T(4 + T(T(3))) - 2 + 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{334} &:= 1 - 2 + T(3) \times T(T(4)) + 5 = T(T(6) + 7) - 8 \times 9 \\
&:= 12 \times 3 \times T(4) - 5 - T(6) = T(T(7)) - 8 \times 9 \\
&:= T(9) + 8 \times T(7) + 65 = 4 + 3 \times 2 \times T(10) \\
&:= -9 \times 8 + T(T(7)) = (-T(6) + T(T(5)) + 4 + T(T(T(3)))) \times (2 - 1) \\
&= 654 - 32 \times 10 \\
&:= -9 \times 8 + T(7 + T(6)) = T(5) + T(4) \times 32 - 1 \\
&= 54 \times 3 \times 2 + 10
\end{aligned}$$

$$\mathbf{335} := -9 \times 8 + T(T(7)) + 6 - 5 = T(4 + T(3 \times 2)) + 10$$

$$\begin{aligned}
\mathbf{336} &:= 12 \times T(3 + 4) = 5 \times 67 - 8 + 9 \\
&:= T(1 \times 23) + 4 \times T(5) = T(6) + 7 \times (T(8) + 9) \\
&:= 98 + 7 + T(T(6)) = 5 + T(4) + 321 \\
&:= 98 + 7 + T(6 + T(5)) = (T(4) + T(3)) \times 21 \\
&= T(4 + 3) \times (2 + 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{337} &:= 12 + T(3 \times T(4) - 5) = 6 + 7 + T(8) \times 9 \\
&:= 12 + T(T(T(3)) + 4) = 5 - T(6) - 7 + 8 \times T(9) \\
&:= T(9) \times 8 - 7 - T(6) + 5 = -4 + T(T(T(3))) + 2 \times T(10) \\
&:= 9 \times T(8) + 7 + 6 = T(T(5) + T(4)) + T(3) \times 2 \times 1 \\
&= 5 \times T(4 \times 3) + 2 - T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{338} &:= 1 + 2 \times T(3) + T(T(4) + T(5)) = T(6) + T(T(7)) - 89 \\
&:= 9 + 8 \times T(7) + T(6) \times 5 = -4 + T(3) \times (2 + T(10)) \\
&:= 9 \times T(8) - 7 + T(6) = -5 + (4 + 3)^{2+1} \\
&= 5 \times T(4) + T(T(T(3))) + 2 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{339} &:= -T(1 + 2) + 345 = 6 \times (T(7) + T(8)) - T(9) \\
&:= -9 \times 8 + T(7 + T(6)) + 5 = T(T(4)) + T(T(T(3))) - 2 + T(10) \\
&:= T(9) \times (T(8) - T(7)) - T(6) = T(5) \times 4 \times T(3) - 21 \\
&= T(5) + 4 + 32 \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{340} &:= 1 \times 2 \times 34 \times 5 = 6 + T(T(7)) - 8 \times 9 \\
&:= 9 + 8 \times 7 \times 6 - 5 = T(T(4)) \times 3 \times 2 + 10 \\
&:= -9 \times 8 + T(T(7)) + 6 = T(5) + 4 + 321 \\
&= 5 \times 4 + 32 \times 10
\end{aligned}$$

$$\begin{aligned}
\mathbf{341} &:= T(T(12)/3) - T(4) = -5 - T(6) + 7 + 8 \times T(9) \\
&:= (-9 + 8) \times (-T(T(7)) + 65) = -T(4) + T(T(3))^2 - 10 \\
&:= 987 - T(6) - 5^4 = T(T(T(3))) + 2 \times T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{342} &:= 12 + T(3) \times T(T(4)) = T(5) + 6 \times 7 \times 8 - 9 \\
&:= -1 - 2 + 345 = T(-6 + T(7)) + 89 \\
&:= -9 + T(-8 + T(7) + 6) = T(54/3) \times 2 \times 1 \\
&:= -9 + T(8 \times 7 - 6 \times 5) = T(T(4)) \times T(3) + 2 + 10 \\
&:= 98 + (76 - T(5)) \times 4 = T(3) \times (2 + T(10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{343} &:= -1 \times 2 + 345 &= T(T(6)) + T(7) \times T(8)/9 \\
&:= -T(9) + 8 + 76 \times 5 = (4+3)^{2+1} \\
\mathbf{344} &:= 1 - 2 + 345 &= -6 - T(7) + T(T(8) - 9) \\
&:= T(9) \times 8 - 7 + 6 - T(5) &= 43 \times (-2 + 10) \\
&:= T(-9 + T(8)) - T(7) - 6 &= (T(T(5)) + T(T(4)) - 3) \times 2 \times 1 \\
&&= 54 \times T(3) + 2 \times 10 \\
\mathbf{345} &:= 9 \times (8 + T(7)) + 6 + T(5) &= 4 + T(T(T(3))) + 2 \times T(10) \\
&:= 9 + 8 \times 7 \times 6 &= 54 \times T(3) + 21 \\
&&= -T(5) + (4 + 32) \times 10 \\
\mathbf{346} &:= T(T(1 + 2)) + T(T(T(3)) + 4) &= T(5 \times 6) - 7 \times (8 + 9) \\
&:= 1^2 + 345 &= -T(6) + 7 + 8 \times T(9) \\
&:= 9 \times T(8) + T(7) - 6 &= T(5) + T(4) + 321 \\
&:= -(9 + 8) \times 7 + T(6 \times 5) &= T(4 + T(T(3))) + 21 \\
&&= T(T(4) + T(3)) + 210 \\
\mathbf{347} &:= T(T(12)/3) - 4 &= 5 \times 6 + T(T(7)) - 89 \\
&:= 1 \times 2 + 345 &= -6 - 7 + 8 \times T(9) \\
&:= T(9) \times 8 - 7 - 6 &= (T(T(5)) - 4) \times 3 - 2 + 1 \\
&:= 9 \times T(8) - 7 + 6 \times 5 &= -4 + T(T(3)) + 2 \times 10 \\
\mathbf{348} &:= T(1 + 2) \times (3 + T(T(4))) &= T(5 \times 6) - T(7) - 89 \\
&:= 1 + 2 + 345 &= T(T(6)) + T(7) + 89 \\
&:= -T(9) + 8 + T(T(7)) - T(6) &= 5 + (4 + 3)^{2+1} \\
&:= 9 \times 8 + T(-7 + 6 \times 5) &= (T(T(4)) + 3) \times T(2 + 1) \\
&&= 4 \times (32 + T(10)) \\
\mathbf{349} &:= 9 - (8 - 76) \times 5 = T(T(4 + 3)) - 2 - T(10) \\
\mathbf{350} &:= (-1 + T(2^3)) \times T(4) &= (56 - T(T(7))) \times (8 - 9) \\
&:= 1 - 2 + 345 + 6 &= -T(7) + T(T(8) - 9) \\
&:= T(-9 + T(8)) - T(7) &= 6 \times 5 + T(4) \times 32 \times 1 \\
&&= 6 \times 5 + 4^3/2 \times 10 \\
&:= (9 + 8) \times 7 + T(T(6)) &= (T(T(5)) - 4) \times 3 + 2 \times 1 \\
&&= 5 \times (4 \times T(3 + 2) + 10) \\
&:= 98 + 7 \times (T(6) + T(5)) &= T(4) \times (T(3)^2 - 1) \\
&&= T(4) \times (T(3^2) - 10) \\
\mathbf{351} &:= T(T(12)/3) &= 45 + (6 \times 7 - 8) \times 9 \\
&:= T(-1 + 23 + 4) &= 5 \times (-6 + 78) - 9 \\
&:= T(1 + 2) + 345 &= (6 + 7) \times (T(8) - 9) \\
&:= 12 + 345 - 6 &= T(T(7)) - T(T(T(8)/9)) \\
&:= (98 + T((T(7) - 6))) &= ((T(T(5))/4) + 321) \\
&:= (9 \times ((87 + 6) - 54)) &= T((T(3) + (2 \times 10))) \\
&:= T(((98 - 7) - 65)) &= ((T(T(4)) \times T(3)) + 21) \\
&&= T((4 + (32 - 10)))
\end{aligned}$$



$$\begin{aligned}
\mathbf{352} &:= 1 + T(2 \times (3 + T(4))) &= 5 \times 67 + 8 + 9 \\
&:= T(T(12)/3) - 4 + 5 &= T(6) + 7 + T(8) \times 9 \\
&:= 12 \times 34 - 56 &= T(7) + T(8) \times 9 \\
&:= 9 \times T(8) + 7 + T(6) &= (T(5) - 4) \times 32 \times 1 \\
&:= 9 \times T(8) + T(7) &= 6 \times 54 + T(3 \times 2 + 1) \\
&&= (6 + 5) \times (-T(T(4)) + 32 + T(10)) \\
&:= 9 \times T(8) + T(7) \times (6 - 5) &= T(T(4 + 3) - 2) + 1 \\
&&= T(4) + T(3) \times (2 + T(10)) \\
\mathbf{353} &:= 1 + 2 \times (T(T(T(3))) - T(T(4))) &= (5 - 6) \times (7 - 8 \times T(9)) \\
&:= T(T(12)/3) + T(4)/5 &= T(6) - T(7) + 8 \times T(9) \\
&:= 1 \times 2 + 345 + 6 &= -7 + 8 \times T(9) \\
&:= T(9) \times 8 - T(7) + T(6) &= (T(5) - 4) \times 32 + 1 \\
&:= T(9) \times 8 - 7 &= 6 \times (-5 + 4^3) - 2 + 1 \\
&&= 65 + T(4 \times 3) + 210 \\
&:= 9 - T(8) + 76 \times 5 &= (-T(T(4)) + T(T(T(3)))) \times 2 + 1 \\
&&= T(4 \times T(3)) - 2 + T(10) \\
\mathbf{354} &:= 1 \times 234 + T(T(5)) &= T(T(6)) + 78 + T(9) \\
&:= T(9) \times (T(8) - T(7)) - 6 &= 54 + T(3 + 21) \\
\mathbf{355} &:= T(T(12)/3) + 4 &= 5 \times (6 + 7 \times 8) + T(9) \\
&:= 1 + 234 + T(T(5)) &= T(6) + T(T(7)) - 8 \times 9 \\
&:= -9 \times (T(8) - 76) - 5 &= T(T(4)) + T(3 + 21) \\
&:= -9 \times 8 + T(T(7)) + T(6) &= 5 + T(T(4 + 3) - 2) - 1 \\
&&= -5 + (4 + 32) \times 10 \\
\mathbf{356} &:= T(-1 + 23 + 4) + 5 &= 6 - T(7) + T(T(8) - 9) \\
&:= T(9 + 8) - T(7) + T(T(6)) &= 5 + T(T(4 + 3) - 2) \times 1 \\
&:= -T(9) - T(8) - T(7) + T(6 \times 5) &= -4 + T(3)^2 \times 10 \\
\mathbf{357} &:= T(T(1 + 2)) \times (T(T(3)) - 4) &= 5 + T(6) + 7 + T(8) \times 9 \\
&:= 12 + 345 &= -T(6)/7 + 8 \times T(9) \\
&:= 98 + T(7) + T(T(6)) &= (5 + 4 \times 3) \times 21 \\
&:= -98 + 7 \times 65 &= (-4 + T(T(3))) \times 21 \\
&&= T(4 \times T(3)) + 2 + T(10) \\
\mathbf{358} &:= -1 \times 2 + T(3) \times 4 \times T(5) &= 6 + T(7) + T(8) \times 9 \\
&:= 9 \times T(8) + T(7) + 6 &= T(T(5)) + 4 + 3 + T(21) \\
\mathbf{359} &:= -1 + T(2^3) \times T(4) &= -5 \times 6 + T(T(7)) - 8 - 9 \\
&:= -1 + 2^3 \times 45 &= 6 - 7 + 8 \times T(9) \\
&:= -9 - 8 + T(T(7)) - 6 \times 5 &= T(4) \times T(3)^2 - 1 \\
&:= T(9) \times 8 - 7 + 6 &= T(T(5)) + T(4) + T(T(T(3))) - 2 \times 1 \\
&&= T(T(5)) \times 4 - T(T(T(3))) + 2 \times T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{360} &:= 12 \times 3 \times T(4) &= 56/7 \times (T(8) + 9) \\
&:= 1 \times 2^3 \times 45 &= 6 \times (7 + 8 + T(9)) \\
&:= 1 \times 2 \times 3 \times (4 + 56) &= (-T(7) + T(8)) \times T(9) \\
&:= (98/7 - 6) \times T(5 + 4) &= T(3)^2 \times 10 \\
&:= T(9) \times 8 &= (765 - 43)/2 - 1 \\
&&= (7 - 6 + 5 + 4) \times 3 \times (2 + 10) \\
&:= T(9) \times (T(8) - T(7)) &= 6 \times T(5) \times 4 - 3 + 2 + 1 \\
&&= T(6) - 5 - 43 \times (2 - 10) \\
&:= (T(9) + 8 + 7) \times 6 &= 5 \times 4 \times (-3 + 21) \\
&&= 54/3 \times 2 \times 10 \\
&:= 9 + T(8 \times 7 - 6 \times 5) &= T(4) \times T(3)^2 \times 1 \\
&&= (4 + 32) \times 10 \\
\mathbf{361} &:= 1 + T(2^3) \times T(4) &= -5 - T(6) + (7 + T(8)) \times 9 \\
&:= 1 + 2^3 \times 45 &= -6 + 7 + 8 \times T(9) \\
&:= 1 + 2 \times 3 \times (4 + 56) &= T(T(7)) - T(8) - 9 \\
&:= -9 - T(8) + T(T(7)) &= T(6) + T(5) + 4 + 321 \\
&:= T(9) \times 8 + 7 - 6 &= -T(5) + T(T(4)) + 321 \\
&:= 9 \times T(8) - T(7) + 65 &= T(4) \times T(3)^2 + 1 \\
\mathbf{362} &:= T(T(12)/3) - 4 + T(5) &= -T(T(6)) - T(7) + T(T(8)) - T(9) \\
&:= -T(9) + T(T(8)) - T(7) - T(T(6)) &= (5 - 4 \times T(3))^2 + 1 \\
&:= T(9) \times 8 - 7 - 6 + T(5) &= (-T(T(4)) + T(T(T(3)))) \times 2 + 10 \\
\mathbf{363} &:= 1 + 2 + 3 \times T(T(4) + 5) &= T(6)/7 + 8 \times T(9) \\
&:= -9 - 8 + 76 \times 5 &= T(-4 + T(T(3))) + 210 \\
&:= T(9) + 87 + T(T(6)) &= (T(5) - 4) \times (32 + 1) \\
&&= T(5) \times T(4) + 3 + 210 \\
\mathbf{364} &:= T(T(12)/T(3)) \times 4 &= 5 + 6 - 7 + 8 \times T(9) \\
&:= 1 + T(23 + 4) - T(5) &= T(6 + 7) \times T(8)/9 \\
&:= T(-9 + T(8)) + 7 - T(6) &= T(5) \times T(T(4)) - T(T(T(3))) \times 2 + 1 \\
&:= T(9) \times 8 - 7 + 6 + 5 &= 4 \times T(T(3) \times 2 + 1) \\
&&= 4 \times T(T(3)/2 + 10) \\
\mathbf{365} &:= (12 + T(3) + T(T(4))) \times 5 &= -6 + 7 \times (8 + T(9)) \\
&:= (9 \times 8 + 7 - 6) \times 5 &= T(4) \times T(T(3)) \times 2 - T(10) \\
&:= (T(9) + 8) \times 7 - 6 &= -5^4 + T(T(3^2) - 1) \\
&&= 5 + (4 + 32) \times 10 \\
\mathbf{366} &:= (T(1 + 2) \times (T(3) + T(T(4)))) &= ((5 \times (67 + 8)) - 9) \\
&:= (T(1 + 2) + (3 \times T((T(4) + 5)))) &= (-6 \times (T(7) - 89)) \\
&:= ((9 \times T(8)) + (7 \times 6)) &= (T((5 + 4)) + 321) \\
&&= ((-T(5)) \times (-T(4))) - (-T(3)) - 210) \\
&:= (((T(9) \times 8) + 7) - (6 - 5)) &= ((T(T(4)) + T(3)) \times T((2 + 1))) \\
&&= (-((-T(T(4))) \times T(3))) + T((-2 + 10)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{367} &:= (T(T(T(1+2))) + T((T(3) + T(4)))) = (((5 + (6 \times 7)) \times 8) - 9) \\
&:= ((-12) \times (-T(T(3)) - T(4))) - 5 = (((6 + T(T(7))) - T(8)) - 9) \\
&:= (((1^2) - 3)^4) + (T((5 + T(6)))) = (7 + (8 \times T(9))) \\
&:= (((T(9) \times 8) + 7) \times (6 - 5)) = (T((T(4) + T(3))) + T(21)) \\
&:= T(9) \times 8 + 7 = -65 + 432 \times 1 \\
&= ((6 \times (T(5) + 4)) + T(32 - 10)) \\
&:= ((T(9) \times 8) + (T(7) - T(6))) = (T((T(5) + (4 - 3))) + T(21)) \\
&= (T(-(-T(5)))) - ((-4 - (T(T(T(3))) + 2)) - (10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{368} &:= (T(((1+2)^3)) - T(4)) = ((5 - (6 - T(T(7)))) - (-8 + T(9))) \\
&:= -((12 + ((T(T(3)) + T(T(4))) \times (-5))) = (-((T(6) - T(T(7)))) - (8 + 9)) \\
&:= (-9 - (8 - (T(T(7)) - T(6)))) = (T(T(5)) + 4^3) \times 2 \times 1 \\
&:= (((T(9) \times 8) + 7) + (6 - 5)) = -((T(4) - T((T(3) + 21)))) \\
&= (T(((4 + T(T(3))) + 2)) - 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{369} &:= ((-1 - 2) \times (-3 - T((T(4) + 5)))) = (((T(6) + T(7)) - 8) \times 9) \\
&:= (123 \times (4 + (5 - 6))) = (T(T(7)) + (8 - T(9))) \\
&:= (-9 \times (8 - (T(7) + T(6)))) = (-(((T(T(5)) + 4) \times 3) + 2)) - 1) \\
&:= (-T(9) + (8 + T(T(7)))) = (-((6 - 54) + 321)) \\
&= (-T(6) + (T(5) \times ((4 + 32) - 10)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{370} &:= ((1 + T((2^3))) \times T(4)) = (-((5 - (6 + T(T(7)))) - (-8 + T(9))) \\
&:= (T((T(12)/3) + (4 + T(5))) = (T(-(((T(T(6)))/7) + 8))) + (T(9))) \\
&:= (T(((9 - 8) + T(7))) - 65) = (T(4) \times ((T(3)^2) + 1)) \\
&= (T(T((4 + 3))) - T((-2 + 10)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{371} &:= ((1 - 2) + (-3 \times (-4 - T(T(5)))) = (-((T(6) - T(7))) \times (8 + T(9))) \\
&:= ((1 + 23) - (-(-4) - (T(T(5)) + T(T(6)))) = (7 \times (8 + T(9))) \\
&:= ((T(9) + 8) \times 7) = ((-6 + T(((5 + 4) \times 3))) - ((2 - 1))) \\
&= ((T(6) \times 5) + ((4^{T(3)-2}) + 10)) \\
&:= ((-T(9) - 8) \times (-T(7) - T(6))) = ((5 \times T(4)) + 321) \\
&:= (((9 \times T(8)) - (7 \times (-6))) + 5) = ((4 + 3) \times (-2 + (T(10))))
\end{aligned}$$

$$\begin{aligned}
\mathbf{372} &:= (12 \times (T(T(3)) + T(4))) = (((5 \times 67) - 8) + T(9)) \\
&:= ((123 \times 4) - T(T(5))) = (-6 + T(((T(7) + 8) - 9))) \\
&:= ((9 \times T(8)) + ((T(7) \times 6) - T(T(5)))) = ((T(4) + (T(T(3)))) \times (2 + 10)) \\
&:= (T(-(((9 - 8) - T(7)))) - 6) = (T(T(5)) + 4) \times 3 \times (2 - 1) \\
&= ((54 \times 3) + 210)
\end{aligned}$$

$$\begin{aligned}
\mathbf{373} &:= (T((1 \times (23 + 4))) - 5) = (6 + (7 + (8 \times T(9)))) \\
&:= (((T(9) \times 8) + 7) + 6) = (T(T(5)) + T(43 - 21)) \\
&:= (-((-((9 \times 8) - T(T(7)))) - (-T(6) \times (-5))) = -((-T(T(4))) - (T(3) \times (-2 + T(10))))
\end{aligned}$$

$$\begin{aligned}
\mathbf{374} &:= (T(((1+2)^3)) - 4) &&= (T(5) + ((6-7) + (8 \times T(9)))) \\
&:= ((1 + T((23+4))) - 5) &&= ((-6 + T(7)) \times (8+9)) \\
&:= (((T(9) \times 8) - (7-6)) + T(5)) &&= -((4 - T((T(3) + 21)))) \\
&:= ((9+8) \times (T(7) - 6)) &&= ((T(5) \times (4 + (T(3 \times 2)))) - 1) \\
&&&= (54 + (32 \times 10)) \\
\mathbf{375} &:= ((T((1+23))/4) \times 5) &&= ((6 \times (T(7) + T(8))) - 9) \\
&:= -((9 - ((T(8) + T(7)) \times 6))) &&= (54 + 321) \\
&:= ((-9 + (8 + 76)) \times 5) &&= (T(T(4)) + (32 \times 10)) \\
\mathbf{376} &:= (T(((1+2)^3)) - (T(4)/5)) &&= (((-T(6)) + T(T(7))) + T(8)) - T(9) \\
&:= ((-T(9)) + T(8)) + (T(T(7)) - T(6)) &&= (T(((5+4) \times 3)) - (2 \times 1)) \\
&:= ((T(9) + ((8 \times 7) \times 6)) - 5) &&= (T(T(4)) + 321) \\
\mathbf{377} &:= -((1 - T((23+4)))) &&= ((T(T(5)) - 67) + (T(8) \times 9)) \\
&:= (-T(12)) + (T((3 + T(4))) \times 5) &&= (6 + (7 \times (8 + T(9)))) \\
&:= (((T(9) + 8) \times 7) + 6) &&= (((5+4) \times (T(T(3)) \times 2)) - 1) \\
&&&= ((-((5+4)) + (T(T(3))^2)) + (-T(10))) \\
&:= (T(-((9 - T(8)))) + ((-7 + 6)^5)) &&= (T(((4 + T(T(3))) + 2)) - 1) \\
&&&= (432 - T(10)) \\
\mathbf{378} &:= T(((1+2)^3)) &&= (-((T(4)/5)) \times ((-6 + (-7 - 8)) \times 9)) \\
&:= T(((1 \times 23) + 4)) &&= T((5 - (67 - 89))) \\
&:= T((-12) + (34 + 5)) &&= ((6 + (T(7) + 8)) \times 9) \\
&:= ((12 \times 34) - (5 \times 6)) &&= T(((T(7) + 8) - 9)) \\
&:= T(-9 + T(8)) &&= 7 \times 6 \times (5 + 4) + T(3) - T(2 + 1) \\
&:= ((98 + T(7)) \times (-6 + (5 + 4))) &&= T((T(3) + 21)) \\
&:= T((-9 + (8 + T(7)))) &&= (((6) \times T(5)) \times 4) + (3 \times T((2 + 1))) \\
&&&= ((6 + (54 \times 3)) + 210) \\
&:= (9 \times (8 + (T(7) + 6))) &&= ((54/3) \times 21) \\
&&&= ((5 + 4) \times (32 + 10)) \\
&:= T((98 - (76 - 5))) &&= T((-4 + 32) - 1) \\
&&&= T((4 + (3 + (2 \times 10)))) \\
\mathbf{379} &:= (1 + T((23+4))) &&= (5 + (-((6 - T(7)) \times (8 + 9))) \\
&:= (-1 - (((2 - T((3 \times 4))) \times 5))) &&= ((-6 + 7) + T((T(8) - 9))) \\
&:= (1 - (2 \times ((T(3) + (-T(4)) - 5)) \times T(6))) &&= (T(T(7)) - (T(8) - 9)) \\
&:= (9 - (T(8) - T(T(7)))) &&= (((T(6) \times (54/3)) + 2) - 1) \\
&:= ((-9 + 8) + (76 \times 5)) &&= (T(((4 + T(T(3))) + 2)) + 1) \\
&:= ((T(-((9 - T(8)))) + 7) - 6) &&= ((5 \times (T((4 \times 3)) - 2)) - 1) \\
&&&= (T((T(5) + 4)) + (-T(T(3))) + 210)) \\
\mathbf{380} &:= (((9 - 8) \times 76) \times 5) &&= (T(T(4)) + T((T((3 + 2)) + (10))))
\end{aligned}$$

$$\begin{aligned}
\mathbf{381} &:= (1 - ((2 - T((3 \times 4))) \times 5)) = (((6 \times 7) \times 8) + T(9)) \\
&:= (T(9) + (8 \times (7 \times 6))) &= ((T(5) \times 4) + 321) \\
& &= (T((54/3)) + 210)
\end{aligned}$$

$$\begin{aligned}
\mathbf{382} &:= (T(((1 + 2)^3)) + 4) &= (((5) \times 6) - ((-T(7)) - (T(8) \times 9))) \\
&:= (((12 \times T(T(3))) + T(4)) + T(-(-T(5)))) &= (-6 + (T(7) + (8 \times T(9)))) \\
&:= (((9 \times T(8)) - 7) + 65) &= (4 + T((T(3) + 21))) \\
&:= (((T(9) \times 8) + T(7)) - 6) &= (T(5) - T(T(4)) + T(T(T(3)))) \times 2 \times 1 \\
& &= (5 + (432 - T(10)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{383} &:= (T((1 \times (23 + 4))) + 5) &= ((-6 + T(T(7))) - (8 + 9)) \\
&:= ((T(9) \times 8) + ((7 + T(6)) - 5)) &= (((-T(T(4))) \times (-T(3))) - 2) + T(10) \\
&:= -(((9 + (8 - T(T(7)))) + 6)) &= (T(5) - (T(4) - T((3^{2+1})))) \\
& &= -(((T(T(5))) - T(4)) - T(32 - 10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{384} &:= ((1 + T((23 + 4))) + 5) &= (6 + T(((T(7) + 8) - 9))) \\
&:= (((-9 - 8) - 7) \times (-T(6) + 5)) &= ((4^3) \times T((2 + 1))) \\
&:= -(((9 - 8) - T(T(7)))) - T(6) &= ((T(5) \times T(4)) - (-3 - T(21))) \\
& &= ((5 + 43) \times (-2 + 10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{385} &:= ((1 + (2 \times 3)) \times T(T(4))) &= (((5 + (6 \times 7)) \times 8) + 9) \\
&:= -((((T(12) + 3) - 4) \times (-5))) &= (((6 + T(T(7))) - T(8)) + 9) \\
&:= (-((-((-1 + (2^3))) \times T(4))) + (T(5) \times T(6))) &= (7 + T((T(8) - 9))) \\
&:= (T(-((9 - T(8)))) + 7) &= ((6 + 5) \times (4 + (32 - 1))) \\
& &= (((6 \times 54) + (3 \times 2)) + (T(10))) \\
&:= (((9 - 8) \times T(T(7))) - T(6)) &= ((-T(5)) \times (-T(T(4)))) - ((T(T(3))^2) - 1) \\
& &= ((-((5 - 4) + (T(T(3))^2)) - T(10)) \\
&:= ((9 - (8 - 76)) \times 5) &= (T(T((4 + 3))) - 21) \\
& &= ((4 + (T(3)/2)) \times T(10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{386} &:= ((T(T(1 + 2)) \times T(T(3))) - T(T(4))) &= ((5 - 6) + ((7 + T(8)) \times 9)) \\
&:= ((1 \times T(23)) + (-T(4) + T(T(5)))) &= (((-T(6) - T(T(7)))) - 8) + 9) \\
&:= (((98 + 7) + 6) + (5 \times T(T(4)))) &= ((T(T(3))^2) - T(10)) \\
&:= (9 - (8 - (T(T(7)) - T(6)))) &= (((-54) + (T(T(3))^2)) - 1) \\
& &= (T(((5 \times 4) + 3)) + ((2 \times T(10)))) \\
&:= ((T(9) + ((8 \times 7) \times 6)) + 5) &= (-T(T(4)) + (T(T(3)) \times 21)) \\
& &= (T(T((4 + 3))) + (-2 \times 10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{387} &:= -((T(12) - T((3 \times T(4)))) &= (-((5 - 6)) \times ((7 + T(8)) \times 9)) \\
&:= ((-1 - 2) + (T((3 \times 4)) \times 5)) &= ((T(6) - ((T(7) + T(8)))) \times (-9)) \\
&:= (-12) + (((3^4) \times 5) - 6) &= ((7 + T(8)) \times 9) \\
&:= (9 \times (T(8) + (T(7) - T(6)))) &= (T((T(5) - 4)) + 321) \\
&:= (9 \times (T(8) + 7)) &= ((6 \times 54) + (3 \times 21)) \\
& &= ((6 + T((54/3))) + 210) \\
&:= (9 \times (T(8) + (7 \times (6 - 5)))) &= -((T(T(4)) - ((T(T(3))^2) + 1))) \\
& &= (T((T(4) \times 3)) - T((2 + 10)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{388} &:= (T(((1+2)^3)) + T(4)) &&= ((56 \times 7) - (T(8)/9)) \\
&:= ((-1 \times 2) + (T((3 \times 4) \times 5))) &&= ((T(6) + 7) - (-8 \times T(9))) \\
&:= ((-1 \times 2) + (T((T(3) \times 4) - (-T(5) \times 6))) = (T(7) + (8 \times T(9))) \\
&:= (((T(9) \times 8) + (T(7) \times (6 - 5)))) &&= (T(4) + T((T(3) + 21))) \\
&:= ((T(9) \times 8) + T(7)) &&= T(T(6) - 5) + 4 \times 3 \times 21 \\
& &&= (((6 + 5) + 432) - T(10)) \\
&:= ((T(9) \times 8) + (7 + T(6))) &&= ((-54) + (T(T(3))^2)) + 1 \\
& &&= -T(5) - 4 + T(T(T(3))) \times 2 - T(10);
\end{aligned}$$

$$\begin{aligned}
\mathbf{389} &:= ((1 - 2) + (T((3 \times 4) \times 5))) &&= (T((T(6) + 7)) - (8 + 9)) \\
&:= (-1 - ((-2 - (3 + (4 \times T(5)))) \times 6)) = ((T(T(7)) - 8) - 9) \\
&:= (-9 - (8 - T((7 + T(6)))))) &&= ((5 \times T((4 \times 3))) - (2 - 1)) \\
&:= (-9 - (8 - T(T(7)))) &&= ((65 \times ((4 \times 3)/2)) - 1) \\
& &&= ((65 + 4) + (32 \times 10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{390} &:= ((1^2) \times (T((3 \times 4) \times 5))) &&= (6 \times ((7 \times 8) + 9)) \\
&:= (T((12 + 3)) + (45 \times 6)) &&= (T(-((7 - T(8)))) - T(9)) \\
&:= -((T(9) - T((T(8) - 7)))) = ((65 + 4) + 321) \\
&:= ((9 + (8 \times 7)) \times 6) &&= ((5 \times T((4 \times 3))) \times (2 - 1)) \\
&:= (((9 - 8) - 7) \times (-65)) &&= ((T((4 \times 3)/2) \times 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{391} &:= ((1^2) + (T((3 \times 4) \times 5))) &&= (67 + (T(8) \times 9)) \\
&:= ((T(-((9 - T(8)))) + 7) + 6) = ((5^4) - 3) - T(21)
\end{aligned}$$

$$\begin{aligned}
\mathbf{392} &:= ((1 \times 2) + (T((3 \times 4) \times 5))) &&= (T(6) + (7 \times (8 + T(9)))) \\
&:= (T(-((9 - T(8)))) - (7 - T(6))) = -((-5^4) + ((T(T(T(3))) + 2) \times 1)) \\
&:= -((98 \times ((7 - 6) - 5))) &&= ((T(T(4)) - (T(3))) \times (-2 + 10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{393} &:= ((12 \times 34) - T(5)) &&= (6 + ((7 + T(8)) \times 9)) \\
&:= ((9 \times (T(8) + 7)) + 6) = ((54 \times 3) + T(21))
\end{aligned}$$

$$\begin{aligned}
\mathbf{394} &:= (-12) + T(T((3 + 4))) &&= (5 + ((T((T(6) + 7)) - 8) - 9)) \\
&:= -((1 + ((2 - (3^4)) \times 5))) &&= (6 + (T(7) + (8 \times T(9)))) \\
&:= (-9 + 8) + (T((7 + T(6))) + 5) = (T(T((4 + 3))) - (2 + 10)) \\
&:= (((T(9) \times 8) + T(7)) + 6) &&= ((T(T(5)) + (-T(T(4))) \times (-3 - 2)) - 1) \\
& &&= (((-T(T(5))) - 4) + T(32)) - 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{395} &:= (1 \times (((-2 + (3^4)) \times 5))) &&= ((6 + T(T(7))) - (8 + 9)) \\
&:= (((9 + (8 \times 7)) \times 6) + 5) &&= ((T(4) \times T((3^2))) - T(10)) \\
&:= (-9 + (-8 + (T(T(7)) + 6))) = (5 \times (T((4 \times 3)) + (2 - 1))) \\
& &&= (5 \times (T((T(4) + 3)) - ((2 + 10))))
\end{aligned}$$

$$\begin{aligned}
\mathbf{396} &:= ((T(12) + T(T(3))) \times 4) &&= ((56 \times 7) + (T(8)/9)) \\
&:= (1 - ((2 - (3^4)) \times 5)) &&= (6 \times T((T(7) - (8 + 9)))) \\
&:= (T((12 \times 3)) - ((45 \times 6))) &&= (T(T(7)) - T((T(8)/9))) \\
&:= ((-T(9)) + T((T(8) - 7))) + 6 &&= ((T(5) \times (4 + T(T(3)))) + (21)) \\
&:= -((9 - ((87 - 6) \times 5))) &&= ((T(T(4)) \times 3) + T(21)) \\
&&&= (T((-4 + 32)) - 10) \\
\mathbf{397} &:= ((-1 \times 2) + ((T(T(3))) \times ((4 + T(5)))))) &&= (T(T((6 - (7 - 8)))) - 9) \\
&:= ((12 \times 34) - (5 + 6)) &&= ((T(T(7)) + T(8)) - T(9)) \\
&:= (((-T(9)) + T(T(8))) + 7) - T(T(6)) &&= (((5^4) + 3) - (T(21))) \\
&:= ((9 + 8) + (76 \times 5)) &&= (T(T(4)) + (T(3) \times (2 + T(10)))) \\
&:= (-((T(9) - T(8))) + T(T(7))) &&= (T(-(-(6 + 5))) + ((T(4) + 321))) \\
&&&= ((T(T(6)) + (T(T(5)) + (4 + 32))) + 10) \\
\mathbf{398} &:= (123 + (T(T(4)) \times 5)) &&= (((-T(T(6))) - T(7)) + (T(T(8)))) - 9) \\
&:= (((-9 + T(T(8))) - T(7)) - (T(T(6)))) &&= ((5 \times 4) + T((T(3) + 21))) \\
&:= ((9 - 8) + (T(T(7)) + ((6 - T(5)))))) &&= (T(T((4 + 3))) + (2 - 10)) \\
\mathbf{399} &:= -((T(1 + 2) + (-((3^4)) \times 5))) &&= (T(6) + T(((T(7) + 8) - 9))) \\
&:= (9 + ((T(8) + (7 \times 6)) \times 5)) &&= ((4 + 3) \times (2 + T(10))) \\
&:= (-((9 - 8) + T(T(7))) - 6) &&= ((T(5) + 4) \times (T(3 \times 2) \times 1)) \\
&&&= ((T(5 \times 4) - T(T(3))) + (210)) \\
\mathbf{400} &:= (((1 \times 2)^3) \times (T(4) \times 5)) &&= ((6 - T(T(7))) \times (8 - 9)) \\
&:= ((9 \times T(8)) + 76) &&= ((5 \times T(4)) \times ((3^2) - 1)) \\
&&&= (5 \times (4 \times (T((T(3) - 2)) + 10))) \\
&:= -((T(1 + 2) - T(T((3 + 4)))))) &&= (5 \times ((6 \times T((7 + 8)))/9)) \\
&:= ((T(9) \times (8 + (7 - 6))) - 5) &&= (T(T((4 + 3))) - T((2 + 1))) \\
&&&= (T(4) \times ((T(3) - 2) \times 10)) \\
\mathbf{401} &:= (T(((1 + 23) + 4)) - 5) &&= (-6 + (T(T(7)) - (8 - 9))) \\
&:= ((9 - 8) + (T(T(7)) - 6)) &&= (-((T(5) \times 4)) - ((-T(T(T(3)))) \times 2) + 1)) \\
&&&= ((5 + (T(4) + ((T(T(3))^2)))) - (T(10))) \\
\mathbf{402} &:= (T(T((1 + (2 \times 3)))) - 4) &&= ((T(5) \times T(6)) + (78 + 9)) \\
&:= (-1 + ((2 + T(T((3 + 4)))) - 5)) &&= ((6 \times 7) + (8 \times T(9))) \\
&:= (((1 - 23) - 45) \times (-6)) &&= (T(T(7)) - (T(8)/9)) \\
&:= ((T(9) \times 8) + (7 \times 6)) &&= (T((54/3)) + T(21)) \\
&:= (-T(9) - (8 - (7 \times 65))) &&= -((4 - T(T(((3 \times 2) + 1)))))) \\
\mathbf{403} &:= (T(12) + T((T(T(3)) + 4))) &&= (((T(5) \times (T(6) + 7)) - 8) - 9) \\
&:= ((12 \times 34) - 5) &&= ((6 + ((T(T(7)) + T(8)))) - T(9)) \\
&:= ((-9 + (T(8))) + (T(T(7)) + (-6 \times 5))) &&= (T(T((4 + 3))) - (2 + 1)) \\
&:= ((-T(9)) + T(8)) - (-T(T(7)) - 6) &&= (-T(T(5)) - ((4 - T(32)) + 1)) \\
&&&= ((T((T(5) + 4)) + 3) + (210))
\end{aligned}$$

$$\begin{aligned}
404 &:= (-1 \times (2 - T(T((3+4)))) &&= ((T(5) + (T((T(6) + 7)) - 8)) - 9) \\
&:= (1 + ((2 + T(T((3+4)))) - 5)) &&= ((-6 + T(T(7))) + (T(8)/9)) \\
&:= (-(-T(9)) + (-((T(8) + ((-T(T(7))) + 6)))) - 5) &&= (T(T((4+3))) - (2 \times 1)) \\
&:= -((9 - T(T(8))) + T((T(7) - 6))) &&= (T((-T(5) + 43)) - (2 \times 1)) \\
&&&= (((5^4) - T(T(3 \times 2))) + 10)
\end{aligned}$$

$$\begin{aligned}
405 &:= ((1 - 2) + T(T((3+4)))) &&= (((5 \times 6) + 7) + 8) \times 9) \\
&:= ((12 - 3) \times 45) &&= (T((-6 + 7) + 8)) \times 9) \\
&:= -(((12 + 3) \times (-4)) - T((5 \times 6))) &&= ((T(T(7)) + 8) - 9) \\
&:= ((9 \times (8 + (7 - 6))) \times 5) &&= (T((-4 + 32)) - 1) \\
&:= -(((9 - 8) - T(T(7)))) &&= ((-T(6)) - 5) + (432 - 1)) \\
&&&= -((-T(6)) + ((54 - T(3)) \times (2 - 10))) \\
&:= (T(9) \times ((8 + 7) - 6)) &&= (T((5 + 4)) \times (3^2 \times 1)) \\
&&&= -((5 - ((43 - 2) \times 10)))
\end{aligned}$$

$$\begin{aligned}
406 &:= T(T((1 + (2 \times 3)))) &&= ((-(-4) + ((5 \times T(6)) + (7 \times T(8)))) + T(9)) \\
&:= T(((1 + 23) + 4)) &&= (T((5 + T(6))) + (T(7) + (T(8) - 9))) \\
&:= (-1 + ((2 + ((3^4) \times 5))) &&= (T((T(6) + 7)) \times ((-8 + 9))) \\
&:= ((1 - T((2^3))) - (-T(4 \times 5)) - T(T(6))) &&= T((7 \times (T(8)/9))) \\
&:= (98 + (T(7) \times (6 + 5))) &&= T(((4 + 3) + 21)) \\
&:= (((T(9) \times 8) + 76) - (T(T(5))/4)) &&= T(T(((3 \times 2) + 1))) \\
&:= ((9 - 8) \times T(T(7))) &&= ((6 + ((5^4))) - (-T(3)) + T(21)) \\
&&&= (T((T(6) + 5)) + (43 + (2 + 10))) \\
&:= T(T((98 - T((7 + 6)))) &&= ((-T(5)) - (T(4) \times (-T(T(3))) \times 2)) + 1) \\
&&&= ((5 \times 4) + ((T(T(3)))^2) - T(10))
\end{aligned}$$

$$\begin{aligned}
407 &:= ((1^2) + T(T((3+4)))) &&= ((5 \times 67) + 8 \times 9) \\
&:= (1 \times (2 + ((3^4) \times 5))) &&= ((T((T(6) + 7)) - 8) + 9) \\
&:= (((12 \times 34) + 5) - 6) &&= ((T(T(7)) - 8) + 9) \\
&:= (9 - (8 - T((7 + T(6)))) &&= -(((54 - (T(T(T(3))) \times 2)) + 1)) \\
&:= ((9 - (8 - T(T(7)))) \times (6 - 5)) &&= (T((-4 + 32)) + 1) \\
&:= (((9 + 8) + (76 \times 5)) + T(4)) &&= ((T(T(T(3))) \times 2) - T(10)) \\
&:= ((9 - 8) + T(T(7))) &&= (((6 \times T(5)) - 4) + 321) \\
&&&= (((6 \times 5) + 432) - T(10))
\end{aligned}$$

$$\begin{aligned}
408 &:= (12 \times 34) &&= (-T(5)) + ((6 \times 78) - T(9)) \\
&:= (1 + (2 + ((3^4) \times 5))) &&= (T((T(T(6))/7)) - T((8 + 9))) \\
&:= (9 - ((8 - T(T(7))) - (6 - 5))) &&= (T(T((4 + 3))) + (2 \times 1)) \\
&:= ((9 \times (T(8) + 7)) + T(6)) &&= (T((-T(5) + 43)) + (2 \times 1)) \\
&&&= -((54 - 3) \times (2 - 10))
\end{aligned}$$

$$\begin{aligned}
409 &:= ((1 + 2) + T(T((3+4)))) &&= (((56 \times 7) + 8) + 9) \\
&:= (-1 \times (2 - (T(T((3+4))) + 5))) &&= (T(6) - (-T(7)) - (8 \times T(9))) \\
&:= (((T(9) \times 8) + T(7)) + T(6)) &&= (T(T(5)) - ((-T(T(4))) - T(T(T(3)))) - (2 + 1)) \\
&:= (((T(9) \times 8) + (T(7) + 6)) + T(5)) &&= (T(T((4 + 3))) + (2 + 1))
\end{aligned}$$



$$\begin{aligned}
410 &:= (T(T((1 + (2 \times 3)))) + 4) &= -((-5 \times ((T(6) - T(7)) + (89)))) \\
&:= -((-1 - ((2 + (3^4)) \times 5) + 6)) &= (T(T(7)) + (T(8)/9)) \\
&:= (((1^2) + (3^4)) \times 5) &= (((T(6) + T(T(7))) - 8) - 9) \\
&:= ((-9 - T(8)) - (-7 \times 65)) &= (4 + T(T((3 \times 2) + 1))) \\
&&= ((43 - 2) \times 10)
\end{aligned}$$

$$\begin{aligned}
410 &:= ((-9 + 8) + T(T(7))) + T(6) &= -((5 \times (-T(T(4))) - (T(3) + 21))) \\
&&= (((5 + 4) + 32) \times 10)
\end{aligned}$$

$$\begin{aligned}
411 &:= (T(1 + 2) - (-((3^4) \times 5)) &= ((6 + T(T(7))) + (8 - 9)) \\
&:= (-9 + ((8 + T(T(7))) + 6)) &= (((T(5) \times 4) \times 3) + T(21)) \\
&:= ((T(9) + (T(8) \times 7)) - (6 - T(T(5)))) &= ((4 - (T(T(T(3))) \times (-2))) - (T(10)))
\end{aligned}$$

$$\begin{aligned}
412 &:= (T(1 + 2) + T(T((3 + 4)))) &= -(((T(5) - 67) - (8 \times T(9)))) \\
&:= -((1 + (-((2 + T(T((3 + 4)))) - 5))) &= (6 + T((7 \times (T(8)/9)))) \\
&:= ((98 - T(T(7))) + (6 \times T(T(5)))) &= (T(T((4 + 3))) + T((2 + 1))) \\
&:= ((9 - 8) \times (T(T(7)) + 6)) &= (-T(T(5)) + (4 + (T(32) \times 1))) \\
&&= ((5^4) - (3 + 210))
\end{aligned}$$

$$\begin{aligned}
413 &:= ((T(12) \times T(3)) - T(T(4))) &= (5 + (-(-T(6)) + ((7 + T(8)) \times 9))) \\
&:= ((12 \times 34) + 5) &= ((6 + T(T(7))) - (8 - 9)) \\
&:= ((9 - 8) + (T(T(7)) + 6)) &= (((T(5 \times 4) - 3) \times 2) - 1) \\
&:= (((9 - 8) + (T(T(7)))) - (-T(6) + T(5))) &= (-T(T(4)) + (T(3) \times T((2 + 10))))
\end{aligned}$$

$$\begin{aligned}
414 &:= (9 + ((87 - 6) \times 5)) &= (T(T((4 + 3))) - (2 - 10)) \\
&:= (T(((9 - 8) + T(7))) - T(6)) &= ((T(5) \times 43) - (T(21))) \\
&&= ((T(5 \times 4) - T(3)) + (210))
\end{aligned}$$

$$\begin{aligned}
415 &:= (1 \times ((2 + (3^4)) \times 5)) &= (T(T((6 - (7 - 8)))) + 9) \\
&:= (((1^2) + T((34 - 5))) - T(6)) &= ((T(T(7)) - T(8)) + T(9)) \\
&:= ((T(9) - T(8)) + T(T(7))) &= ((6 \times T(5)) + (4 + 321)) \\
&:= ((9 - 8) \times ((T(T(7)) - 6) + T(5))) &= ((T(4) \times (T(3)^2)) + T(10)) \\
&:= ((9 \times T(8)) + (T((7 + 6)))) &= (((T(5 \times 4) - 3) \times 2) + 1) \\
&&= (5 + ((43 - 2) \times 10))
\end{aligned}$$

$$\begin{aligned}
416 &:= (T(T((1 + (2 \times 3)))) + T(4)) &= (((5 \times 67) + T(8)) + T(9)) \\
&:= (((1 \times 2) + T(3)) \times ((-4 + 56))) &= (T(T(7)) + T((T(8)/9))) \\
&:= (9 + (T(T(8)) - (T(7) + T(T(6))))) &= -(((T(5) - 432) + 1)) \\
&&= (((T(5 \times 4) + 3) \times 2) - 10) \\
&:= ((9 - 8) + ((T(T(7)) - 6) + T(5))) &= (T(4) + T(T((3 \times 2) + 1))) \\
&&= (T((-4 + 32)) + 10)
\end{aligned}$$

$$\begin{aligned}
417 &:= (12 + ((3^4) \times 5)) &= -((((6 - T(T(7))) - 8) - 9)) \\
&:= ((9 \times T(8)) + (T(7) + 65)) &= ((-T(T(4)) + (T(T(T(3))) \times 2)) + (10)) \\
&:= ((9 + 8) + (T(T(7)) - 6)) &= -(((T(5) - 432) \times 1)) \\
&&= -((5 - (432 - 10)))
\end{aligned}$$

$$\begin{aligned}
418 &:= (12 + T(T((3+4)))) &&= ((5+6) \times (-7 + (T(8) + 9))) \\
&:= ((1-23) \times (-4 - T(5))) &&= (-((T(T(6)) - T(7))) + (T(T(8)) - T(9))) \\
&:= ((T(9) \times 8) - (7 - 65)) &&= -((-((T(43)/2)) + T(10))) \\
&:= ((-T(9)) + T(T(8))) + (T(7) - T(T(6))) &&= -((T(5) - (432 + 1))) \\
&&&= ((5^4) + (3 - 210))
\end{aligned}$$

$$\begin{aligned}
419 &:= (-1 + (2 \times (T(T(3)) \times T(4)))) &&= (5 + (6 \times (78 - 9))) \\
&:= -((1 + (T((2 \times 3)) \times (-4 \times 5))) &&= ((-T(T(6))) - 7) + (T(T(8)) - 9)) \\
&:= (((T(9) \times 8) - 7) + T((6+5))) &&= ((T(4) \times (T(T(3)) \times 2)) - 1) \\
&:= -(((9 - T(T(8))) + (7 + T(T(6)))) &&= (((5 \times 4) \times T(3 \times 2)) - 1) \\
&&&= ((-54) + T(32)) - T(10)
\end{aligned}$$

$$\begin{aligned}
420 &:= ((1 \times 2) \times (T(T(3)) \times T(4))) = (5 \times ((67 + 8) + 9)) \\
&:= (12 \times ((3 + 4) \times 5)) &&= (6 \times (7 \times T((T(8)/9)))) \\
&:= ((98 - T(7)) \times 6) &&= (T(5) \times ((4 + 3) + 21)) \\
&:= (9 - (-87) - (6 \times (54))) &&= ((T(T(3)) \times 2) \times 10) \\
&:= ((98/7) \times (6 \times 5)) &&= (T(4) \times (T(T(3)) + 21)) \\
&&&= ((T(4) + 32) \times 10)
\end{aligned}$$

$$\begin{aligned}
421 &:= (1 + (2 \times (T(T(3)) \times T(4)))) &&= (((T(5) \times (T(6) + 7)) - 8) + 9) \\
&:= (1 - (T((2 \times 3)) \times (-4 \times 5))) &&= (6 - (-((T(T(7)) - (T(8)))) - (T(9)))) \\
&:= ((T(9) \times 8) + (76 - T(5))) &&= ((T(4) \times (T(T(3)) \times 2)) + 1) \\
&:= (((T(9) - T(8)) + (T(T(7)))) + 6) &&= (((5 \times 4) \times T(3 \times 2)) + 1) \\
&&&= ((5^4) + (T(3) - 210))
\end{aligned}$$

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

$$\begin{aligned}
423 &:= (T(12) + 345) &&= ((6 \times 78) - T(9)) \\
&:= ((12 + ((3^4) \times 5)) + 6) &&= ((T(T(7)) + 8) + 9) \\
&:= (9 + (8 + T(T(7)))) &&= (6 + ((-5 + 432) - (10))) \\
&:= ((9 + 8) + T((7 + T(6)))) &&= 5 \times 4 \times T(T(3)) + 2 + 1 \\
&&&= ((T(5 \times 4) + 3) + (210))
\end{aligned}$$

$$\begin{aligned}
424 &:= (1 - (-((2 + T(T((3+4)))) - T(5))) = ((T(12) + (3+4)) \times 5) \\
&:= ((T(9) + 8) \times ((7+6) - 5)) &&= (4 + ((T(T(3)) \times 2) \times 10))
\end{aligned}$$

$$425 := (((98 - 7) - 6) \times 5) = ((4 \times T(T(3+2))) - T(10))$$

$$\begin{aligned}
426 &:= (T(T(1+2)) + ((3^4) \times 5)) &&= (T(6) + ((T(T(7)) + 8) - 9)) \\
&:= ((12 - T(3)) + ((4 \times 5) \times (T(6)))) &&= (T(-((7 - T(8)))) - 9) \\
&:= -((9 - T((T(8) - 7)))) &&= ((654 + 3) - T(21)) \\
&:= (-((9 - 8) - T(T(7))) + T(6)) &&= -((5 - (432 - 1))) \\
&:= ((-((9 - 8)) + (T(T(7)) + 6)) + T(5)) &&= (T(T((4+3))) - (-2 \times 10))
\end{aligned}$$

$$\begin{aligned}
427 &:= (T(T(1+2)) + T(T((3+4)))) &&= (56 + (7 \times (8 + T(9)))) \\
&:= (((12 \times T(T(3))) + T(T(4))) + T(-(-T(5)))) &&= (67 + (8 \times T(9))) \\
&:= ((9 \times (T(8) - T(7))) \times 6) - 5 &&= (T(T((4+3))) + 21) \\
&:= (((9-8) \times T(T(7))) + T(6)) &&= -((5-432) \times 1) \\
&&&= (5 + (432 - 10))
\end{aligned}$$

$$\begin{aligned}
428 &:= (-(((-T(12)) \times T(3)) + T(T(4)))) + (T(5)) &&= (((T(6) + T(T(7))) - 8) + 9) \\
&:= (9 - (T(8) - (7 \times 65))) &&= -((4 \times (3 - (2 \times T(10)))))) \\
&:= (9 - ((8 - T(T(7))) - T(6))) &&= -((5 - (432 + 1))) \\
&&&= ((T(5) \times T((4+3))) - (2 - 10))
\end{aligned}$$

$$\begin{aligned}
429 &:= ((-12) + T(T(T(3)))) + T(4 \times 5) &&= ((6 + T(T(7))) + (8 + 9)) \\
&:= (9 + ((8 + 76) \times 5)) &&= -((-T((T(4) \times 3))) + T(-((2 - 10)))) \\
&:= (9 - ((8 - T(7)) \times T(6))) &&= (((5 \times 43) \times 2) - 1) \\
&&&= (((T((T(5) + 4)) - 3) \times 2) + (T(10)))
\end{aligned}$$

$$\begin{aligned}
430 &:= ((1 + (2 \times T(T(3)))) \times T(4)) &&= (T(T(5)) - (T(6) - (7 + (T(8) \times 9)))) \\
&:= ((-1 \times ((2 + (T(T(3)) \times 4))) \times (-5)) &&= ((-T(6)) + (T(T(7)) + T(8))) + 9) \\
&:= ((9 + T(8)) + (T(T(7)) - T(6))) &&= (5 \times ((43 \times 2) \times 1)) \\
&:= ((9 + T(8)) + (-(-T(T(7)))) - (6 + T(5))) &&= (T(4) \times ((T(T(3)) \times 2) + 1)) \\
&&&= ((-T(T(4))) + (T(3) \times 2)) \times (-10)
\end{aligned}$$

$$\begin{aligned}
431 &:= ((T(T(1+2)) \times T(T(3))) - T(4)) &&= ((T((5 \times 6)) - 7) - (T(8) - 9)) \\
&:= (1 + (-((2 + (T(T(3)) \times 4))) \times (-5))) &&= ((T(6) + T(T(7))) + (T(8)/9)) \\
&:= ((9 - T(8)) - (7 - T((6 \times 5)))) &&= (432 - 1) \\
&:= -((9 - (-8 \times (-7 + (6 - 54)))))) &&= ((T(T(3)))^2 - 10)
\end{aligned}$$

$$\begin{aligned}
432 &:= (-T(12)) + (34 \times (T(5))) &&= (T((T(6)/7)) \times (8 \times 9)) \\
&:= (9 \times ((T(8) - T(7)) \times 6)) &&= (54 \times ((3^2) - 1)) \\
&:= T(9) \times 8 + 7 + 65 &&= 432 \times 1
\end{aligned}$$

$$\begin{aligned}
433 &:= (T(((1+2)^3)) + T(T(4))) &&= ((5 + T(6)) + (T(T(7)) + (-8 + 9))) \\
&:= (-((1 \times 2)) + T((34 - 5))) &&= ((T((T(6) + 7)) + T(8)) - 9) \\
&:= -((1 \times (23 - 456))) &&= (T(T(7)) + (T(8) - 9)) \\
&:= ((-9 + T(8)) + T((7 + T(6)))) &&= ((54 \times (T(3) + 2)) + 1) \\
&:= (T(9) - (-8 - (76 \times 5))) &&= (432 + 1) \\
&:= (-9 + (T(8) + T(T(7)))) &&= ((6 - 5) \times (432 + 1)) \\
&&&= (((6 - T(5)) + 432) + 10)
\end{aligned}$$

$$\begin{aligned}
434 &:= (-1 + T((-2 + (T(T(3)) + T(4)))) &&= -(((5 \times (6 - T(7))) - (T(8) \times 9))) \\
&:= -((-1 - (-2 + T((34 - 5)))) &&= T(((12 + (3 \times 4)) + 5)) \\
&:= ((9 + 8) - ((-T(T(7))) - 6) - 5) &&= (T(((T(T(4)) + 3)/2)) - 1)
\end{aligned}$$

$$\begin{aligned}
435 &:= T(((1-2) + (3 \times T(4)))) &= (5 \times ((6 \times 7) + (T(8) + 9))) \\
&:= T(((12 + (3 \times 4)) + 5)) &= T((T(6) + (7 - (8 - 9)))) \\
&:= ((12 + 3) \times ((T(4) \times 5) - (T(6)))) &= T(((T(7) - 8) + 9)) \\
&:= T(((9 - (8 - 7)) + T(6))) &= (5 \times ((43 \times 2) + 1)) \\
& &= ((T(5) \times 43) - 210) \\
&:= (T(9) + (((T(8) + (7 \times 6)) \times 5))) &= T((-4 + 32) + 1) \\
&:= (-T(9) + ((8 \times (7 - 6)) \times ((T(5) \times 4)))) &= T(((T(T(3)) - 2) + 10)) \\
&:= T(((9 - 8) + T(7))) &= (T((6 \times 5) + (-T((4 + 3))) - (2 \times 1))) \\
& &= (((T(6) \times (5 \times 4)) + ((3 + 2))) + (10))
\end{aligned}$$

$$\begin{aligned}
436 &:= (1 + T((-2 + (T(T(3)) + T(4)))) &= (((T((5 \times 6)) - T(7)) + 8) - 9) \\
&:= (-1 - (23 \times (-4 - (T(5)))) &= (((T(6) + T(T(7))) - T(8)) + T(9)) \\
&:= T(9) \times 8 + 76 &= 5 + 432 - 1 \\
&:= (T(-((9 - T(8)))) - (7 - 65)) &= (T(((T(T(4)) + 3)/2)) + 1) \\
& &= (-4 - ((T(3) + 2) \times (-T(10))))
\end{aligned}$$

$$\begin{aligned}
437 &:= ((T(T(1+2)) \times T(T(3))) - 4) &= (((5 + 6) \times 7) + (8 \times T(9))) \\
&:= ((1 \times 2) + T((34 - 5))) &= ((-6 + T(T(7))) - (8 - T(9))) \\
&:= ((T(9) - 8) + (T(T(7)) - 6)) &= ((5 + 432) \times 1) \\
& &= ((T(5) + 432) - 10) \\
&:= ((T(9) \times 8) + (7 \times (6 + 5))) &= -((4 - (T(T(3)) \times 21))) \\
& &= (-((4 - T(T(T(3)))) + 210)
\end{aligned}$$

$$\begin{aligned}
438 &:= ((1 + 2) + T((34 - 5))) &= (T(T(6)) + ((7 \times T(8)) - T(9))) \\
&:= ((9 + T((T(8) - 7))) - 6) &= (5 + (432 + 1)) \\
&:= -((9 + 8) - (7 \times 65)) &= (-4 + ((T(T(3)))^2 + 1))
\end{aligned}$$

$$\begin{aligned}
439 &:= -((1 - ((2^3) \times T(T(4)))) &= (-56) + (T(T(7)) + 89)) \\
&:= (-1 + (2 \times (T(T(T(3))) + (4 - T(5)))) &= ((6 + T(T(7))) + (T(8) - 9)) \\
&:= ((9 \times (8 \times 7)) - 65) &= ((T(T(4)) \times (T(3) + 2)) - 1) \\
&:= (-9 + (T(8) + (T(T(7)) + 6))) &= (T(T(5)) + ((T(4) \times 32) - 1)) \\
& &= (((-T(T(5)))/T(4)) + ((T(T(3)))^2 + (10)))
\end{aligned}$$

$$\begin{aligned}
440 &:= (((1 \times 2)^3) \times T(T(4))) &= (5 \times (6 - (7 - 89))) \\
&:= -(((1 - 23) \times (4 \times 5))) &= ((-T(6) + T(T(7))) + T(T((T(8)/9)))) \\
&:= (((98 \times 7) - T(T(6))) - T(5)) &= (T(4) \times (T((3^2)) - 1)) \\
&:= (T(9) - (((8 \times T(7)) + 6) - (5^4))) &= ((T(T(3)))^2 - 1) \\
& &= ((T(3) + 2) \times T(10))
\end{aligned}$$

$$\begin{aligned}
441 &:= (T(T(1+2)) \times T(T(3))) &= ((4 + T((5 \times 6))) - T((-7 \times (8 - 9)))) \\
&:= (1 + ((2^3) \times T(T(4)))) &= (((56 \times 7)/8) \times 9) \\
&:= (T(T(((1 + 2) + 3))) + T(4 \times 5)) &= ((6 + (7 + T(8))) \times 9) \\
&:= (-9 - (((8 + 7) \times 6) \times (-5))) &= ((T(4) \times T(T(3))) + T(21)) \\
&:= (((T(9) + 8) \times 7) + T((6 + 5))) + 4 &= (T(T(3)) \times 21) \\
&:= (9 \times ((T(8) + 7) + 6)) &= (T(((5 + 4) - 3)) \times 21) \\
& &= ((T(5 \times 4) + T(T(3))) + 210)
\end{aligned}$$

$$\begin{aligned}
442 &:= ((1 \times 2) \times (T(T(T(3))) - T(4))) &= ((5 - (6 - T(T(7)))) + (-8 + (T(9)))) \\
&:= (1 + (T((2 \times 3))^{T(4)/5})) &= (T((6 + T(7))) - (T((8 + 9)))) \\
&:= (- (T(9 + 8)) + T((T(7) + 6))) &= -((54 - T((32 - 1)))) \\
&:= ((T(9) \times 8) + ((T(7) - 6) + ((T(5) \times 4)))) &= ((T(T(3))^2) + 1) \\
&:= (((98 - 7) + T(T(6))) + (T(T(5)))) &= ((-((T(4) - T(T(T(3)))) \times 2) \times 1) \\
& &= (432 + 10)
\end{aligned}$$

$$\begin{aligned}
443 &:= (1 + (2 \times (T(T(T(3))) - T(4)))) &= (T((56 - T(7))) + (-8 + T(9))) \\
&:= (- (12) - (T((3 + T(4))) \times (-5))) &= (T((T(6) + 7)) + (-8 + T(9))) \\
&:= ((1 \times 23) + (4 \times (5 \times T(6)))) &= (T(T(7)) - (8 - T(9))) \\
&:= (T(9) - (8 - T(T(7)))) &= ((6 + 5) + (432 \times 1)) \\
& &= ((6 + (T(5) + 432)) - 10) \\
&:= (((T(9) \times 8) - 7) + (6 \times T(5))) &= ((-((T(4) - T(T(T(3)))) \times 2) + 1) \\
&:= (T(9) + (-8 + T((7 + T(6)))) &= ((T(T(5)) - T(T(4))) + T((3^{2+1})))
\end{aligned}$$

$$\begin{aligned}
444 &:= (- (T(T(1 + 2))) + T((3 \times T(4)))) &= ((T(5) + (6 + T(T(7)))) - (-8 - 9)) \\
&:= (- ((12 \times 3)) - (-4 \times T(T(5)))) &= -((6 \times ((7 - T(8)) - T(9))) \\
&:= ((-1 \times (T(23))) + (T((T(4) + 5)) \times 6)) &= (T(-((7 - T(8)))) + 9) \\
&:= (9 + T((T(8) - 7))) &= ((6 + 5) + (432 + 1)) \\
&:= ((T(9) - (8 - T(T(7)))) + ((6 - 5))) &= (T((T(4) \times 3)) - 21) \\
&:= (((T(9) + T(8)) - 7) \times 6) &= (T(5 \times 4) + (3 + T(21))) \\
& &= (((T(T(5))) \times 4) + (-3 \times (2 + 10)))
\end{aligned}$$

$$\begin{aligned}
445 &:= ((T(T(1 + 2)) \times T(T(3))) + 4) &= (-5 \times ((6 - 7) \times 89)) \\
&:= ((1 + (T((2 \times T(3))) + T(4))) \times 5) &= (67 + T((T(8) - 9))) \\
&:= ((9 + (T(8) + T(T(7)))) - 6) &= (T(T(5)) + (4 + 321)) \\
& &= (-5 + ((43 + 2) \times 10)) \\
&:= (T((((T(9) + 8) - 7) - T(6))) + T(T(5))) &= (4 + (T(T(3)) \times 21)) \\
& &= (T((T(4) \times 3)) - (2 \times 10))
\end{aligned}$$

$$\begin{aligned}
446 &:= (-1 - ((-2 \times T(T(T(3)))) + (T(4) + 5))) &= (T(T(6)) + ((T(7) \times 8) - 9)) \\
&:= ((-9 + (8 \times T(7))) + (T(T(6)))) &= ((5 \times 43) + T(21)) \\
&:= (((9 + 8) \times T(7)) - (6 \times 5)) &= ((4 + (T(T(3))^2) + 1)
\end{aligned}$$

$$\begin{aligned}
447 &:= (12 + T((34 - 5))) &= (T(6) + (T((-7 + T(8))) - 9)) \\
&:= (-((9 - ((8 \times 7) \times 6))) + T(T(5))) &= ((-4 + (T(T(3))^2) + (10)) \\
&:= ((-9 + T((T(8) - 7))) + (T(6))) &= (T(5) + (432 \times 1)) \\
& &= (5 + (432 + 10))
\end{aligned}$$

$$448 := ((T(9) + (8 + T(T(7)))) - (6 + 5)) = (-4 + ((T(T(T(3))) \times 2) - 10))$$

$$\begin{aligned}
449 &:= ((T(12) \times T(3)) + (-4 - (T(5)))) &= (((6 + T(T(7))) - 8) + T(9)) \\
&:= (-(-9) + (8 + ((T(T(7)) + T(6)) + 5))) &= ((T(4) \times T((3^2))) - 1) \\
&:= ((T(9) - 8) + (T(T(7)) + 6)) &= ((T(T(5)) \times 4) - (32 - 1)) \\
& &= (((5^4) - T(T(3 \times 2))) + T(10))
\end{aligned}$$

$$\begin{aligned}
450 &:= (T((12/3)) \times 45) &&= (((6 \times 7) + 8) \times 9) \\
&:= (T((12 - 3)) \times T(4)) &&= -((5 \times (6 - (7 + 89)))) \\
&:= (9 \times (8 + (7 \times 6))) &&= ((T(5) \times T(4)) \times (3 \times (2 - 1))) \\
&:= (98 + (T((7 + T(6))) - 54)) &&= (T((3^2)) \times 10) \\
&:= ((9 + (87 - 6)) \times 5) &&= (T(4) \times T((3^2 \times 1))) \\
&&&= ((43 + 2) \times 10)
\end{aligned}$$

$$\begin{aligned}
451 &:= ((T(T(1 + 2)) \times T(T(3))) + T(4)) &&= (T(((5 \times 6) - 7) + 8)) - T(9) \\
&:= (((1 \times T(23)) + T(T(4))) + T(T(5))) &&= (T((67 - T(8))) - T(9)) \\
&:= (1 \times (-((2 + 3)) + 456)) &&= (T(T(7)) + (T(8) + 9)) \\
&:= (9 + (T(8) + T(T(7)))) &&= (6 + ((T(T(5)) + 4) + (321))) \\
&:= ((T(9) \times 8) + (T((7 + 6)))) &&= (((T(5) \times T(4)) \times 3) + 2) - 1 \\
&:= ((9 \times (8 + (7 \times 6))) + (5 - 4)) &&= ((T(T(3))^2) + 10) \\
&:= (((T(9) \times 8) + 76) + T(5)) &&= ((T(4) \times T((3^2))) + 1) \\
&&&= (T(4) + (T(T(T(3)))) + 210)
\end{aligned}$$

$$\begin{aligned}
452 &:= ((1 \times (2 \times T(T(T(3)))) - T(4)) &&= (T(((5 + 6) + T(7))) - (-8 - 9)) \\
&:= ((1 \times 2) - (-((3 \times T(4))) \times T(5))) &&= (-T(T(6)) - (T(7) - (T(T(8)) + T(9)))) \\
&:= ((9 \times 8) + (76 \times 5)) &&= (T(4) + ((T(T(3))^2) + 1)) \\
&:= ((9 \times 8) - (76 \times (5 - T(4)))) &&= ((T(T(T(3))) \times 2) - 10) \\
&:= ((T(9) + T(T(8))) - (T(7) + T(T(6)))) &&= (((T(5) \times T(4)) \times 3) + 2) \times 1 \\
&&&= ((5 - 4) + ((T(T(3))^2) + 10))
\end{aligned}$$

$$\begin{aligned}
453 &:= -((12 - T((3 \times T(4)))) &&= (((5 \times 6) + (T(T(7)) + 8)) + 9) \\
&:= ((12 + T(T(T(3)))) + T(-((-4 \times 5))) &&= (((-6 + T(T(7))) + 8) + T(9)) \\
&:= (((T(9) \times 8) + T(7)) + 65) &&= -((((4 - T(T(T(3)))) \times 2) + 1)) \\
&&&= ((T((T(4) \times 3)) - 2) - 10) \\
&:= ((T(9) + 8) + (T(T(7)) - 6)) &&= (((T(5) \times T(4)) \times 3) + 2) + 1 \\
&&&= ((5 \times (-4)) - (-T(32) + T(10)))
\end{aligned}$$

$$\begin{aligned}
454 &:= (1 \times (2 \times (T(T(T(3))) - 4)) &&= -(((5 - (6 \times 78)) + 9)) \\
&:= (((-1 - 2)^{T(3)}) - (T(T(4)) \times 5)) &&= ((T(6) + (T(T(7)) + T(8))) - 9) \\
&:= -(((9 - 8) - (7 \times 65))) &&= (((4 - T(T(T(3)))) \times 2) \times (-1)) \\
&&&= (4 + (T((3^2)) \times 10)) \\
&:= T(-9 + T(8)) + 76 &&= 5^4 - T(-3 + 21) \\
&&&= 5^4 - 3 \times (2 + T(10))
\end{aligned}$$

$$\begin{aligned}
455 &:= (1 + (2 \times (T(T(T(3))) - 4)) &&= (5 - ((6 - (7 \times 8)) \times 9)) \\
&:= ((-1 + (23 \times 4)) \times 5) &&= -((T(6) + (-T(7) \times ((8 + 9)))) \\
&:= ((98 \times 7) - T(T(6))) &&= (5 \times (T((4 + (3^2))) \times 1)) \\
&&&= (5 - ((43 + 2) \times (-10))) \\
&:= ((9 - 8) \times (7 \times 65)) &&= (((-4 - T(T(T(3)))) \times 2) + 1) \\
&&&= (T((T((4 + 3)) + 2)) - 10)
\end{aligned}$$

$$\begin{aligned}
456 &:= (T(1+2) \times (T(T(3)) + (T(T(4)))))) = ((5 \times T((6+7))) - (8-9)) \\
&:= ((1+23) \times (4+T(5))) &= (T((-6+T(7))+8) - 9) \\
&:= (T(((9-8)+T(7))) + (T(6))) &= ((T(5)+4) \times (3+21)) \\
& &= ((-5+43) \times (2+10)) \\
&:= ((9-8) + (7 \times 65)) &= ((T(T(4)) + T(T(3))) \times T((2+1))) \\
& &= ((4 + (T(T(T(3))) \times 2)) - 10)
\end{aligned}$$

$$\begin{aligned}
457 &:= -((1 - ((2 \times T(T(T(3)))) - 4))) &= (((T((5 \times 6)) - 7) + 8) - 9) \\
&:= ((-1 \times ((-2 \times T(T(T(3)))) + T(4))) + 5) &= (6 + ((T(T(7)) + T(8)) + 9)) \\
&:= ((9 + (T(8) + T(T(7)))) + 6) &= ((-T(5)) - T(T(4))) + (T(32) - 1)) \\
& &= ((T(5) + 432) + 10) \\
&:= ((-9 - (-8+7)) + T((6 \times 5))) &= -((4 - ((T(T(T(3))) \times 2) - 1))) \\
& &= (T((T(4) \times 3)) + (2 - 10))
\end{aligned}$$

$$\begin{aligned}
458 &:= ((T(12) \times T(3)) - T(4)) &= (-(((5+6) - (T(T(7)) + 8))) + (T(9))) \\
&:= ((-((1 \times (-2))) - T(T(T(3)))) \times (-T(4)/5)) &= (-T(-((6 - T(7)))) - (-T(T(8)) - T(9))) \\
&:= ((9-8) \times (-7 + (T((6 \times 5)))))) &= (-4 + (T(T(T(3))) \times (2 \times 1))) \\
&:= ((T(9) + T(T(8))) - T((T(7) - 6))) &= ((T((T(T(5))/4)) + (3 \times (-2))) - 1) \\
& &= (-((T(5) \times 4)) + (T(32) - 10))
\end{aligned}$$

$$\begin{aligned}
459 &:= ((1 + (2 \times T(T(T(3)))))) - 4) = (((56+7) \times 8) - T(9)) \\
&:= ((1^2) \times (3+456)) &= ((T(T(7)) + 8) + T(9)) \\
&:= (T(9) + (8 + T(T(7)))) &= ((T(6) + 5) + (432 + 1)) \\
&:= (9 + ((8+7) \times (6 \times 5))) &= (T((T(4) \times 3)) - T((2+1))) \\
&:= (-9 + (T(8) \times (7+6))) &= (-T(5) + ((T(43)/2) + 1))
\end{aligned}$$

$$\begin{aligned}
460 &:= ((5 + (43 - 2)) \times 10) &= ((5 \times 4) + ((T(T(3)))^2 - 1)) \\
&:= ((9 + T((T(8) - 7))) + (T(6) - 5)) &= (T(4) \times (T((3^2)) + 1)) \\
& &= ((T(4) \times T((3^2))) + 10)
\end{aligned}$$

$$\begin{aligned}
461 &:= -((1 - (2 \times T(T(T(3)))))) &= ((T(4)/5) + ((6 \times 78) - 9)) \\
&:= (T(T((1 + (2 \times 3)))) + T(T(4))) &= ((56 + (T(T(7)) + 8)) - 9) \\
&:= (1 + ((23 \times 4) \times 5)) &= (T((T(6) + 7)) + T(T((8/9)))) \\
&:= (-T(12)) + (T(34) - 56) &= (T(T(7)) + T(T((8/9)))) \\
&:= (T(9) + (((8+76) \times 5) - 4)) &= ((T(T(T(3))) \times 2) - 1) \\
&:= (T(9) + (T(8) + (76 \times 5))) &= (((4 \times T(T(T(3))))/2) - 1) \\
& &= (-4 + T(((T(3)/2) \times 10)))
\end{aligned}$$

$$\begin{aligned}
462 &:= 1 \times 2 \times T(T(T(3))) &= 456 + 7 + 8 - 9 \\
&:= -(((1+2) - T((3 \times T(4)))) &= ((T((5 \times 6)) - 7) + (T(8)/9)) \\
&:= ((1 \times 2) - (-T((3 \times T(4)))) + 5) &= (-T(T(6))) \times (7 + (T(8) - T(9))) \\
&:= ((T(9) - (T(8) + 7)) \times T(T(6))) &= (((T(5) + 4) + 3) \times 21) \\
&:= ((9-8) \times (7 \times T((6+5)))) &= ((4 - T(3)) \times (-T(21))) \\
&:= ((9 \times 8) + ((76 \times 5) + (T(4)))) &= ((T(T(T(3))) \times 2) \times 1)
\end{aligned}$$

$$\begin{aligned}
463 &:= (1 + (2 \times T(T(T(3)))) && = (456 - (7 \times (8 - 9))) \\
&:= -((1 \times (2 - T((3 \times T(4)))))) && = ((56 + (T(T(7)) - 8)) + 9) \\
&:= (((T(9) + 8) + T(((7 + 6) + T(5)))) + 4) && = ((T(T(T(3))) \times 2) + 1) \\
&:= -(((9 - 87) \times 6) + 5) && = ((T((T(4) \times 3)) - 2) \times 1) \\
&&& = ((T(43)/2) - 10)
\end{aligned}$$

$$\begin{aligned}
464 &:= ((T(12) \times T(3)) - 4) && = ((5 + (6 \times 78)) - 9) \\
&:= ((12/3) \times ((-4 + T(T(5)))))) && = (T(T(6)) + ((T(7) \times 8) + 9)) \\
&:= ((9 + (8 \times T(7))) + T(T(6))) && = (T(((5 \times (4 \times 3))/2)) - 1) \\
&&& = (((-5 - 4) + T(32)) - T(10)) \\
&:= (T(9) - (T(8) - (7 \times 65))) && = (T((T(4) \times 3)) - (2 - 1)) \\
&&& = (4 \times (T(3) + (2 \times T(10))))
\end{aligned}$$

$$\begin{aligned}
465 &:= T((T((12 + 3))/4)) && = (5 \times ((6 + 78) + 9)) \\
&:= ((12 + (3^4)) \times 5) && = T((67 + (8 - T(9)))) \\
&:= ((12 - 3) + 456) && = T((-7 - (8 - T(9)))) \\
&:= T((T(9) - (8 + 7))) && = (((-6 - 5) - 4) \times (-(32 - 1))) \\
&:= T(((9 \times 8) - (7 \times 6))) && = T((54 - (3 + 21))) \\
&:= ((9 + T(8)) - (-7 \times (6 + 54))) && = T(((T(3)/2) \times 10)) \\
&:= ((9 + (8 + 76)) \times 5) && = (T((T(4) \times 3)) \times (2 - 1)) \\
&&& = (T((T(4) \times 3)) + (21 \times 0))
\end{aligned}$$

$$\begin{aligned}
466 &:= ((1^2) + T((3 \times T(4)))) && = (T((5 \times 6)) - ((7 - 8)^9)) \\
&:= (1 + T(((T((2 \times 3)) + 4) + 5))) && = ((-T(6)) + T(T(7))) + (T(8) + T(9)) \\
&:= (((T(9) + T(8)) + T(T(7))) - T(6)) && = (T(((5 \times (4 \times 3))/2)) + 1) \\
&:= (((9 - 8)^7) + T((6 \times 5))) && = (T((T(4) \times 3)) + (2 - 1))
\end{aligned}$$

$$\begin{aligned}
467 &:= (1 \times (2 + T((3 \times T(4)))) && = (T(((5 - 6) + T(7))) + 89) \\
&:= ((T(12) \times T(3)) - (-4 + 5)) && = ((6 + T(T(7))) + (T(T((8)/9)))) \\
&:= (T(9 + 8) - (T(T(7)) - (6 \times T(T(5)))) && = ((T((T(4) \times 3)) + 2) \times 1)
\end{aligned}$$

$$\begin{aligned}
468 &:= (T(12) \times T(3)) && = ((4 + ((56 \times 7))) + ((8 \times 9))) \\
&:= (1 + (2 + T((3 \times T(4)))) && = -(((5 + (T(6) - 78)) \times 9)) \\
&:= -(((9 - 87) \times 6)) && = -((5 - ((T(43)/2) \times 1))) \\
&&& = (T(T(5)) + (4 \times (32 + T(10)))) \\
&:= (-9 \times (-8 - (T(7) - (-T(6)) + 5))) && = ((T((T(4) \times 3)) + 2) + 1) \\
&:= (98 + ((76 \times 5) - T(4))) && = (T(3) \times T((2 + 10)))
\end{aligned}$$

$$\begin{aligned}
469 &:= (-1 + (2 \times (T(T(T(3))) + 4))) && = (-((5 + T(6))) + (T(T(7)) + 89)) \\
&:= ((T(12) \times T(3)) + (-4 + 5)) && = (T((6 + 7)) + T((T(8) - 9))) \\
&:= (T(-((9 - T(8)))) + T((7 + 6))) && = ((T(5) \times (-4)) + (T(32) + 1)) \\
&:= (((9 \times 8) + 7) \times 6) - 5 && = (((4 + T(T(T(3)))) \times 2) - 1) \\
&&& = ((-4 + T(32)) - T(10))
\end{aligned}$$



$$\begin{aligned}
470 &:= (1 \times (2 \times (T(T(T(3))) + 4))) = ((5 \times (67 + T(8))) - T(9)) \\
&:= -(((1 - 2) \times (T((3 \times T(4))) + 5))) = -((6 - (T(7) \times (8 + 9)))) \\
&:= (((9 + 8) \times T(7)) - 6) = (T((T(T(5))/4) + ((3 + 2) \times 1))) \\
&= (5 + T(4) + 32) \times 10 \\
&:= (((98 \times 7) - T(T(6))) + T(5)) = (((4 + T(T(T(3)))) \times 2) \times 1) \\
&= ((4 \times T(T((3 + 2)))) - 10) \\
471 &:= (1 + (2 \times (T(T(T(3))) + 4))) = (((T(T(5))/6) \times T(7)) - (89)) \\
&:= ((T(1 + 2) \times (3^4)) - T(5)) = (-T(T(6)) + (78 \times 9)) \\
&:= (-((9 - 8)) - (-7 - (T((6 \times 5)))) = (T((T(4) \times 3) + T((2 + 1)))) \\
&:= (T((T(9) - (8 + 7))) + 6) = ((T(5) \times (T(4) \times 3)) + (21)) \\
&= (-((-T(5) - 4) - (T(T(T(3))) \times (-2)) + (10))) \\
472 &:= ((T(12) \times T(3)) + 4) = (-((5 - (6 \times 78))) + 9) \\
&:= ((12 + T((3 \times T(4)))) - 5) = (T((T(T(6))/7) - 89)) \\
&:= ((9 + 8) + (7 \times 65)) = ((T(43)/2) - 1) \\
&:= -(((9 - (T(8) + (7 \times 65))) + T(4))) = ((T(T(T(3))) \times 2) + 10) \\
&:= ((9 \times 8) + (T(T(7)) - 6)) = ((T(T(5)) \times 4) + (-((3^2) + 1))) \\
&= (((-5 + 4) + T(32)) - (T(10))) \\
473 &:= ((1 + (2 \times T(T(T(3)))) + T(4)) = ((-5 + T((T(6) + 7))) + (8 \times 9)) \\
&:= (1 - ((2^3) - (4 \times T(T(5)))) = (-T(T(6)) - ((7 - T(T(8))) - T(9))) \\
&:= ((T(9) + T(T(8))) - (7 + T(T(6)))) = (-54 + (T(32) - 1)) \\
&:= (9 - (8 \times (7 - 65))) = (T(43)/(2 \times 1)) \\
&:= (T(-((9 - T(8)))) - (-((76 \times 5)/4)) = (T(32) - T(10)) \\
474 &:= (-(((1 \times 2) \times 3) + (4 \times T(T(5)))) = (6 \times (7 + 8 \times 9)) \\
&:= (((9 \times 8) + 7) \times 6) = (-54 + (T(32) \times 1)) \\
&:= (9 + ((87 + 6) \times 5)) = ((T(43)/2) + 1) \\
475 &:= (-T(T(1 + 2)) + T((T(T(3)) + T(4)))) = (5 \times (((6 + 7) \times 8) - 9)) \\
&:= (((9 + 8) \times T(7)) - (6 - 5)) = (T((T(4) + T(T(3)))) - 21) \\
&= (T((T((4 + 3)) + 2)) + 10) \\
476 &:= ((-1 + T(T((2 + 3)))) \times 4) = (-((5 - 6) \times (T(7) \times (8 + 9)))) \\
&:= (-(((1 - 2) - T(34)) - T(T(5))) = ((T(6) + 7) \times (8 + 9)) \\
&:= (((12 + 3) - 4) + T((5 \times 6))) = (T(7) \times (8 + 9)) \\
&:= ((9 + 8) \times T(7)) = ((65 \times (4 + 3)) + 21) \\
&:= ((9 + 8) \times (7 + T(6))) = ((5 + T((T(4) \times 3))) + T((2 + 1))) \\
&= ((54 \times (3^2)) - 10) \\
&:= (((9 + 8) \times T(7)) \times (6 - 5)) = (4 \times (T(T((3 + 2))) - 1)) \\
&= ((4 + (T(T(T(3))) \times 2)) + 10) \\
477 &:= (12 + T((3 \times T(4)))) = (-((5 - 6) + (T(7) \times (8 + 9)))) \\
&:= ((123 \times 4) - T(5)) = ((6 \times 78) + 9) \\
&:= (9 + (T(8) \times (7 + 6))) = ((5 + (T(43)/2)) - 1) \\
&:= (((9 + 8) \times T(7)) + (6 - 5)) = (4 + (T(32) - T(10)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{478} &:= ((T(12) \times T(3)) + T(4)) &&= (567 - 89) \\
&:= ((-1 + (2 - 3)) + (4 \times (T(T(5)))))) &&= (T((T(6) + 7)) + 8 \times 9) \\
&:= (-1 + (23 + 456)) &&= (T(T(7)) + 8 \times 9) \\
&:= (98 + (76 \times 5)) &&= (T(4) - (T(3) \times (-T((2 + 10)))))) \\
&:= ((9 \times 8) + T(T(7))) &&= (((-(-6) - (-T(T(5))) \times 4) - (3^2)) + 1) \\
& &&= (-((6 + (54 - T(32)))) + (10)) \\
&:= ((9 \times 8) + T((7 + T(6)))) &&= (5 + ((T(43)/2) \times 1)) \\
& &&= (-(((T(5) \times 4) - T(32))) + (10)) \\
\mathbf{479} &:= -((1 - (T(T((2 + 3))) \times 4))) &&= -((5 - (6 - (-T(T(7))) - (8 \times 9)))) \\
&:= (-1 - ((2 - 34) \times T(5))) &&= -(((T(T(6)) - 7) - (T(-((8 - T(9))))))) \\
&:= -(((T(T(9) - 8)) - 7) + T(T(6))) &&= ((5 + (T(43)/2)) + 1) \\
&:= ((98/7) + T((6 \times 5))) &&= ((4 \times T(T((3 + 2)))) - 1) \\
\mathbf{480} &:= (T((12 + 3)) \times 4) &&= (T(T(5)) - ((6 - 7) \times (8 \times T(9)))) \\
&:= (((1 + 23) \times 4) \times 5) &&= ((T((T(T(6))/7)) - T(8)) - T(9)) \\
&:= ((1 + 23) + 456) &&= (T(T(7)) + (T(T(8))/9)) \\
&:= (T(9) + T((T(8) - 7))) &&= (((6 + 5) + 4) \times 32) \times 1) \\
&:= ((T(9) + T((8 + T(7)))) - T(T(6))) &&= ((5 \times 4) \times (3 + 21)) \\
& &&= (5 \times ((43 \times 2) + 10)) \\
&:= (((T(9) - T(8)) + 7) \times (6 \times 5)) &&= ((4 \times T(T((3 + 2)))) \times 1) \\
& &&= (4 \times (T(3) \times (2 \times 10))) \\
\mathbf{481} &:= (1 + (T(T((2 + 3))) \times 4)) &&= ((56 \times 7) + 89) \\
&:= ((T(1 + 2) \times (3^4)) - 5) &&= ((6 + 7) \times ((-8 + T(9)))) \\
&:= ((T(9) - 8) \times (7 + 6)) &&= (((5 + T(4)) \times 32) + 1) \\
&:= (T(((9 - T(8)) + (76))) - T(5)) &&= ((4 \times T(T((3 + 2)))) + 1) \\
\mathbf{482} &:= (1 \times (2 \times (T(T(T(3))) + T(4)))) &&= ((5 + (6 \times 78)) + 9) \\
&:= ((12 + T((3 \times T(4)))) + 5) &&= (6 + (T(7) \times (8 + 9))) \\
&:= (((9 + 8) \times T(7)) + 6) &&= (((T(T(5)) \times 4) + 3) - 2) + 1) \\
& &&= ((-5 + 432) + T(10)) \\
&:= -(((9 - T(8)) - (7 \times 65))) &&= (((T(4) + T(T(T(3)))) \times 2) \times 1) \\
& &&= ((T(4) + (T(T(T(3))) \times 2)) + 10) \\
\mathbf{483} &:= (1 + (2 \times (T(T(T(3))) + T(4)))) &&= ((T(5) \times ((-6 + T(7)))) + T((8 + 9))) \\
&:= (T(12) + ((3^4) \times 5)) &&= -((T(6) - (7 \times (8 \times 9)))) \\
&:= ((9 \times (8 \times 7)) - T(6)) &&= (((5 \times 4) + 3) \times 21) \\
& &&= -((-((T(T(5)) \times 4) - (3 + (21 \times 0)))) \\
&:= ((9 \times (8 \times 7)) + (-6 - T(5))) &&= (((T(4) + T(T(T(3)))) \times 2) + 1) \\
& &&= ((T(43)/2) + 10)
\end{aligned}$$

$$\begin{aligned}
484 &:= (T(12) + T(T((3+4)))) &&= ((5+6) \times ((7-8) + T(9))) \\
&:= (-((1 \times 2)) + (T(3) + (4 \times T(T(5))))) &&= ((6 + T(T(7))) + 8 \times 9) \\
&:= ((9 \times 8) + (T(T(7)) + 6)) &&= (T(((T(5) + 4) + 3)) + T(21)) \\
& &&= (((T(5) - 4) + T(32)) - T(10)) \\
&:= (((-9 \times 8) + T(7)) \times (-6 - 5)) &&= (4 \times (T(T((3+2))) + 1)) \\
& &&= (T(T((4+3))) + T((2+10)))
\end{aligned}$$

$$485 := ((98 - (7 - 6)) \times 5) = (T((T(4) \times 3)) + (2 \times 10))$$

$$\begin{aligned}
486 &:= (T(1+2) \times (3^4)) &&= ((-((5-67)) - 8) \times 9) \\
&:= (((1 \times 2) \times 3) + (4 \times T(T(5)))) &&= (6 \times ((T(7) + 8) + T(9))) \\
&:= ((T(9) + (8 + T(7))) \times 6) &&= (54 \times ((3^2) \times 1)) \\
&:= ((-9 + T(8)) \times (7 + (6 + 5))) &&= (T((T(4) \times 3)) + 21) \\
& &&= (T((T(4) + T(3 \times 2))) - 10)
\end{aligned}$$

$$\begin{aligned}
487 &:= ((123 \times 4) - 5) &&= (T((67 - T(8))) - 9) \\
&:= (-((12) + (34 + T((5 \times 6)))) &&= ((T(T(7)) + T(8)) + T(9)) \\
&:= ((T(9) + T(T(8))) + (7 - T(T(6)))) &&= ((54 \times (3^2)) + 1) \\
&:= ((9 \times T(8)) - ((-T(7)) \times 6) + 5) &&= (432 + T(10)) \\
&:= ((T(9) + T(8)) + T(T(7))) &&= (6 + (((5 + T(4)) \times 32) + 1)) \\
& &&= ((65 + 432) - 10)
\end{aligned}$$

$$488 := ((T(9) + 8) + T((-(7 - T(6)) + (T(5)))) = -(((T(T(4)) + T(3)) \times (2 - (10))))$$

$$\begin{aligned}
489 &:= ((12 - 3) + (4 \times T(T(5)))) &&= (-6 + (T(T(7)) + 89)) \\
&:= ((-9 + T(T(8))) + (T(7) \times -6)) &&= (T(5) + ((T(43)/2) + 1))
\end{aligned}$$

$$\begin{aligned}
490 &:= (-T(1+2) + T((T(T(3)) + T(4)))) &&= (5 \times (-T(6)) - (7 \times (-8 - 9))) \\
&:= (T((1+23) + (T((4+T(5))))) &&= (T(T(6)) + (7 \times ((-8 + T(9)))) \\
&:= -((98 - (T(7) \times T(6)))) &&= (-5 - (T(T(4)) \times ((-T(3)) - 2) - 1)) \\
& &&= ((54 - (3 + 2)) \times 10) \\
&:= ((98 \times (7 - 6)) \times 5) &&= (T((T(4) + T(T(3)))) - T((2 + 1))) \\
& &&= (((4 + 3)^2) \times 10)
\end{aligned}$$

$$\begin{aligned}
491 &:= ((T(1+2) \times (3^4)) + 5) &&= ((67 \times 8) - T(9)) \\
&:= (T(9) + (T((T(8) - 7)) + (6 + 5))) &&= -((4 - ((3^2) \times T(10)))
\end{aligned}$$

$$\begin{aligned}
492 &:= (123 \times 4) &&= ((T(5) + (6 \times 78)) + 9) \\
&:= (12 \times (T(T(3)) - (-4 \times 5))) &&= (6 \times ((-7 + 89))) \\
&:= (T(9) - (8 - (7 \times 65))) &&= -((4 - T((32 - 1)))) \\
&:= ((9 \times T(8)) + (T(7) \times 6)) &&= (((-5 + T((T(4) + T(T(3)))) + 2) - 1) \\
& &&= ((5 + 432) + T(10))
\end{aligned}$$

$$\begin{aligned}
493 &:= ((-1 - 2) + T((T(T(3)) + T(4)))) &&= (((T(5) + T(6)) - 7) \times (8 + 9)) \\
&:= (T((1 + T((2^3)))) - (T(4 \times 5))) &&= ((6 + ((T(T(7)) + T(8)))) + T(9)) \\
&:= (T((T(9) - 8)) + ((7 \times 6) \times (-5))) &&= ((T((T(4) + T(T(3)))) - 2) - 1) \\
&:= (T(9) + ((T(8) + T(T(7))) + 6)) &&= ((T(T(5)) \times 4) + ((T(3) \times 2) + 1)) \\
& &&= (-((5 \times -4)) - (-T(32) + T(10)))
\end{aligned}$$

$$\begin{aligned} 494 &:= (1 \times (-2 + T((T(T(3)) + T(4)))) = ((5 - (6 - T(T(7)))) + 89) \\ &:= ((-9 - (8 - T(T(7)))) + (T(6) \times 5)) = ((T(T(4)) \times (3^2)) - 1) \end{aligned}$$

$$\begin{aligned} 495 &:= ((12 - 3) \times T(T(4))) &= (567 - (8 \times 9)) \\ &:= -(((1 - (2 \times T(3))) \times 45)) &= (T((T(6) + 7)) + 89) \\ &:= ((-1 - (2^3)) + (4 \times (T(T(5)) + 6))) &= (T(T(7)) + 89) \\ &:= ((98 + (7 - 6)) \times 5) &= (T(T(4)) \times (3 \times (2 + 1))) \\ &:= ((9 \times (8 \times 7)) + ((6 - 5) - T(4))) &= ((3^2) \times T(10)) \\ &:= -((9 + (T(8) \times (7 - T(6)))) &= (5 \times (T((4 \times 3)) + 21)) \\ & &= ((T(5) \times T(T(4))) - ((3 \times 2) \times T(10))) \end{aligned}$$

$$\begin{aligned} 496 &:= T((((1 + 2)^3) + 4)) &= (5 + ((67 \times 8) - T(9))) \\ &:= (1 \times T(((2 + 34) - 5))) &= T((((T(6) - 7) + 8) + 9)) \\ &:= ((9 \times (-T(8)) + T((7 + 6))) - (-5 + 4)) &= T((32 - 1)) \\ &:= T((9 + (8 - (7 - T(6)))) &= ((5 - 4) \times T((32 - 1))) \\ & &= ((54 \times (3^2)) + 10) \\ &:= T((9 + (87 - 65))) &= T((((4^3)/2) - 1)) \\ & &= T((43 - (2 + 10))) \end{aligned}$$

$$\begin{aligned} 497 &:= (1 + T((T((2 \times 3)) + T(4))) = (5 - (6 \times (7 - 89))) \\ &:= ((123 \times 4) + 5) &= (T(6) + (T(7) \times ((8 + 9)))) \\ &:= (-98) + T((T(7) + 6)) &= ((5 - 4) + T((32 - 1))) \\ &:= (9 - (-8 \times (76 - T(5)))) &= (T((T(4) + T(3 \times 2))) + 1) \end{aligned}$$

$$\begin{aligned} 498 &:= ((1 \times 2) + T((T(T(3)) + T(4))) = -(((T(5) - (6 \times 78)) - (T(9)))) \\ &:= (-12) + (34 \times T(5)) &= (-6 + (7 \times (8 \times 9))) \\ &:= ((98 + (T(T(7)) - T(6))) + T(5)) &= (T((T(4) + T(T(3)))) + (2 \times 1)) \\ &:= ((9 \times (8 \times 7)) - 6) &= (((T(T(5)) \times 4) - 3) + 21) \\ & &= -(((5 \times 4) - (T(32) - 10))) \end{aligned}$$

$$\begin{aligned} 499 &:= ((-T(-((-1 - 2)))) \times (T(T(3)) \times (-4)) - 5) = ((T(6) \times T(7)) - 89) \\ &:= ((9 \times 8) + (T(T(7)) + T(6))) &= ((5^4) + (-T(3)) \times 21)) \\ &:= (1 + (2 + T((T(T(3)) + T(4)))) &= (T((5 \times 6)) + (7 + (T(8) - 9))) \\ &:= ((T(9) - 8) + (7 \times T((6 + 5)))) &= ((T((T(4) + T(T(3)))) + 2) + 1) \\ & &= (4 + ((3^2) \times T(10))) \end{aligned}$$

$$\begin{aligned} 500 &:= (T((12/3)) \times (T(4) \times 5)) &= (((T(T(6)) - T(T(7))) + T(T(8))) + 9) \\ &:= ((9 + T(8)) + (7 \times 65)) &= (4 + T((32 - 1))) \\ & &= ((T(4) \times (3 + 2)) \times 10) \\ &:= (T(9) + ((8 \times T(7)) + (T(T(6))))) &= (5 - (T(T(4)) \times ((-T(3)) - 2) - 1)) \\ & &= (5 - (T(T(4)) \times (3 - (2 + 10)))) \end{aligned}$$

$$\begin{aligned} 501 &:= (T(((1 \times 2) \times 3)) + (4 \times T(T(5)))) = ((6 + T(T(7))) + 89) \\ &:= ((T(9) + T((T(8) - 7))) + T(6)) &= ((T(T(5)) \times 4) - (-T(3 \times 2)) \times 1) \\ &:= (-9 - ((8 - (7 \times 6)) \times T(5))) &= -(((T(T(4)) \times (-3)) - T(T(-((2 - 10)))))) \end{aligned}$$

$$\begin{aligned} 502 &:= (T(1+2) + T((T(T(3)) + T(4)))) &&= ((-5 - (-T(6) \times 7)) - (-8 \times T(9))) \\ &:= (((-9 - T(8))) + (T(T(7)) + (T(6)))) + (T(T(5)))) &&= (T((T(4) + T(T(3)))) + T((2+1))) \end{aligned}$$

$$\begin{aligned} 504 &:= (T(T(1+2)) \times (T(3) \times 4)) = ((5-6) \times (-7 \times ((8 \times 9)))) \\ &:= 12 \times (-3 + 45) &&= T(6) \times (7+8+9) \\ &:= ((T(12) \times 3) + (45 \times 6)) &&= (7 \times (8 \times 9)) \\ &:= ((9 \times 8) \times (7 \times (6-5))) &&= (4 \times (T(3) \times 21)) \\ &:= (98 + T((7 + T(6)))) &&= ((T(5) \times T(T(4))) - 321) \\ &&&= ((5+4) \times ((3-2) + T(10))) \\ &:= (9 \times (8 \times 7)) &&= (6 \times (T(T(5)) - (4 + (32 \times 1)))) \\ &&&= (-((6 - T(5))) - (((-4 - 3) - 2) \times T(10))) \end{aligned}$$

$$\begin{aligned} 505 &:= (-1 + (2 \times T(((3+4) + T(5)))) = (T((67 - T(8))) + 9) \\ &:= -(((9 \times 8) \times (-7)) - (6 - 5)) &&= (T(4) + ((3^2) \times T(10))) \end{aligned}$$

$$\begin{aligned} 506 &:= (T((12 + T(T(3)))) - T(T(4))) = ((5 \times (67 + T(8))) - 9) \\ &:= (1 \times (2 \times T(((3+4) + T(5)))) &&= (T((6 + T(7))) - 89) \\ &:= (((9+8) \times T(7)) + (6 \times 5)) &&= (T(4) + T((32 - 1))) \end{aligned}$$

$$\begin{aligned} 507 &:= ((123 \times 4) + T(5)) &&= ((T(6) \times 7) + (8 \times T(9))) \\ &:= -(((9 - ((T(8) \times 7))) - (T(T(6)) + T(5)))) &&= -(((T(4) - (T(T(T(3))) \times 2)) - T(10))) \\ &:= ((T(9) \times 8) + (7 \times T(6))) &&= -((54 - T((32 + 1)))) \\ &&&= -(((T(5) - 4) - (T(32) - 10))) \end{aligned}$$

$$\begin{aligned} 508 &:= (12 + T((T(T(3)) + T(4)))) &&= (-5 - ((T(6) - 78) \times 9)) \\ &:= (-(-T((1 + (2 \times 3)))) + (4 \times (T(T(5)))) &&= (T((T(T(6))/7)) - (8 + T(9))) \\ &:= (((T(9) + T(8)) + T(T(7))) + T(6)) &&= -((5 \times 4) + (-T(32) \times 1)) \\ &:= (-9 + ((87 \times 6) - 5)) &&= ((-T(4) + T(32)) - 10) \end{aligned}$$

$$509 := ((9 + T((T(8) - 7))) + 65) = -(((4 - T(T(T(3)))) \times 2) - (T(10)))$$

$$\begin{aligned} 510 &:= (((9 + 87) + 6) \times 5) = (T((4 \times T(3))) + 210) \\ &:= ((9 \times (8 \times 7)) + 6) &&= ((-T(5) - 4) + (T(32) + 1)) \\ &&&= (((-((5 \times T(4))) - 3) + 2) \times -(10)) \end{aligned}$$

$$511 := ((1^2) + (34 \times T(5))) = (T(T(6)) + (T(7) \times T((T(8)/9))))$$

$$\begin{aligned} 512 &:= (1 \times (2 + (34 \times T(5)))) &&= (((-6 - T(7)) + T(8))^9) \\ &:= (((T(9) + 8) \times 7) + (T(6) + T(T(5)))) &&= (-((4^3)) \times (2 - 10)) \end{aligned}$$

$$\begin{aligned} 513 &:= (1 + (2 + (34 \times T(5)))) = ((6 \times 78) + T(9)) \\ &:= (-9 + (87 \times 6)) &&= (T((54/3)) \times (2 + 1)) \\ &:= (9 \times (87 - (6 \times 5))) &&= (-4 - ((T(T(T(3))) \times (-2)) - (T(10)))) \end{aligned}$$

$$\begin{aligned} 514 &:= -(-(-(-12)) - (T(T((-3 + T(4)))) + (T(T(5)))))) = ((T((6 + T(7))) - (T(8))) - (T(9))) \\ &:= ((9 \times T(8)) + T((-7 + T(6) + 5))) &&= -((4 - (T(32) - 10))) \\ &:= (-((T(9) + T(8))) + T((T(7) + 6))) &&= -((5 - (-T(4) + (T(32) + 1)))) \\ &&&= -((T(T(5)) - (4 + (3 \times 210)))) \end{aligned}$$

$$\begin{aligned}
\mathbf{516} &:= -((1 - (2 \times T(T(T(3)))))) + T(T(4))) = T(5) + 6 + T(T(7)) + 89 \\
&:= (12 \times (T((3+4)) + T(5))) &= ((T(6) \times T(7)) - (8 \times 9)) \\
&:= ((-9 \times 8) + ((T(7) \times T(6)))) &= ((5 \times 4) + T((32 - 1))) \\
& &= ((-5 + ((4 \times -(T(3)))^2)) - T(10)) \\
&:= ((9 + (87 \times 6)) - (T(5))) &= ((T(T(4)) + (T(T(T(3))) \times 2)) - 1) \\
& &= (43 \times (2 + 10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{517} &:= -((T(12) - T(34))) &= (-5 + (6 \times (78 + 9))) \\
&:= ((9 + T(8)) + (7 + T((6 \times 5)))) &= -((T(4) - (T(32) - 1))) \\
&:= (((T(9) - 87) \times (-6 - 5)) + T(T(4))) &= ((T(T(T(3))) \times 2) + T(10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{518} &:= ((1 + (2 \times T(T(T(3)))))) + T(T(4))) &= ((5 + (6 \times 78)) + (T(9))) \\
&:= -((-12) - T(T(T(3)))) + (T(T(4)) \times ((5))) &= (-((T(6) - T(7))) \times (T(T(8))/9)) \\
&:= ((1 \times 2) - (-((34 \times T(5)) - 6))) &= (7 \times (T(T(8))/9)) \\
&:= (98 + ((7 + T(6)) \times T(5))) &= -((T(4) - T((32 \times 1)))) \\
&:= (98 + (7 \times (6 + 54))) &= (T(32) - 10) \\
&:= ((-T(9) + 8) \times (7 - T(6))) &= (-((5 + 4) - T(32))) - 1 \\
& &= (((5^4) + 3) - ((2 \times T(10))))
\end{aligned}$$

$$\mathbf{519} := (9 - ((8 - (7 \times 6)) \times T(5))) = ((-T(4)) + T(32)) + 1$$

$$\mathbf{520} := ((9 - (8 - 7)) \times 65) = (T((T((4 + 3)) + 2)) + T(10))$$

$$\begin{aligned}
\mathbf{521} &:= (-1 - ((-2 \times T(T(T(3)))) - (T(T(4)) + 5))) = (T((6 + T(7))) + (-T(T(8))/9)) \\
&:= (((9 + 8) \times T(7)) + T((-6 + T(5)))) &= (((4 \times T(3))^2) - T(10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{522} &:= (12 + (34 \times T(5))) &= (6 \times (78 + 9)) \\
&:= (9 \times ((T(8) + T(7)) - 6)) &= (543 - 21) \\
&:= (987 - T((6 \times 5))) &= (4 + (T(32) - 10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{523} &:= ((T(12) \times T(3)) + T(T(4))) &= (((-5 + T(T(6))) + (7 \times T(8))) + T(9)) \\
&:= (T(((12 \times 3) - 4)) - 5) &= (T((6 + T(7))) - (8 \times 9)) \\
&:= -(((9 \times 8) - T((T(7) + 6)))) &= -((5 - (T(((4^3)/2)) \times 1))) \\
& &= (543 - (2 \times 10)) \\
&:= (-(-T(9)) - ((T(8) \times (-7)) - (T(T(6)) - 5))) &= -((4 - T(32)) + 1)
\end{aligned}$$

$$\begin{aligned}
\mathbf{524} &:= (1 + (T(((2^3) \times 4)) - 5)) &= (6 + (7 \times (T(T(8))/9))) \\
&:= -(((T(9)) + (-8 - T(T(7)))) - (65))) &= (-4 + T((32 \times 1)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{525} &:= (T(T(1+2)) \times (T(T(3)) + 4)) = (T(5) \times (((6 + T(7)) - 8) + 9)) \\
&:= (T((12 - 3)) + (4 \times T(T(5)))) = (T(6) + (7 \times (8 \times 9))) \\
&:= ((9 \times (8 \times 7)) - (-6 - T(5))) = -((4 - (T(32) + 1))) \\
&:= ((9 \times (8 \times 7)) + T(6)) &= ((T(5) + (4 + T(3))) \times 21) \\
& &= (T(5) \times ((43 + 2) - 10))
\end{aligned}$$

$$\begin{aligned}
527 &:= (-1 + T((2^3) \times 4)) &&= (5 + (6 \times (78 + 9))) \\
&:= (-1 + T((23 + 4) + 5)) &&= ((67 \times 8) - 9) \\
&:= ((9 \times 8) + (7 \times 65)) &&= (T(((4^3)/2)) - 1) \\
&:= ((T(9 + 8) + (T(T(7)))) - ((T(6) + (T(5))) - 4)) = (T(32) - 1) \\
&:= (((9 \times T(8)) - T(7)) + T(T(6))) &&= (-((5 - 4) + (T(32) \times 1))) \\
&&&= ((54 + T(32)) - T(10))
\end{aligned}$$

$$\begin{aligned}
528 &:= T(((12 \times 3) - 4)) &&= (T(5) + ((6 \times 78) + T(9))) \\
&:= (1 \times T(((23 + 4) + 5))) &&= (6 \times ((7 + T(8)) + T(9))) \\
&:= ((1 + ((23 \times 4) - 5)) \times 6) &&= T((T(7) + (T(8)/9))) \\
&:= (-98) + (-T(7) + 654) &&= T((32 \times 1)) \\
&:= (((T(9) + T(8)) + 7) \times 6) &&= ((5 - (4 - T(32))) - 1) \\
&&&= T((54 - (32 - 10))) \\
&:= (((T(9) + T(8)) + 7) \times (T(6) - T(5))) = (T(((4^3)/2)) \times 1) \\
&&&= ((T(4) + T(32)) - 10)
\end{aligned}$$

$$\begin{aligned}
529 &:= (1 + T(((2^3) \times 4))) &&= (((5 \times (6 + 7)) \times 8) + 9) \\
&:= (9 + ((8 \times (7 + 6)) \times 5)) = (T(((4^3)/2)) + 1) \\
&:= 9 \times 8 - T(7) \times 6 + 5^4 &&= T(32) + 1
\end{aligned}$$

$$\begin{aligned}
530 &:= (T(T((1 + (2 \times 3)))) - (-4 - T(T(5)))) = ((-T((6 + 7))) + (T(T(8)))) - T(9) \\
&:= ((T(9) \times 8) - (-((T(7) + 6)) \times 5)) &&= ((4 + T(3)) \times (-2 - T(10))) \\
&:= (-T(9)) - (-T(T(8)) + T((7 + 6))) = ((5 - (4 - T(32))) + 1) \\
&&&= ((5 \times (4^3)) + 210)
\end{aligned}$$

$$\begin{aligned}
531 &:= (T(T(T(1 + 2))) + T((T(3) \times 4))) = (((5 + 67) \times 8) - T(9)) \\
&:= ((T(12) \times (3 + 4)) - T(5)) &&= ((67 - 8) \times 9) \\
&:= (((98 - 7) \times 6) - T(5)) &&= ((4 + T(32)) - 1) \\
&:= (9 + (87 \times 6)) &&= (T(5 \times 4) + 321) \\
&&&= (543 - (2 + 10))
\end{aligned}$$

$$532 := (((9 - 8) \times T(T(7))) + (6 + T(T(5)))) = ((4 + T(32)) \times 1)$$

$$\begin{aligned}
533 &:= (T(((12 \times 3) - 4)) + 5) = ((T(6) \times T(7)) - (T(T((T(8)/9)))) \\
&:= (T(9 + 8) + (76 \times 5)) &&= (4 + (T(32) + 1))
\end{aligned}$$

$$\begin{aligned}
534 &:= ((-1 - 2) \times (-3 - (T(T(4)) + T(T(5)))) = (T((T(6)/7)) \times 89) \\
&:= ((9 \times (8 \times 7)) + (6 \times 5)) &&= (-((4 - T(32))) + 10)
\end{aligned}$$

$$\begin{aligned}
535 &:= ((-1 + T(T((2^3)))) + (-T(4) - T(T(5)))) = (((T(6) \times T(7)) - 8) - (T(9))) \\
&:= (T((T(9) - 8)) - (T(7) \times (T(6) - T(5)))) &&= ((4 \times T(T((3 + 2)))) + T(10)) \\
&:= (T((T(9) - 8)) + (-T(7) \times 6)) &&= (T((T(5) + T(4))) + T(((T(T(3)) - 2) + 1))) \\
&&&= ((543 + 2) - 10)
\end{aligned}$$

$$\begin{aligned}
536 &:= -(((1 \times (-T(T((2^3)))))) + (T(4) + T(T(5)))) = (T(T(6)) - ((T(T(7)) - T(T(8))) - T(9))) \\
&:= ((T(9) + T(T(8))) + (-T(T(7)) + T(T(6)))) = ((5 + 4) + (T(32) - 1))
\end{aligned}$$

$$537 := -(((( -9 \times 87) + T(T(6))) + T(5))) = ((T(4) + T(32)) - 1)$$

$$\begin{aligned} 538 &:= (-(-(-12)) + (T(T((-3 + T(4)))) + (T(T(5)))))) = (-((T(6) - T(T(7)))) + T((8 + 9))) \\ &:= ((-9 + (T(T(8)))) + ((7 - 6) - T(T(5)))) = (T(4) + T((32 \times 1))) \\ &:= (T(9 + 8) + (T(T(7)) - (T(6)))) = (5 + (4 + (T(32) + 1))) \\ &:= -9 - T(8) - 7 \times 6 + 5^4 = ((5 \times 4) + (T(32) - 10)) \\ &:= -9 - T(8) - 7 \times 6 + 5^4 = T(32) + 10 \end{aligned}$$

$$\begin{aligned} 539 &:= (-1 - (-2 \times (T(3) \times 45))) = (T(6) + (7 \times (T(T(8))/9))) \\ &:= (((T(9) + T(8)) - 7) + T((6 \times 5))) = ((T(4) + T(32)) + 1) \\ &:= (-((98 - T(T(7)))) + T(T(6))) = ((T(5) \times (4 + 32)) - 1) \\ &:= ((T((T(T(5))/4) + T(T(3))) - (2 - T(10))) \end{aligned}$$

$$\begin{aligned} 540 &:= ((1 - T(T(-((2 - T(3)))))) \times (-T(4))) = ((567 - T(8)) + 9) \\ &:= ((1 \times 2) \times (T(3) \times 45)) = (-T(6) + T((78 - T(9)))) \\ &:= (T(9) \times ((T(8) \times 7)/T(6))) = (543 - (2 + 1)) \\ &:= (T(9) \times ((8 - (7 - 6)) + 5)) = ((54 \times (3 - 2)) \times 10) \\ &:= (T(9) \times ((8 - (7 - 6)) + 5)) = (T(4) \times (T(T((T(3) - 2))) - 1)) \\ &:= (T(9) \times ((8 - (7 - 6)) + 5)) = ((T(T(4)) \times T(3)) + 210) \end{aligned}$$

$$541 := ((T(12) \times (3 + 4)) - 5) = (T((67 - T(8))) + T(9))$$

$$\begin{aligned} 542 &:= (T((12 + T(T(3)))) - (4 + T(5))) = (T((6 + T(7))) - (8 + T(9))) \\ &:= (-((T(9) + 8)) + T((T(7) + 6))) = (543 - (2 - 1)) \\ &:= (((9 + T(T(8))) + ((-7 - 6))) - T(T(5))) = ((4 + T(32)) + 10) \end{aligned}$$

$$\begin{aligned} 543 &:= (T(12) + T((3 \times T(4)))) = ((T(T(5)) - T(6)) + (T(-((7 - T(8)))) + 9)) \\ &:= (T(((12 \times 3) - 4)) + T(5)) = (T((6 \times 7)) - (8 \times T(9))) \\ &:= ((-9 + (87)) + T((6 \times 5))) = (T((T(4) \times 3)) + T((2 + 10))) \\ &:= ((T(9) \times -8) + T((7 \times 6))) = (543 \times (2 - 1)) \\ &:= ((T(9) \times -8) + T((7 \times 6))) = (543 + (21 \times 0)) \end{aligned}$$

$$\begin{aligned} 544 &:= (T((1 + T((2 + 3)))) \times 4) = (5 + (T(6) + (7 \times (T(T(8))/9)))) \\ &:= (((1 \times 2)^{T(3)}) + (4 \times T(T(5)))) = (T((T(T(6))/7)) - (8 + 9)) \\ &:= (-((9 - T(8))) + 7) \times (T(6) - 5) = (4 \times T((T((3 + 2)) + 1))) \\ &:= (-((9 - T(8))) + 7) \times (T(6) - 5) = (4 \times T(((3 \times 2) + 10))) \end{aligned}$$

$$\begin{aligned} 545 &:= -((( -((1 + T(T(-((2 - T(3))))))) \times T(4)) - (-T(5)))) = ((67 \times 8) + 9) \\ &:= ((-T(9)) + T(T(8))) - 76 = ((543 + 2) \times 1) \\ &:= (-T(9) - ((-T(T(8))) + (-(-T((7 + 6)))) - T(5))) = ((T((4 \times T(3))) \times 2) - T(10)) \end{aligned}$$

$$\begin{aligned} 546 &:= (T(12) \times (3 + 4)) = (T((5 \times 6)) + (T(7) + (8 + T(9)))) \\ &:= (T(12) \times ((3 \times 4) - 5)) = (T(T(6)) + (7 \times (T(8) + 9))) \\ &:= ((9 + (87 \times 6)) + (T(5))) = (T((T(4) + 3)) \times T((2 + 1))) \\ &:= ((9 + (87 \times 6)) + (T(5))) = -((( -4 - 3) \times T((2 + 10)))) \end{aligned}$$



$$\begin{aligned}
548 &:= (T(12) + (T((3 \times T(4))) + 5)) = (T(T(6)) + (T(T(7)) - 89)) \\
&:= ((9 \times T(8)) - (7 - T(T(6)))) = ((5 \times 4) - (-T(32)) \times 1) \\
&:= ((-T(9)) + (8 \times 76)) - T(5) = ((T(4) + T(32)) + 10)
\end{aligned}$$

$$\begin{aligned}
549 &:= (-1 + (T(-(2 - T(3)))) \times T(T(4))) = (((56 + 7) \times 8) + T(9)) \\
&:= (-1 - ((T(T(-(2 - T(3)))) + T(T(4))) \times (-5))) = (((T(6) - 7) \times T(8)) + T(9)) \\
&:= (9 + ((87 + T(6)) \times 5)) = ((T(T(4)) \times T((T(3) - 2))) - 1) \\
&:= (T(9) + (-T(8)) \times (7 - T(6))) = (543 + T((2 + 1))) \\
&= (54 - (3^2) \times -T(10))
\end{aligned}$$

$$\begin{aligned}
550 &:= (T((12/3)) \times T(T(4))) = (567 - (8 + 9)) \\
&:= ((T((12 + 3)) - T(4)) \times 5) = (T(((6 \times 7) - 8)) - T(9)) \\
&:= -((T(9) - T((-8 + (7 \times 6)))) = (54 + T((32 - 1))) \\
&:= 9 + 87 \times 6 + T(5) + 4 = T(T(T(3) - 2)) \times 10 \\
&:= ((9 \times (8 + T(7))) + (T(T(6)) - 5)) = (T(4) \times T((3^2) + 1)) \\
&= (((-4 \times 3) + 2) \times (-T(10)))
\end{aligned}$$

$$\begin{aligned}
551 &:= (T((12 + T(T(3)))) - T(4)) = ((T(5 + 6) \times 7) + 89) \\
&:= ((T(12) \times (3 + 4)) + 5) = ((T(6) \times T(7)) + (8 - T(9))) \\
&:= (((98 - 7) \times 6) + 5) = (-T(4) + T((32 + 1))) \\
&:= (-T(9) + (8 + (T(7) \times T(6)))) = ((T(T(5)) + 432) - 1) \\
&= (543 - (2 - 10))
\end{aligned}$$

$$\begin{aligned}
552 &:= (1 \times (2 \times T((3 + (4 \times 5)))) = (T((T(T(6))/7)) + (T(8) - T(9))) \\
&:= ((9 \times 87) - T(T(6))) = ((T(T(5)) + 432) \times 1)
\end{aligned}$$

$$\begin{aligned}
553 &:= (1 + (2 \times T((3 + (4 \times 5)))) = ((-6 + T(T(7))) + T((8 + 9))) \\
&:= (T(9 + 8) + (T(T(7)) - 6)) = ((T(T(5)) + 432) + 1) \\
&:= (98 + (7 \times 65)) = ((T((T(4) + (T(T(3)))) + 2) + T(10))
\end{aligned}$$

$$\begin{aligned}
554 &:= -((( -((-1 - 2)^{T(3)}) + T(T(4))) + T(T(5)))) = ((-67) + T(T(8))) - T(9) \\
&:= ((T(9) - 8) - (-T(T(7))) - (T(T(6)) - T(T(5)))) = (4 + (T((T(3) - 2)) \times T(10)))
\end{aligned}$$

$$\begin{aligned}
555 &:= ((1 + (2 + 34)) \times T(5)) = -((6 - T((78 - T(9)))) \\
&:= ((9 \times (8 + T(7))) + T(T(6))) = ((54 \times T(3)) + T(21)) \\
&= ((543 + 2) + 10)
\end{aligned}$$

$$\begin{aligned}
556 &:= (T(T(T(1 + 2))) + T((T(T(3)) + 4))) = -((T(5) + ((T(6) \times (-T(7))) + (8 + 9)))) \\
&:= (T((1 - (2 - 34))) - 5) = ((T(T(6)) + T(T(7))) - (T(8) + T(9))) \\
&:= (T((T(9) - 8) - (7 \times T(6)))) = (5 - (T(4) - T((32 + 1)))) \\
&:= ((98 - 7) + (T((6 \times 5)))) = (T((4 + T(T(3)))) + T(21)) \\
&= (-T(T(4))) + ((T((T(3)^2)) - T(10)))
\end{aligned}$$

$$\begin{aligned}
557 &:= (T((12 + T(T(3)))) - 4) = (-T(5 + 6)) - (-7 \times 89) \\
&:= ((1 + (T(T((2^3)))) + (T(4) - T(T(5)))) = (T((T(T(6))/7)) - (T(8)/9)) \\
&:= ((-(-9) + (T(T(8)) - (T(7)))) + (-((6 \times T(5)))) = (-4 + T((32 + 1)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{558} &:= ((1+2) \times (T(T(T(3))) - 45)) = ((6 + (7 \times 8)) \times 9) \\
&:= (9 \times ((8 \times 7) + 6)) &= -(((-(T((T(5) + T(4)))) - T(T(T(3)))) + (2 \times -1))) \\
& &= -(((T((T(5) + 4)) \times -3) + (2 + 10))) \\
\mathbf{559} &:= (-1 - ((2^3) \times (-(T(T(4))) - (T(5)))) = (T((T(6) + 7)) + T((8 + 9))) \\
&:= -((1^2) - ((T(3) + 4) \times 56)) &= (T(T(7)) + T((8 + 9))) \\
&:= (T(9 + 8) + T(T(7))) &= ((6 \times 5) + (T((4^3)/2) + 1)) \\
&:= (-9 - (8 \times (-(76) + 5))) &= (T((T(T(4)) + (-(T(T(3)))))) - T((-2 + (10)))) \\
&:= (T(9 + 8) + T((7 + T(6)))) &= ((T((T(5) + T(4))) + (T(T(T(3)))) + (2 + 1)) \\
& &= ((5 + 4) + (T(T((T(3) - 2))) \times 10)) \\
\mathbf{560} &:= (-1 + T((23 + T(4)))) = (56 + (7 \times (8 \times 9))) \\
&:= ((T(12) + 34) \times 5) &= (T((T(T(6))/7)) + (8 - 9)) \\
&:= (((98 \times 7) - 6) - T(T(5))) = (T(((T(4) + T(T(3))) + 2)) - 1) \\
& &= ((T((4 + 3)) \times 2) \times 10) \\
\mathbf{561} &:= T((12 + T(T(3)))) = ((45 + T(6)) + ((T(T(7)) + 89))) \\
&:= T((1 - (2 - 34))) &= (T((5 \times 6)) + (7 + 89)) \\
&:= T(((1 + 23) + 4) + 5) &= ((T(T(6))/7) \times (8 + 9)) \\
&:= ((1^2) + ((T(3) + 4) \times 56)) = T((78 - T(9))) \\
&:= T((-(((9 - 8) - T(7))) + 6)) = (T((5 - (4 - 32))) \times 1) \\
&:= (9 + (87 + T((6 \times 5)))) &= T(((4 \times 3) + 21)) \\
&:= -98 + T(7) + 6 + 5^4 &= T(32 + 1) \\
\mathbf{562} &:= (1 + T((23 + T(4)))) = ((5 \times T((T(6) - 7))) - (8 - T(9))) \\
&:= ((-1 \times 2) \times (-(T(3)) + (T(T(4)) \times (-5)))) = (T((T(T(6))/7)) - (8 - 9)) \\
&:= ((9 \times T(8)) + (7 + T(T(6)))) &= ((5^4) - (3 \times 21)) \\
&:= (T(9) + ((87 \times 6) - 5)) &= (T(((T(4) + T(T(3))) + 2)) + 1) \\
& &= (((T(T(4)) + T(T(T(3)))) \times 2) - 10) \\
\mathbf{563} &:= (-(-(T((12 + T(T(3)))))) - (-(T(4))/5)) = ((T(T(6)) - T(7)) + (8 \times (T(9)))) \\
&:= (9 + (-((-(T(T(8))) + 7)) - (T(6) \times 5))) = (-(9 \times T(8)) - (-(T((7 \times 6))) + T(5))) \\
&:= (-T(9) + (8 \times 76)) &= -(((5 \times T(T(4))) + T(3)) \times 2) - 1) \\
& &= (543 + (2 \times 10)) \\
\mathbf{564} &:= (-12) \times (3 - (T(4) \times 5)) = (((-T(6)) \times 7) + T(T(8)) + T(9)) \\
&:= ((T(9) + T(T(8))) - (7 \times T(6))) = (543 + 21) \\
\mathbf{565} &:= (T((12 + T(T(3)))) + 4) = (5 \times (((6 + 7) \times 8) + 9)) \\
&:= ((123 - T(4)) \times 5) &= ((6 + T(T(7))) + T((8 + 9))) \\
&:= (((T(9) - 8) + 76) \times 5) &= (4 + T((32 + 1))) \\
&:= -(((9 \times 8) - T(T(7))) - T(T(6))) = (T(5) + (T(T(4)) \times ((-3^2) + 1))) \\
& &= (((5^4) - 3) + (-2 - T(10)))
\end{aligned}$$

$$\begin{aligned}
566 &:= (T((1 - (2 - 34))) + 5) &= -(((T((6 + 7)) - T(T(8))) + 9)) \\
&:= ((9 - T(8)) + ((T(7) \times T(6)) + 5)) &= (((4 \times T(3))^2) - 10) \\
&:= (-((9 - T(T(8)))) - T((7 + 6))) &= (T(5) + (-T(4) + T((32 + 1)))) \\
& &= ((-T(T(5))) + T(4) + (T((T(3)^2)) + (10)))
\end{aligned}$$

$$\begin{aligned}
567 &:= (-1 - (2 - ((3 \times T((4 + T(5))))))) &= (6 + T((78 - T(9)))) \\
&:= ((1 \times (23 + 4)) \times (T(5) + 6)) &= (7 \times (T(8) + T(9))) \\
&:= (T(9) + (87 \times 6)) &= ((5 + 4) \times (3 \times 21)) \\
&:= ((T(9) + T(8)) \times 7) &= (T(6) \times (5 + (43 - 21))) \\
& &= ((T(6) \times (5 + (4 \times 3))) + 210)
\end{aligned}$$

$$\begin{aligned}
568 &:= -(((12 - T(34)) + T(5))) &= ((T((6 + T(7))) - T(8)) + 9) \\
&:= (9 - (T(8) - T((T(7) + 6)))) &= ((T((T(5) + 4)) \times 3) - (2 \times 1)) \\
& &= (((5 \times T(4)) + (T(32))) - 10)
\end{aligned}$$

$$569 := (((5^4) - (3 - 2)) - T(-(-10))) = ((5^4) - (T(T((T(3) - 2))) + 1))$$

$$\begin{aligned}
570 &:= -(((T(12)) + T(T(3))) \times T(4)) &= (5 \times ((6 \times 7) + 8 \times 9)) \\
&:= T(12 - 3) \times T(4) + T(T(5)) &= -6 + (T(7) + T(8)) \times 9 \\
&:= (((9 \times 8) + (7 \times 6)) \times 5) &= (-((T((4 + T(3))) + 2)) \times (-10)) \\
&:= ((9 \times (T(8) + T(7))) - 6) &= ((5 + 4) + T((32 + 1))) \\
& &= (((T(5) \times 4) \times T(3)) + 210)
\end{aligned}$$

$$\begin{aligned}
571 &:= (T((12 + T(T(3)))) + T(4)) &= (567 + (T(8)/9)) \\
&:= ((1^2) + (3 \times T((4 + T(5)))) &= ((T(6) \times T(7)) - ((8 + 9))) \\
&:= (((9 + 87) \times 6) - 5) &= (T(4) + T((32 + 1))) \\
&:= (-9 - (8 - (T(7) \times T(6)))) &= ((5^4) - (T(T((T(3) - 2))) - 1)) \\
& &= (T((5 - (4 - 32))) + 10)
\end{aligned}$$

$$\begin{aligned}
572 &:= (1 \times (2 \times (T(T(T(3))) + T(T(4)))) &= ((5 + 6) \times ((7 + T(8)) + 9)) \\
&:= ((1 \times 2) + ((3 \times T((4 + T(5)))))) &= (-((T(6) + T(7))) + (T(T(8)) - T(9))) \\
&:= (-T(9) + ((T(T(8)) - T(7)) - T(6))) &= ((T(5) - 4) + T((32 + 1))) \\
& &= (54 + (T(32) - 10)) \\
&:= ((T(9) + (87 \times 6)) + 5) &= (((T(T(4)) + T(T(T(3)))) \times 2) \times 1) \\
& &= (T(T(4)) + ((T(T(T(3))) \times 2) + T(10)))
\end{aligned}$$

$$\begin{aligned}
573 &:= (1 + (2 \times (T(T(T(3))) + T(T(4)))) &= ((-56) - (T(7) - T(T(8)))) - 9) \\
&:= (12 + T((T((3 + 4)) + 5))) &= (6 + (7 \times (T(8) + T(9)))) \\
&:= (((T(9) + T(8)) \times 7) + 6) &= (T((5 + 4) + T((32 \times 1))) \\
&:= ((9 - (T(8))) + ((T((T(7) + 6)) + 5))) &= (((T(T(4)) + T(T(T(3)))) \times 2) + 1) \\
& &= (T(T(4)) + (T(32) - 10))
\end{aligned}$$

$$\begin{aligned}
574 &:= (-T(T(1 + 2))) + T(34) &= (56 + (7 \times (T(T(8))/9))) \\
&:= -((-T(12)) - T((T((3 \times T(4)))/T(5)))) &= (-T(6) + T(((7 + T(8)) - 9))) \\
&:= -((9 - (T(T(8)) - (-7 + (6 \times T(5)))))) &= (T((T(T(4)) - T(T(3)))) - (21)) \\
&:= (T((-9 + T(8)) + 7) - T(6)) &= (T((5 + 4) + (T(32) + 1)) \\
& &= (((-5 - 4) + T(32)) + T(10))
\end{aligned}$$

$$\begin{aligned} 575 &:= (T(-((1 - T((2^3)))))) - T(T(4)) = ((T(5) \times (6 \times 7)) - T(T((T(8)/9)))) \\ &:= (-9 + (8 \times (7 + T((6 + 5)))) = (((4 \times T(3))^2) - 1) \end{aligned}$$

$$\begin{aligned} 576 &:= (T((12 + 3)) + 456) = ((T(7) + T(8)) \times 9) \\ &:= ((-9 + T((8 + 7))) + T((6 \times 5))) = ((4 \times T(3))^2 \times 1) \\ &:= (9 \times (T(8) + T(7))) = ((6 + (5 + 4)) + T((32 + 1))) \\ &= (6 \times ((54 + 32) + 10)) \\ &:= ((9 + 87) \times 6) = ((5 + (T(4))) + T((32 + 1))) \\ &= ((5 + 43) \times (2 + 10)) \end{aligned}$$

$$\begin{aligned} 577 &:= (1 + (-((2^{T(3)})) \times (-4 - 5))) = (T((-6 + T(7))) + (T(8) \times 9)) \\ &:= ((9 \times T(8)) + T((T(7) - 6))) = (-5 + (T(T(4)) + (T(32) - 1))) \\ &:= (9 + (8 \times (76 - 5))) = (((4 \times T(3))^2) + 1) \end{aligned}$$

$$\begin{aligned} 578 &:= ((-12) + T(34)) - 5 = ((6 + T(7)) \times (8 + 9)) \\ &:= ((9 + 8) \times (T(7) + 6)) = (((T(T(5)) - 4) + T(T(T(3)))) + (T(21))) \\ &= (((T(5) \times 4) + T(32)) - 10) \end{aligned}$$

$$\begin{aligned} 579 &:= ((1 - 2) + (T(34) - T(5))) = (T((6 \times 7)) - (T(8) \times 9)) \\ &:= (-((9 \times T(8))) + (T((7 \times 6)))) = ((5 \times (-4 + T(T((3 + 2)))))) - 1) \\ &:= (((T(9) + T(T(8))) + (-7 \times T(6))) + (T(5))) = ((-4 + T(32)) + T(10)) \end{aligned}$$

$$\begin{aligned} 580 &:= ((T((12 + 3)) - 4) \times 5) = ((T(6) + T(T(7))) + T((8 + 9))) \\ &:= ((T(9 + 8) + T(T(7))) + (T(6))) = (-5 \times (T(4) - (T(3) \times 21))) \\ &:= ((9 - 8) \times (T((T(7) + 6)) - (T(5)))) = (((T(4) \times T(3)) - 2) \times 10) \end{aligned}$$

$$\begin{aligned} 581 &:= ((1^2) + (T(34) - T(5))) = ((67 \times 8) + T(9)) \\ &:= (-9 + (T(T(8)) - 76)) = (54 + (T(32) - 1)) \end{aligned}$$

$$\begin{aligned} 582 &:= (((1 \times 2) + T(34)) - T(5)) = (6 + ((T(7) + T(8)) \times 9)) \\ &:= (((9 \times ((T(8) + T(7)))) + 6)) = (-5 + 4 + T(32) + T(10)) \\ &:= ((9 \times 8) - ((T(7) + 6) \times (-T(5)))) = ((T(T(4)) + T(32)) - 1) \\ &= (((T(T(4)) + T(T(T(3)))) \times 2) + 10) \end{aligned}$$

$$\begin{aligned} 583 &:= -((12 - T(34))) = (5 + ((T((6 + T(7))) - 8) - 9)) \\ &:= (T(((1 + 2) + (34))) - T(T(5))) = ((T(T(6)) + T(7)) + ((T(8) \times 9))) \\ &:= (-((-((9 \times 8)) - T(T(7)))) + (-T(6)) \times (-5)) = (T(T(4)) + (T(32) \times 1)) \\ &:= (-(((9 - 8) \times 7) \times 6)) + (5^4) = (T(32) + T(10)) \\ &:= ((9 \times T(8)) + (T(7) + T(T(6)))) = (54 + (T(32) + 1)) \\ &= ((5^4) - (32 + 10)) \end{aligned}$$

$$\begin{aligned} 584 &:= ((1 - 2) - (-T((3 \times T(4)))) - T(T(5))) = ((T(T(6)) - 7) + (8 \times T(9))) \\ &:= (-9 + ((8 \times 76) - T(5))) = (T(T(4)) + (T(32) + 1)) \\ &:= ((9 + T(T(8))) - T((7 + 6))) = ((T(T(5)) + (T((T(4) \times 3)))) + (-2 + 1)) \\ &= T(T(5)) + (-4 + T(T(T(3)))) \times 2 + 10 \end{aligned}$$

$$\begin{aligned}
\mathbf{585} &:= ((T(12)/T(3)) \times 45) = ((6+7) \times (T(8)+9)) \\
&:= ((9 \times (8-7)) \times 65) = (-T(4) + T((-T(3 \times 2) + T(10)))) \\
&:= ((9+T(8)) \times (7+6)) = -((5 \times (4 - (T(T((3+2))) + 1))) \\
&\quad = (-5 \times (-4 - ((3 + (2 \times T(10)))))) \\
\mathbf{586} &:= -(((1-2) + (-T((3 \times T(4)))) - T(T(5)))) = (T(((6 \times 7) - 8)) - 9) \\
&:= ((-9 + T(T(8))) + (-76) + 5) = (((4 \times T(3))^2) + 10) \\
&:= -((9 - T((-8 + (7 \times 6)))) = (T(5) - (-T(4) - T((32+1)))) \\
&\quad = ((-5 \times T(T(4))) + (T((T(T(3)) - (-2 \times 10)))) \\
\mathbf{587} &:= ((-1-2) + (T(34) - 5)) = ((T(6) \times T(7)) - (-8+9)) \\
&:= (-T(9) + (T(T(8)) - (T(7)+6))) = ((5 + (T(T(4)) + T(32))) - 1) \\
&:= ((-9+8) - ((T(7) \times (-6 - T(5)))) = (4 + (T(32) + T(10))) \\
\mathbf{588} &:= -((12 \times (T(3) - T(T(4)))) = ((T(5) + 6) \times (-T(7) \times (8-9))) \\
&:= (12 \times (34 + T(5))) = (T(6) \times (7 \times (T(8)/9))) \\
&:= (T(((9-8) \times 7)) \times T(6)) = ((T(5) - 43) \times -(21)) \\
&:= (98 \times (7 - (6-5))) = (T((4+3) \times 21)) \\
\mathbf{589} &:= (-T(1+2) + T(34)) = (((5 - T((6+7))) + T(T(8))) + 9) \\
&:= ((1-2) + (T(34) - 5)) = ((T(6) \times T(7)) + (-8+9)) \\
&:= ((9 \times (87 - T(6))) - 5) = (T((T(T(4)) - T(T(3)))) - T((2+1))) \\
&:= (9 - (8 - (T(7) \times T(6)))) = ((5 + (T(T(4)) + T(32))) + 1) \\
&\quad = ((5^4) - (3 \times (2+10))) \\
\mathbf{590} &:= (((1^2) \times T(34)) - 5) = ((-67) + T(T(8))) - 9) \\
&:= (T((T((9-8) \times 7)) + 6)) - 5 = ((-((T(T(4)) + T(3))) + 2) \times (-10)) \\
\mathbf{591} &:= (((1^2) + T(34)) - 5) = (T((6+T(7))) - (T(8)/9)) \\
&:= ((98 + T(7)) + T((6 \times 5))) = (-4 + T((-T(3 \times 2) + T(10)))) \\
&:= ((T(9) \times (T(8) - (T(7)))) + T(T(6))) = (((T(5) \times T(T(4))) - 3) - (T(21))) \\
&\quad = (-((-((5^4) - T(3 \times 2))) - (T(10))) \\
\mathbf{592} &:= ((-1-2) + T(34)) = ((56/7) \times (T(T(8))/9)) \\
&:= ((12 + T(34)) - T(5)) = ((T(6) \times T(7)) + (T(8)/9)) \\
&:= -(((--T(9)) \times 8) - (7 \times T((T(6) - 5)))) = (T((T(T(4)) - T(T(3)))) - (2+1)) \\
&:= ((-((9+T(8))) + T(T(7))) + T(T(6))) = ((5^4) - (32+1)) \\
&\quad = ((54 + T(32)) + 10) \\
\mathbf{593} &:= (1 \times ((-2 + T(34)))) = (-((5 \times 6)) + (7 \times 89)) \\
&:= (((1+2) + T(34)) - 5) = ((-T(6) - 7) + (T(T(8)) - T(9))) \\
&:= (((1-2) + T(34)) + 5) - 6 = (-T(7) + (T(T(8)) - T(9))) \\
&:= (-T(9) + (T(T(8)) - (7 + T(6)))) = (((5^4) - 32) \times 1) \\
&:= (-((T(9) - T(T(8)))) - T(7)) = ((T(6) + (T(5) - 4)) + T((32+1))) \\
&\quad = ((654 - (3 \times 2)) - T(10)) \\
&:= ((T(9) \times 8) + (7 - (-T(T(6))) + 5)) = (T((T(T(4)) - T(T(3)))) - (2 \times 1)) \\
&\quad = ((T(T(4)) + T(32)) + (10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{594} &:= (1 - (2 - T(34))) &&= ((567 + T(8)) - 9) \\
&:= (-(-(12 - 3)) \times T(-(4 - T(5)))) &&= (T((6 + T(7))) + (8 - 9)) \\
&:= (9 \times (8 - (7 - 65))) &&= (T((-4 + T(T(3))) \times 2) - 1) \\
&:= (9 \times (87 - T(6))) &&= (((5^4) - 32) + 1) \\
&&&= (((T(5) - 4) + T(32)) + T(10)) \\
\\
\mathbf{595} &:= T(((1^2) \times 34)) &&= (5 - ((67 - T(T(8))) + 9)) \\
&:= ((123 - 4) \times 5) &&= T((6 + (7 \times (T(8)/9)))) \\
&:= ((1 - 2) + ((T(34) - 5) + 6)) &&= T((7 + (T(8) - 9))) \\
&:= T((-9 + (T(8) + 7))) &&= (-6 + ((5^4) - (3 + 21))) \\
&&&= (6 + ((5^4) - (3 \times (2 + 10)))) \\
&:= T((T(((9 - 8) \times 7) + 6)) &&= (T((T(5) - 4) + (T(32) + 1))) \\
&&&= ((-5 \times -(T(T(4)))) + (32 \times 10)) \\
&:= (-9 - (-(T(T(8))) + (-7 + ((65 + 4)))) &&= T(-(T(3 \times 2) - T(10))) \\
&:= (-T(9) + (8 + (T(T(7)) + (T(T(6)) - 5)))) &&= T((T(4) + (3 + 21))) \\
&&&= T(((4 \times (3 \times 2)) + 10)) \\
\\
\mathbf{596} &:= ((1^2) + T(34)) &&= (T(5) - ((-T(T(6))) + T(7)) - T((T(8) - 9))) \\
&:= ((T(1 + 2) + T(34)) - 5) &&= (T((6 + T(7))) - (8 - 9)) \\
&:= ((9 - 8) + T((T(7) + 6))) &&= ((5 \times T(T(4))) + (321)) \\
&:= -(((98 \times (-7)) + (6 \times T(5)))) &&= (T((-4 + T(T(3))) \times 2) + 1) \\
\\
\mathbf{597} &:= ((1 \times 2) + T(34)) &&= (-5 - (T(6) - (7 \times 89))) \\
&:= -(((1 + 2) - T(34)) - 5) &&= ((T(6) \times T(7)) - (T(8) - (T(9)))) \\
&:= (T(9) + (-(T(8)) + (T(7) \times T(6)))) &&= (T(5) + (T(T(4)) + (T(32) - 1))) \\
&:= ((9 \times (-8 - 76)) - T(5)) &&= (T((T(T(4)) - T(T(3)))) + (2 \times 1)) \\
\\
\mathbf{598} &:= ((1 + 2) + T(34)) &&= (-5 - ((67) \times ((T(8) - (T(9)))))) \\
&:= ((-1 \times 2) + (T(34) + 5)) &&= (T(T(6)) + (7 + (8 \times T(9)))) \\
&:= ((9 \times T(8)) + ((T(7) + T(T(6))) + T(5))) &&= (T((T(T(4)) - T(T(3)))) + (2 + 1)) \\
&:= (((T(9) \times 8) + 7) + T(T(6))) &&= ((5^4) + (-(T(3)) - 21)) \\
&&&= (((T(5) + 4) \times 32) - 10) \\
\\
\mathbf{599} &:= (-1 + (2 \times T((T(3) \times 4))) &&= -(((5 \times 6) + (T(7) - (T(T(8)) - 9)))) \\
&:= (1 - (2 - (T(34) + 5))) &&= ((6 - (T(7) - T(T(8)))) - T(9)) \\
&:= (-9 + (8 \times 76)) &&= ((5 \times T(T(((4 + 3) - 2)))) - 1) \\
&:= ((9 \times (87 - T(6))) + 5) &&= ((T((4 \times T(3))) \times 2) - 1) \\
\\
\mathbf{600} &:= ((1 \times 2) \times T((T(3) \times 4))) &&= (5 \times (67 + (8 + T(9)))) \\
&:= (((1^2) \times T(34)) + 5) &&= (6 \times (T(7) + 8 \times 9)) \\
&:= (((9 \times 8) + T(7)) \times 6) &&= (T(T(5)) \times (((4 \times 3)/2) - 1)) \\
&&&= ((54 + (3 \times 2)) \times 10) \\
&:= ((98 + (T(7) - 6)) \times 5) &&= ((T((4 \times T(3))) \times 2) \times 1) \\
&&&= ((T(4) \times (3 \times 2)) \times 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{601} &:= (T(1+2) + T(34)) &&= (T((T(5) + T(6))) - (-7 + 8 \times 9)) \\
&:= (((1^2) + T(34)) + 5) &&= (6 + T(((7 + T(8)) - 9))) \\
&:= (T((-((9 - T(8))) + 7)) + 6) &&= ((5^4) - (3 + 21)) \\
&:= ((9 - (8 - T((T(7) + 6)))) + 5) &&= ((T((4 \times T(3))) \times 2) + 1) \\
\mathbf{602} &:= ((12 + T(34)) - 5) &&= -((T(6) - (7 \times 89))) \\
&:= ((9 + (8 \times 76)) - T(5)) &&= -(((4^3) - T(T((-2 + 10)))))) \\
&:= (((T(9) + 8) \times 7) + (T(T(6)))) &&= (((5^4) - T(T(3))) - (2 \times 1)) \\
&&&= ((5^4) - (3 + (2 \times 10))) \\
\mathbf{603} &:= ((1 + 2) + (T(34) + 5)) &&= -(67 \times (T(8) - T(9))) \\
&:= (9 \times (((8 \times 7) + 6) + 5)) &&= (T((T(T(4)) + (-T(T(3)))))) + (-2 + (10))) \\
\mathbf{604} &:= ((T(12) + T(T((3 + 4)))) + T(T(5))) &&= (T(((6 \times 7) - 8)) + 9) \\
&:= (9 + T((-8 + (7 \times 6)))) &&= ((5^4) - T(((3 + 2) + 1))) \\
\mathbf{605} &:= (-((1 - (2 \times T(3)))) \times T(T(4))) &&= (T(5) - ((67 - T(T(8))) + 9)) \\
&:= ((-1 - T(T((2 + 3)))) \times (T(4) - (T(5)))) &&= ((T(6) \times T(7)) + ((8 + 9))) \\
&:= ((9 + 8) + (T(7) \times T(6))) &&= (5 \times (T(T(((4 + 3) - 2))) + 1)) \\
&&&= (5 \times (43 + T((2 + 10)))) \\
&:= (((9 + T(8)) + 76) \times 5) &&= (T(T(4)) \times ((T(3) \times 2) - 1)) \\
&&&= (((T(4) + 3) - 2) \times T(10)) \\
\mathbf{606} &:= (T(1 + 2) + (T(34) + 5)) &&= (6 \times ((7 \times 8) + T(9))) \\
&:= (((-T(9)) - 8) - 7) + T((T(6) + T(5))) &&= ((-T(4)) \times T(3)) + (T(T(-(2 - 10)))) \\
&:= ((T(9) + (8 \times 7)) \times 6) &&= ((-T(5)) \times 4) + T(T(((3^2) - 1))) \\
&&&= (((5^4) - (3^2)) - 10) \\
\mathbf{607} &:= (12 + T(34)) &&= ((5 - T(6)) - (-7 \times 89)) \\
&:= ((1 + T(T((2^3)))) - (4 \times T(5))) &&= (-T(6) + (7 + (T(T(8)) - T(9)))) \\
&:= -(((9 \times (8 - 76)) + 5)) &&= ((-4 + T((T(3)^2))) - T(10)) \\
&:= (-((T(9) - (T(T(8)) + 7))) - T(6)) &&= ((5^4) + (3 - 21)) \\
&&&= (((((5^4) - (T(3))) - 2) - (10)) \\
\mathbf{608} &:= ((-1 \times 2) - (-T(34) - T(5))) &&= ((-67) + T(T(8))) + 9) \\
&:= (-T(9) - (-T(T(8)) + (7 + 6))) &&= (((T(5) + 4) \times ((32 \times 1))) \\
&:= (T(9 + 8) + (7 \times 65)) &&= (-T(T(4)) + (-3 + T(T(-(2 - 10)))))) \\
\mathbf{609} &:= (1 - ((2 - T(34)) - T(5))) &&= (T(6) \times (T(7) - (8 - 9))) \\
&:= (((9 - 8) + T(7)) \times T(6)) &&= (((T(5) + 4) \times 32) + 1) \\
&&&= (((5^4) - (3 \times 2)) - (10)) \\
\mathbf{610} &:= (-((1 - T(T((2^3)))) - T(T(4))) &&= (-5 - ((6 \times 7) + (-T(T(8)) + 9))) \\
&:= (1 \times (((2 + 3)^4) - T(5))) &&= ((T(T(6)) + T(T(7))) - (T(8) - 9)) \\
&:= ((9 - (T(8) - T(T(7)))) + T(T(6))) &&= ((5^4) + (T(3) - 21)) \\
&&&= (T((5 \times (4 + 3))) - (2 \times 10)) \\
&:= ((T(9) \times (8 + 7)) - 65) &&= -(((T(T(4)) - T((T(3)^2))) + 1)) \\
&&&= -(((T(T(4)) - (3 \times 2)) \times 10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{611} &:= (T((12 \times 3)) - T(T(4))) &&= (T(T(5)) + ((67 \times 8) - T(9))) \\
&:= (((98 \times 7) - 65) - T(4)) &&= (T((T(3)^2)) - T(10)) \\
&:= (T(9) - (-T(T(8))) + (T((-7 + T(6))) + (-5))) &&= ((T(T(4)) - T((T(3)^2))) \times (-1)) \\
&&&= -((-T((4 + 32))) + T(10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{612} &:= ((-T(12)) + T(T(T(3)))) \times 4 = ((567 + T(8)) + 9) \\
&:= ((12 + T(34)) + 5) &&= (T((6 + T(7))) + (8 + 9)) \\
&:= ((9 + (8 \times 76)) - 5) &&= (-T(T(4)) + (T((T(3)^2)) + 1)) \\
&&&= (-((4 - T(T(3)))) \times T(-((2 - 10)))) \\
&:= (9 \times (-8 + 76)) &&= (T(T(5)) + (-4 + T((32 - 1)))) \\
&&&= ((54 - 3) \times (2 + 10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{613} &:= (1 - ((-2 - T(34)) - T(5))) &&= (T(-((6 - T(7)))) + (8 \times T(9))) \\
&:= ((T(9) \times 8) + (T((T(7) - 6)))) &&= (((5^4) - T(3)) - T((2 + 1)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{614} &:= ((-1 + (2 \times T((T(3) \times 4)))) + (T(5))) &&= ((T(6) - T(7)) + (T(T(8)) - T(9))) \\
&:= (1 \times (((2 + 3)^4) - (5 + 6))) &&= -(((7 - T(T(8))) + T(9))) \\
&:= (-((9 - (8 \times 76))) + (T(5))) &&= ((-T(T(4)) + 3) + T(T(-((2 - 10)))))) \\
&:= -((T(9) - (T(T(8)) - 7))) &&= ((T(6) + ((5^4) - 32)) \times 1) \\
&&&= (-((6 - ((5^4) + 3))) - (-2 + 10)) \\
&:= (-T(9) + (T(T(8)) - (T(7) - T(6)))) &&= ((T(5) \times (43 - 2)) - 1) \\
&&&= ((5^4) - (3 - (2 - 10)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{615} &:= (123 \times (T(4) - 5)) &&= -(((6 \times 7) - T(T(8))) + 9)) \\
&:= (((98 + 7) \times 6) - T(5)) &&= (((4 + T(T(3))))^2) - (10)) \\
&:= -(((9 - T(T(8))) + (7 \times 6))) &&= (54 + T((32 + 1))) \\
&&&= (((5^4) \times (3 - 2)) - (10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{616} &:= (T(T(1 + 2)) + T(34)) &&= (T((T(T(5))/6)) + (T(T(7)) \times (-8 + 9))) \\
&:= (T((12 \times 3)) - (T(4) \times 5)) &&= (T(T(6)) + (7 + T((T(8) - 9)))) \\
&:= (T(((9 - T(8)) + 7)) + (T(6))) &&= ((T(5) \times (43 - 2)) + 1) \\
&:= ((-T(9) + T((T(8) - 7))) + (T(T(6)) - 5)) &&= (T(T(4)) + T((32 + 1))) \\
&&&= (T(T((4 + 3))) + 210)
\end{aligned}$$

$$\begin{aligned}
\mathbf{617} &:= (1 - (-T(T((2^3)))) - (-T(4) \times 5)) &&= (-6 + (7 \times 89)) \\
&:= -((9 \times (8 - 76)) - 5) &&= (-T(-(-T(4)))) - (-T(3) - T(T(-((2 - 10))))))
\end{aligned}$$

$$\begin{aligned}
\mathbf{618} &:= ((1 - (-2)) \times (-(-((T(T(T(3))) - (T(4)))) - (-T(5)))) &&= ((-T(6))/7) + (T(T(8)) - T(9))) \\
&:= (9 + ((T(8) - 7) \times T(6))) &&= (((5^4) - T(3)) - 2) + 1) \\
&&&= (((T(5) + 4) \times 32) + 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{619} &:= ((-1 + ((2 + 3)^4)) - 5) &&= ((T(T(6)) + T(7)) + (8 \times T(9))) \\
&:= (((T(9) \times 8) + T(7)) + T(T(6))) &&= (((5^4) - 3) - (2 + 1)) \\
&&&= ((5^4) + ((T(3) - 2) - 10))
\end{aligned}$$



$$\begin{aligned}
\mathbf{620} &:= (T(-((1 - T((2^3)))))) - T(4) = ((567 + 8) + T(9)) \\
&:= (1 \times ((2 + 3)^4) - 5) = ((6 - (7 - T(T(8)))) - T(9)) \\
&:= ((-T(9) + T(T(8))) - (7 - 6)) = ((5 \times 4) \times (32 - 1)) \\
&:= ((98 \times 7) - T((6 + 5))) = (-T(4) + T(((T(3)^2) - 1))) \\
&= (((4^3) - 2) \times 10) \\
\mathbf{621} &:= (T((12 \times 3)) - 45) = (T((6 - (7 - T(8)))) - 9) \\
&:= -((-12) - ((34 - 5) \times T(6))) = (T((T(7) + 8)) - T(9)) \\
&:= -T(9) + T(T(8)) = 7 + 65 \times T(4) - T(3)^2 \times 1 \\
&:= ((98 \times 7) - 65) = (T(4) + (T((T(3)^2)) - T(10))) \\
&:= -((T(9) - T((8 + T(7)))) = (654 - (32 + 1)) \\
&= ((6 - (5 + 4)) \times (3 - 210)) \\
&:= (9 \times ((8 + T(T(7)))/6)) = ((5^4) - ((3 + 2) - 1)) \\
&= (((5^4) + (3 \times 2)) - 10) \\
\mathbf{622} &:= ((12 + T(34)) + T(5)) = ((-6 + (7 + T(T(8)))) - T(9)) \\
&:= (-((T(9) - (T(T(8)) + 7))) - 6) = (((5^4) - T(3)) + 2) + 1) \\
&= ((T(5 \times 4) \times 3) + (2 - 10)) \\
\mathbf{623} &:= ((T(T(T(1 + 2))) \times 3) + (-T(T(4)) - T(5))) = (-((T(6) - T(7))) \times 89) \\
&:= ((-1 + T((23 + 4))) + (T(5) + T(T(6)))) = (7 \times 89) \\
&:= (T((-9 + T(8))) + ((T(7) + T(6)) \times 5)) = (-43 + T(T((-2 + 10)))) \\
&:= (-9 + (T(T(8)) - (T(7) + 6))) = (((5^4) - 3) + ((2 - 1))) \\
&= (-(((T((T(5) + 4)) \times (-3)) + 2)) + T(10)) \\
\mathbf{624} &:= (T(12) \times ((3 + T(4)) - 5)) = ((T(6)/7) + (T(T(8)) - T(9))) \\
&:= ((9 + 8 + 7) \times (T(6) + 5)) = (((4 + T(T(3)))^2) - 1) \\
&= (T((4 \times 3)) \times (-2 + 10)) \\
\mathbf{625} &:= (1 \times ((2 + 3)^4)) = (((5 - T((6 + 7))) + T(T(8))) + T(9)) \\
&:= (T(((1^2) + 34)) - 5) = ((T(6) \times T(7)) - (8 - T(9))) \\
&:= (((98 + 7) \times 6) - 5) = (((4 + T(T(3)))^2) \times 1) \\
&:= (T(9) - (8 - (T(7) \times T(6)))) = (((5^4) - 3) + (2 + 1)) \\
&= ((5^4) + (321 \times 0)) \\
\mathbf{626} &:= (1 + ((2 + 3)^4)) = (((-56) - (-7 - T(T(8)))) + 9) \\
&:= (T((T(12)/3)) - (T(T(4)) \times (-5))) = (-(((T(6) + T(7)) - T(T(8)))) + 9) \\
&:= (((9 + T(T(8))) - T(7)) - T(6)) = ((5^4) + (3/(2 + 1))) \\
&= (((5^4) - (3^2)) + 10) \\
&:= (-T(9) + (T((T(8) \times (7 - 6))) + 5)) = (((4 + T(T(3)))^2) + 1) \\
&= -((4 - (3 \times 210))) \\
\mathbf{627} &:= (-1 - (2 - (3 \times T(4 \times 5)))) = ((6 + T((T(7) + 8))) - T(9)) \\
&:= ((9 \times (-8 - 76)) + T(5)) = (((T(T(4)) + T(T(T(3)))) \times 2) + T(10)) \\
&:= (T((T(9) - 8)) - 76) = (((5^4) + 3) - (2 - 1)) \\
&= (((((5^4) - T(3)) - 2) + 10))
\end{aligned}$$

$$\begin{aligned}
628 &:= ((-1 \times 2) + (3 \times T(4 \times 5))) &&= (-((T(6) - T(7))) + (T(T(8)) - T(9))) \\
&:= -((((1 + 2) - T(34)) - T(5)) - T(6)) &&= ((7 + T(T(8))) - T(9)) \\
&:= -(T(9) + (T(T(8)) + 7)) &&= ((T((6 + 5)) \times T(4)) + (-32 \times 1)) \\
&&&= ((65 \times T(4)) - (32 - 10)) \\
&:= ((-T(9) + T(T(8))) + (T(7) - T(6))) &&= (((5^4) + 3) \times (2 - 1)) \\
&&&= -(((5 \times T(T(4))) - T((32 + 10))))
\end{aligned}$$

$$\begin{aligned}
629 &:= (((123 + 4) \times 5) - 6) &&= ((-T(7)) + T(T(8))) - 9) \\
&:= ((-9 + T(T(8))) - T(7)) &&= ((T((6 + 5)) \times T(4)) - (32 - 1)) \\
&:= ((-9 + (T(T(8)) - T(7))) \times (6 - 5)) &&= (T(-((T(4) - T((3^2)))))) - 1) \\
&:= (((-9 + T(T(8))) - 7) - T(6)) &&= (((5^4) + 3) + (2 - 1)) \\
&&&= (-5 + (4 + (3 \times 210)))
\end{aligned}$$

$$\begin{aligned}
630 &:= T(-((1 - T((2^3)))))) &&= (((-4 + 5) + 6) + (7 \times 89)) \\
&:= T(((1^2) + 34)) &&= ((-((5 - 67)) + 8) \times 9) \\
&:= T(((12 + 3) + (4 \times 5))) &&= T((6 + ((T(7) - 8) + 9))) \\
&:= (((T(9) + T(T(8))) - (76)) - 5) &&= ((T(4) \times 3) \times 21) \\
&&&= T(((43 + 2) - 10)) \\
&:= (-9 - (8 + (7 - 654))) &&= T(((T(3)^2) - 1)) \\
&&&= (3 \times 210)
\end{aligned}$$

$$\begin{aligned}
631 &:= ((1 + ((2 + 3)^4)) + 5) &&= (T((-6 + (T(7)))) + (T((T(8) - 9)))) \\
&:= (T(-((9 - T(8)))) + T((T(7) - 6))) &&= ((5^4) + ((3 + 2) + 1)) \\
&&&= ((5^4) - ((T(3) - 2) - 10)) \\
&:= (9 + (-8 - (-((7 \times 6)) \times T(5)))) &&= (T(-((T(4) - T((3^2)))))) + 1) \\
&&&= (((4 \times T(3))^2) + T(10))
\end{aligned}$$

$$\begin{aligned}
632 &:= (1 \times (2 + (3 \times T(4 \times 5)))) &&= (T((6 + T(7))) - ((8 - T(9)))) \\
&:= ((T(9) - 8) + T((T(7) + 6))) &&= (((5^4) + T(3)) + 2) - 1) \\
&:= ((9 + (8 \times 76)) + T(5)) &&= (-T(T(4))) - (-T(T(3))) - T(T(-((2 - 10))))
\end{aligned}$$

$$\begin{aligned}
633 &:= (1 + (2 + (3 \times T(4 \times 5)))) &&= (678 - T(9)) \\
&:= (9 + (T(T(8)) - (7 \times 6))) &&= (((5^4) + T(3)) + 2) \times 1)
\end{aligned}$$

$$\begin{aligned}
634 &:= (T(-((1 - T((2^3)))))) + 4) &&= (5 + (6 + (7 \times 89))) \\
&:= ((T(12) + T(T(T(3)))) + T((T(4) + (T(5)))))) &&= ((6 + 7) + (T(T(8)) - T(9))) \\
&:= (-((T(9) - (T(T(8)) + 7))) + 6) &&= (((5^4) + T(3)) + 2) + 1) \\
&&&= (((5^4) - (3 - 2)) + (10)) \\
&:= -(((9 - (T(T(8)) + 7)) + (6 \times 5))) &&= (4 + T(((T(3)^2) - 1))) \\
&&&= (4 + (3 \times 210))
\end{aligned}$$

$$\begin{aligned}
635 &:= ((123 + 4) \times 5) &&= ((6 - T(7)) + (T(T(8)) - 9)) \\
&:= (((98 + 7) \times 6) + 5) &&= (((4 + T(T(3))))^2) + (10)) \\
&:= (T(9) + (T(T(8)) - 76)) &&= (5 \times ((4 \times 32) - 1)) \\
&&&= (((5^4) \times (3 - 2)) + (10))
\end{aligned}$$

$$\begin{aligned}
636 &:= (T(T(T(1+2))) + ((3^4) \times 5)) = (-67 + T(-((8 - T(9)))) \\
&:= (987 - T((T(6) + 5))) = (4 \times (-3 \times (2 - T(10)))) \\
&:= -((9 - (T((8 + T(7))) - T(6)))) = ((5^4) + ((T(3) \times 2) - 1)) \\
&= ((5^4) + (3 - (2 - 10)))
\end{aligned}$$

$$\begin{aligned}
637 &:= (T(T(T(1+2))) + T(T((3+4)))) = (((T((T(5) + T(6))) - T(7)) + 8) + (-9)) \\
&:= (-((T(12) - T(34))) + T(T(5))) = (T(T(6)) + T((7 \times (T(8)/9)))) \\
&:= ((-T(9) + T(T(8))) - ((-7 + 6) - T(5))) = (T(T((4+3))) + T(21)) \\
&:= (((9 - 8) \times T(T(7))) + T(T(6))) = ((T(T(5)) - (T(4) - (T(32)))) - 1) \\
&= ((54 + T(32)) + T(10))
\end{aligned}$$

$$\begin{aligned}
638 &:= (((1+2) \times T(T(T(3)))) - T(T(4))) = ((5 + 678) - T(9)) \\
&:= (-((1 \times 2) \times (-(-T(3) + T((T(4) + T(5)))))) = ((T(T(6)) + T(T(7))) - (8 - 9)) \\
&:= ((9 - 8) - (-T(T(7)) - T(T(6)))) = (T(T(5)) - (T(4) - (-T(32) \times (-1)))) \\
&= ((T(5 \times 4) \times 3) - (2 - 10)) \\
&:= (((9 + T(8)) - (T(7) \times (-T(6)))) + 5) = (-T(T(4)) + (3 \times T(21))) \\
&= (T(-(-T(4))) + ((T(32) + T(10))))
\end{aligned}$$

$$\begin{aligned}
639 &:= -((1 - ((2^{T(3)}) \times T(4))) = (567 + 8 \times 9) \\
&:= (-1 + ((2^{3+4}) \times 5)) = (T((6 - (7 - T(8)))) + 9) \\
&:= (9 + T(((8 \times 7) - T(6)))) = ((5 \times (4 \times 32)) - 1) \\
&= ((5 + 4) + (3 \times 210))
\end{aligned}$$

$$\begin{aligned}
640 &:= (1 \times ((2^{T(3)}) \times T(4))) = (T((((T(5) - T(6)) \times (-7)) - 8) + T(9)) \\
&:= (1 \times ((2^{3+4}) \times 5)) = (T(((6 \times 7) - 8) + T(9)) \\
&:= (T(9) + T((-8 + (7 \times 6)))) = ((5 \times 4) \times (32 \times 1)) \\
&:= (((T(9) + T(T(8))) - (76)) + 5) = T(4) + T(T(3)^2) - 1 \\
&= (T(4) + (3 \times 210))
\end{aligned}$$

$$\begin{aligned}
641 &:= (1 + ((2^{T(3)}) \times T(4))) = ((T(T(5)) \times 6) - (7 + (8 \times 9))) \\
&:= ((T((12 \times 3)) - T(4)) - T(5)) = (((T(6) \times T(7)) + 8) + (T(9))) \\
&:= (-9 + (T(T(8)) - (7 - (6 - T(5)))) = -(((4 + T(T(3))) - (T(T(-(2 - 10)))))) \\
&:= (9 + (T(T(8)) - (T(7) + 6))) = ((5 \times (4 \times 32)) + 1) \\
&= ((T(5) - 4) + (3 \times 210))
\end{aligned}$$

$$\begin{aligned}
642 &:= (12 + T(((3+4) \times 5))) = (T(6) + (T((T(7) + 8)) - T(9))) \\
&:= (-T(9) + (T((8 + T(7))) + T(6))) = (((T(5) \times 43) - 2) - 1) \\
&:= (9 - (87 - (6 \times T(T(5)))) = ((-4 \times T(3)) + T(T(-(2 - 10))))
\end{aligned}$$

$$\begin{aligned}
643 &:= ((T(T(T(1+2))) \times 3) - (T(T(4)) - 5)) = (-((T(6) - 7)) + (T(T(8)) - 9)) \\
&:= -(((9 - T(T(8))) - (7 - T(6)))) = ((5^4) - (3 - 21))
\end{aligned}$$

$$\begin{aligned}
644 &:= (-1 - (((-2 \times (T(3))) \times T(T(4))) + (T(5)))) = (T(6) + (7 \times 89)) \\
&:= -((9 - (T(T(8)) - (7 + 6)))) = ((T(5) \times 43) - (2 - 1))
\end{aligned}$$

$$\begin{aligned}
\mathbf{645} &:= ((1 + (2^{3+4})) \times 5) &&= (- (T(6)) + T(T((7 - (8 - 9)))))) \\
&:= (T(T((9 - (8 - 7)))) - T(6)) = ((5 \times 43) \times (2 + 1)) \\
&:= (((98 + 7) \times 6) + (5 + T(4))) = -((T(T(3)) - T(T(-(2 - 10)))))) \\
\mathbf{646} &:= (T((12 \times 3)) - (4 \times 5)) &&= ((T(T(6)) + T(T(7))) - (T(8) - T(9))) \\
&:= ((T(9) - (T(8) - T(T(7)))) + T(T(6))) &&= ((T(5) \times 43) + (2 - 1)) \\
&:= (((-(-9) \times T(8)) + 7) + (- (T(6)) \times (-T(5)))) = (-((T(4) - T((T(3)^2)))) - (10)) \\
\mathbf{647} &:= (T((12 \times 3)) - (4 + T(5))) &&= (- (T(6)) - (7 - (T(T(8)) + 9))) \\
&:= 1 \times T(T(2^3)) - T(T(4)) + T(5) + T(6) = -T(7) + T(T(8)) + 9 \\
&:= ((9 + T(T(8))) - T(7)) &&= ((654 - (3 \times 2)) - 1) \\
&:= ((9 + T(T(8))) - (7 + T(6))) &&= ((T(5) \times 43) + (2 \times 1)) \\
&&&= ((5^4) + (32 - 10)) \\
\mathbf{648} &:= (T((1 + T((2^3)))) - T(T(4))) = (T(5) + (678 - T(9))) \\
&:= ((12 \times T(3)) \times (4 + 5)) &&= (-((6 - 78) \times 9)) \\
&:= ((T(9) + (8 \times 76)) - 5) &&= (- (T(T(4))) + T(((T(3)^2) + 1))) \\
&:= (T(9) + (8 + T((T(7) + 6)))) = (54 \times (T(3) \times (2 \times 1))) \\
&&&= ((5^4) + (3 + (2 \times 10))) \\
\mathbf{649} &:= (-1 + (2 \times T((T(T(3)) + 4)))) &&= ((5 + T(6)) + (7 \times 89)) \\
&:= (-1 - (2 \times ((- (T(3)) \times T(T(4))) + 5))) = (((T(6) + 7) + (T(T(8)))) - T(9)) \\
&:= -(((1 \times 2) + (- (T(34)) - 56))) &&= (T(7) + (T(T(8)) - T(9))) \\
&:= (-((T(9) - T(T(8)))) + T(7)) &&= (654 - ((3 + 2) \times 1)) \\
&&&= (654 + (3 + (2 - 10))) \\
&:= (- (T(9)) + (T(T(8)) + (7 + T(6)))) &&= ((5^4) + (3 + 21)) \\
&&&= (T(5) + (4 + (3 \times 210))) \\
&:= ((T(9) \times (8 + 7)) - (T(6) + 5)) &&= ((T((4 + T(T(3)))) \times 2) - 1) \\
&&&= ((4 - T(T(3))) + (T(T(-(2 - 10)))))) \\
\mathbf{650} &:= ((1 + (2^{T(3)})) \times T(4)) &&= (T(((5 \times 6) + 7)) - (8 + T(9))) \\
&:= (T(-((1 - T((2^3)))) + (4 \times 5)) &&= (T((T(T(6))/7) + 89)) \\
&:= ((1 - 2) + (T(34) + 56)) &&= ((-7 + T(T(8))) - 9) \\
&:= (-9 - (- (T(T(8))) + (T(7) - T(6)))) = (5 \times (4 + (T(3) \times 21))) \\
&&&= ((5 \times 4) + (3 \times 210)) \\
&:= ((-9 + T(T(8))) - 7) &&= (65 \times ((4 + (3 + 2)) + 1)) \\
&&&= ((T(6) + ((5^4) - (3 \times 2))) + 10) \\
&:= ((9 + (8 - 7)) \times 65) &&= (T((4 + T(T(3)))) \times (2 \times 1)) \\
&&&= (- (T(4)) + (T(3) \times (2 \times T(10)))) \\
\mathbf{651} &:= (1 + (2 \times T((T(T(3)) + 4)))) &&= (T(T(5)) + ((67 - 8) \times 9)) \\
&:= (T((1 \times (2 + 34))) - (T(5))) &&= (-((6 - T((1(7) + 8)))) - 9) \\
&:= (T(T(((98/7) - 6))) - (T(5))) = ((T(4) + T(T(3))) \times 21) \\
&:= -((9 - (T((8 + T(7))) - 6))) = ((T(5) \times 43) + T((2 + 1))) \\
&&&= (((5^4) + (T(3))) + (2 \times (10)))
\end{aligned}$$

$$652 := ((9 + (T(T(8)))) + (7 + (6 \times (-5)))) = -((4 - (T((T(3)^2)) - 10)))$$

$$\begin{aligned} 653 &:= (T((1 + T((2^3)))) - (T(4) \times 5)) &&= ((6 - (T(7) - T(T(8)))) + 9) \\ &:= (T(9) + (8 \times 76)) &&= (((T(T(5)) + 4) + T(32)) + 1) \\ &:= ((9 - 8) + (T(T(7)) + (T(T(6)) + (T(5)))))) &&= (-((T(4) + 3) + T(T(-(2 - 10)))))) \end{aligned}$$

$$\begin{aligned} 654 &:= -(((1 - (T(T((2^3))) + 4)) + T(5))) &&= (6 \times ((T(7) + T(8)) + T(9))) \\ &:= (9 - (((-((T(8) + T(7))) + T(6)) \times T(5)))) &&= ((4 \times (-3)) + (T(T((-2 + 10)))))) \\ &:= ((T(9) \times (8 + 7)) - T(6)) &&= -T(T(5))/T(4) + T(T(3)^2) \times 1 \\ &&&= (T(T(5)) - ((4 - (T(32))) - (10))) \end{aligned}$$

$$\begin{aligned} 655 &:= (-1 + (T(T((2^3))) - T(4))) &&= (5 \times ((6 \times 7) + 89)) \\ &:= ((12 \times T((T(3) + 4))) - 5) &&= (6 - (((-T(7)) - T(T(8))) + T(9))) \\ &:= (-T(9) - (((T(T(8)) + T(7))) - 6)) &&= ((T(5) + (-4 - T((T(3)^2)))) \times (-1)) \\ &&&= ((T((5 + T(4))) \times (3 + 2)) + T(10)) \\ &:= (((-((9 - T(T(8)))) + (7 + 6)) - T(5))) &&= (-T(4) + (T((T(3)^2)) - 1)) \\ &&&= ((T((4 \times T(3))) \times 2) + T(10)) \end{aligned}$$

$$\begin{aligned} 656 &:= (T((12 \times 3)) - T(4)) &&= (567 + 89) \\ &:= (((-((1 - T(T((2^3)))))) - 4) - 5) &&= -(((6 + 7) - (T(T(8)) - 9))) \\ &:= (((T(9) - T(8)) - 7) + 654) &&= (T((T(3)^2)) - 10) \\ &:= ((-9 + (T(T(8)) - 7)) + 6) &&= (((5^4) + 32) - 1) \\ &&&= (((5^4) + T(3 \times 2)) + 10) \\ &:= ((98 \times 7) - (6 \times 5)) &&= -((T(4) - (T((T(3)^2)) \times 1))) \\ &&&= (T((4 + 32)) - 10) \end{aligned}$$

$$\begin{aligned} 657 &:= (1 - (-T(T((2^3)))) + T(4)) &&= (((5 \times (6 + 7)) + 8) \times 9) \\ &:= ((T((12 \times 3)) - 4) - 5) &&= ((-6 + 7) \times (T(T(8)) - 9)) \\ &:= ((12 \times (3^4)) - (T(5) \times T(6))) &&= (T((T(7) + 8)) - 9) \\ &:= -9 + T(T(8)) &&= 7 + 654 - 3 - 2 + 1 \\ &&&= 7 + 654 + 3 \times 2 - 10 \\ &:= -((9 - T((8 + T(7)))))) &&= (654 + (3 \times (2 - 1))) \\ &:= ((9 - T(T(8))) \times (-7 + 6)) &&= (((5^4) + 32) \times 1) \\ &:= (9 + (8 \times (76 + 5))) &&= -(((T(4) - T((T(3)^2))) - 1)) \end{aligned}$$

$$\begin{aligned} 658 &:= ((T(12) + T(34)) - (T(5))) &&= ((-6 + 7) + (T(T(8)) - 9)) \\ &:= -((9 - ((T(T(8)) + 7) - 6))) &&= ((5^4) + (32 + 1)) \end{aligned}$$

$$\begin{aligned} 659 &:= -((1 - (2 \times (T(3) \times T(T(4)))))) &&= ((5 \times 67) + (T(8) \times 9)) \\ &:= ((-9 + T(T(8))) + (-7 - (6 - T(5)))) &&= ((T(T(4)) \times (T(3) \times 2)) - 1) \end{aligned}$$

$$\begin{aligned} 660 &:= (12 \times T((T(3) + 4))) &&= (-T(5 + 6) \times ((7 - 8) - 9)) \\ &:= ((T(12) - 34) \times T(5)) &&= ((T(6) \times T(7)) + 8 \times 9) \\ &:= (T(T((9 - (8 - 7)))) - 6) &&= (5 \times (4 \times (32 + 1))) \\ &:= (-(((9 - 8) - 7)) + 654) &&= ((T(3) \times 2) \times T(10)) \\ &:= ((98 + (T(7) + 6)) \times 5) &&= ((T(T(4)) \times T(3)) \times (2 \times 1)) \\ &&&= (((4^3) + 2) \times 10) \end{aligned}$$

$$\begin{aligned}
\mathbf{661} &:= -((1 - (T(T((2^3))) - 4))) &= (5 - (((-6 + 7) - T(T(8))) + 9)) \\
&:= (1 \times (T((2 + 34)) - 5)) &= (-T(6) + (7 + (T(T(8)) + 9))) \\
&:= ((9 + T(T(8))) + (7 - (6 + T(5)))) &= -((4 - (T((T(3)^2)) - 1))) \\
&:= (T((T(9) - 8)) - (7 \times 6)) &= ((5^4) + T((3^2) - 1)) \\
& &= ((5^4) + (3 \times (2 + 10)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{662} &:= (T((12 \times 3)) - 4) &= (((T(5) + 6) \times T(7)) + (T(T(8))/9)) \\
&:= ((1 + T((2 + 34))) - 5) &= ((-6 - 7) + (T(T(8)) + 9)) \\
&:= ((-9 \times (-8)) - (-T((T(7) + 6))) + 5) &= -((4 - (T((T(3)^2)) \times 1))) \\
&:= (9 + (T(T(8)) - (7 + 6))) &= ((5^4) - (-((T(3)^2) - 1))
\end{aligned}$$

$$\begin{aligned}
\mathbf{663} &:= (1 + (T(T((2^3))) - 4)) &= -(((T(T(5)) + 6) - 789)) \\
&:= (-1 - ((2 - T((T(3))^{T(4)/5})))) &= (6 + (T((T(7) + 8)) - 9)) \\
&:= -(((9 - T((8 + T(7)))) - 6)) &= (((T(T(5)) - T(4)) \times T(3)) + 2) + 1) \\
&:= ((-9 \times 8) - (7 \times (-T(6) \times 5))) &= ((-4 + T((T(3)^2)) + 1) \\
&:= (987 - (6 \times 54)) &= -((3 - T(T((-2 + 10))))))
\end{aligned}$$

$$\begin{aligned}
\mathbf{664} &:= (-1 - (-T(T((2^3)))) - (4 - 5)) &= ((-T(6) + (T(7) + T(T(8)))) - 9) \\
&:= (-1 + (T((2 + 34)) + (5 - 6))) &= (7 + (T(T(8)) - 9)) \\
&:= -(((9 - T(T(8))) - (T(7) - T(6)))) &= ((-5 + 4) + (T((T(3)^2)) - 1)) \\
&:= ((T(9) \times (8 + 7)) - (6 + 5)) &= (4 + ((T(3) \times 2) \times T(10))) \\
&:= ((-9 + T(T(8))) + 7) &= (654 + ((3^2) + 1)) \\
& &= ((654 \times (3 - 2)) + 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{665} &:= -((1 - T(T((2^3)))) &= (T(4) + (5 \times (((6 \times 7) + 89)))) \\
&:= -((1 - T((2 + 34)))) &= (((T(5) + 67) \times 8) + 9) \\
&:= ((-9 + (-8 + (T(7)))) + 654) &= (T((T(3)^2)) - 1) \\
&:= (((98 \times 7) - 6) - T(5)) &= (T((4 + 32)) - 1) \\
&:= ((98 \times 7) - T(6)) &= (T(((54/3) \times 2)) - 1) \\
& &= ((T(5) \times (43 + 2)) - 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{666} &:= T((12 \times 3)) &= (T(4) + (567 + 89)) \\
&:= (1 \times T((2 + 34))) &= ((-T(5)) - T(6)) + (78 \times 9) \\
&:= (-T((12 \times 3)) \times (4 - 5)) &= T((6 \times (7 + (8 - 9)))) \\
&:= (((12) + T(T(3))) \times (4 \times 5)) + 6 &= T(T((7 - (8 - 9)))) \\
&:= T(T((9 - (8 - 7)))) &= (T(T(6)) - (5 \times ((-43 \times 2) - 1))) \\
&:= T(T(((98/7) - 6))) &= T((54 + 3) - 21) \\
&:= ((T(9) \times (8 + 7)) + (6 - T(5))) &= (T((4 + 32)) \times 1) \\
&:= (-((9 \times (8 - 76))) + (54)) &= (T((T(3)^2)) \times 1) \\
& &= T((3 \times (2 + 10)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{667} &:= (1 + T(T((2^3)))) &&= (-4 \times 5) + ((678 + 9)) \\
&:= (1 + T((2 + 34))) &&= ((T(T((56/7))) - 8) + 9) \\
&:= ((T((12 \times 3)) - 4) + 5) &&= (T((6 + T(7))) + 8 \times 9) \\
&:= (-98) + 765 &&= (T((4 + 32)) + 1) \\
&:= (-9 + 8) + (76 \times (5 + 4)) &&= (T((T(3)^2)) + 1) \\
&:= ((9 \times 8) + T((T(7) + 6))) &&= (T(((54/3) \times 2)) + 1) \\
&&&= ((5^4) + (32 + 10)) \\
\mathbf{668} &:= ((1 \times 2) + (T((T(3)^{T(4)/5}))) &&= (T(6) - ((T(7) - T(T(8))) - 9)) \\
&:= ((-1 + (2^{T(3)})) + (T(T(4)) \times (5 + 6))) &&= ((-7 + T(T(8))) + 9) \\
&:= (((9 + T(T(8))) - T(7)) + T(6)) &&= ((5^4) + ((T(T(3)) \times 2) + 1)) \\
&:= (-9 + (T((8 + T(7))) + (6 + 5))) &&= (-4 + (T(3) + T(T(-(2 - 10)))))) \\
&:= (9 + (T(T(8)) - 7)) &&= (T((T(6) + 5)) - (4 - 321)) \\
&&&= (-(-654) - (T(3) - (2 \times 10))) \\
\mathbf{669} &:= (-1 + (T(T((2^3))) + 4)) &&= (((5) \times ((6 \times (T(7))) - T(8))) + 9) \\
&:= ((-1 - (-T(T(-(2 - T(3)))))) \times T(4)) + T(T(5))) &&= (678 - 9) \\
&:= (((9 + T(8)) - 7) + (6 + (5^4))) &&= (3 + T(T((-2 + 10)))) \\
&:= (((-(-9 - 8)) + (T(T(7)))) + (T(-(-T(6)))) + T(5)) &&= (4 + (T((T(3)^2)) - 1)) \\
&:= ((T(9) \times (8 + 7)) - 6) &&= (-(-((5^4))) - (-T((3^2)) + 1)) \\
&&&= (5 - (-4 + ((T(3) \times 2) \times (-T(10)))))) \\
\mathbf{670} &:= (-1 + (T((2 + 34)) + 5)) &&= (67 \times T((T(8)/9)) \\
&:= (T((12 \times 3)) + 4) &&= -((5 - ((67 + 8) \times 9))) \\
&:= -((9 - (T(T(8)) + (7 + 6)))) &&= (5 + (T((4 + 32)) - 1)) \\
&&&= ((5 + ((4^3) - 2)) \times 10) \\
&:= (((-9 + (T(T(8)))) + ((7 + (T(6)))) - T(5)) &&= (4 + (T((T(3)^2)) \times 1)) \\
&&&= (4 + T((3 \times (2 + 10)))) \\
\mathbf{671} &:= (1 + (T(T((2^3))) + 4)) &&= ((T(5) + 6) - (7 - (T(T(8)) - 9))) \\
&:= ((T((12 \times 3)) - T(4)) + T(5)) &&= (((T(6) - 7) + T(T(8))) - 9) \\
&:= (98 + ((T(7) \times T(6)) - T(5))) &&= (4 + (T((T(3)^2)) + 1)) \\
&:= (-9 + (T(T(8)) - (7 - T(6)))) &&= ((5 + T((4 + 32))) \times 1) \\
&&&= ((T(5) - 4) + ((T(3) \times 2) \times T(10))) \\
\mathbf{672} &:= ((1 + T((2 + 34))) + 5) &&= (6 + T(T((7 - (8 - 9)))))) \\
&:= (987 - (T(6) \times T(5))) &&= ((4 \times T(T(3))) \times (-2 - 10)) \\
&:= ((98 \times 7) + (6 - (5 \times 4))) &&= (T(3) + T(T(-(2 - 10)))) \\
&:= (T(T((9 - (8 - 7)))) + 6) &&= ((5 + T((4 + 32))) + 1) \\
&&&= ((T(T(5)) - (4^3)) \times (2 + 10)) \\
\mathbf{673} &:= (T(12) + T(34)) &&= -(((5 \times 6) - (T(7) + T(T(8)))) + (-9)) \\
&:= (9 - (8 \times (7 - (6 \times T(5)))))) &&= ((4 + 3) + T(T((-2 + 10))))
\end{aligned}$$

$$\begin{aligned}
\mathbf{674} &:= (((1+2)^{T(3)} - T(T(4))) &= ((5+678) - 9) \\
&:= -((1 + ((-2 \times T(3))) \times T(T(4)))) + (T(5))) &= ((6-7) + (T(T(8)) + 9)) \\
&:= (((-9 + T(T(8))) + T(7)) + (-6-5)) &= (-T(T(4)) + (3^{T(2+1)})) \\
&:= ((9 + T(T(8))) - (7-6)) &= ((T(5) \times (43+2)) - 1) \\
& &= (((5^4) - (3 \times 2)) + (T(10)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{675} &:= -((1 - (T(T((2^3))) + T(4)))) &= -((T(T(5)) - (6+789))) \\
&:= (1 \times ((T((2^3)) \times T(4)) + (T(5) \times T(6)))) &= ((7+8) \times T(9)) \\
&:= 9 + T(T(8)) &= (7+6) \times 54 - T(3) - 21 \\
& &= T((7-6) \times (5+4)) \times (3+2+10) \\
&:= (T(9) \times (8+7)) &= (T((-6 + (T(5)))) \times ((T(4) + (3 \times 2)) - 1)) \\
& &= (T(-((6 - T(5)))) \times (((4+3) - 2) + 10)) \\
&:= ((9 + T(T(8))) \times (7-6)) &= ((T(5) \times (43+2)) \times 1) \\
& &= (T((5+4)) \times ((3+2) + 10)) \\
&:= ((98 \times 7) - (6+5)) &= ((T(4) + T((T(3)^2))) - 1) \\
& &= (T((T(4) \times 3)) + 210)
\end{aligned}$$

$$\begin{aligned}
\mathbf{676} &:= (T((12 \times 3)) + T(4)) &= (5 + (((T(6) - 7) + (T(T(8)))) - 9)) \\
&:= (1 + (T((2+3) \times 45))) &= ((-6 + (7 + T(T(8)))) + 9) \\
&:= ((98 + (-((7 \times T(6))) - T(T(5)))) \times (-4)) &= (T((T(3)^2)) + 10) \\
&:= ((9 + (T(T(8)) + 7)) - 6) &= ((T(5) \times (43+2)) + 1) \\
& &= (T(((54/3) \times 2)) + (10)) \\
&:= ((-9 + (T(T(8)) + T(7))) + (6 - T(5))) &= ((T(4) + T((T(3)^2))) \times 1) \\
& &= (T((4+32)) + 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{677} &:= (1 + (T(T((2^3))) + T(4))) &= ((56 + T((T(7) + 8))) - T(9)) \\
&:= (1 \times (T(T((2^3))) - (4 - T(5)))) &= ((T(6) \times T(7)) + 89) \\
&:= (T(9) + (T(T(8)) - (T(7) + 6))) &= (((T(5) \times T(4)) + (T(32))) - 1) \\
&:= ((98 \times 7) + (6 - T(5))) &= ((T(4) + T((T(3)^2))) + 1)
\end{aligned}$$

$$\begin{aligned}
\mathbf{678} &:= (1 + (T(T((2^3))) - (4 - T(5)))) &= (T(6) + (T((T(7) + 8)) - 9)) \\
&:= (T(9) - ((87 - (6 \times T(T(5)))))) &= ((4 \times 3) + T(T((-2 + 10)))) \\
&:= -((9 - (T((8 + T(7))) + T(6)))) &= ((-5 - T(4)) + (3 \times T(21))) \\
& &= (T(((T(T(5))/4) + T(3))) + ((2 + 10)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{679} &:= -((-(((1-2)^{T(3)})) + (T(T(4)) - 5))) &= -(((6 - T(7)) - (T(T(8)) - 9))) \\
&:= (-9 - ((-8 \times (T((7+6)) - 5)))) &= ((T(4) + 3) + T(T(-(2-10)))) \\
&:= (-((9 - T(T(8)))) + (T(7) - 6)) &= ((T(5) \times T(4)) - (-T(32) - 1)) \\
& &= (((5^4) - (3-2)) + T(-(-10)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{680} &:= (((-9 + T(T(8))) + 7) - (-T(6) + 5)) &= ((4 + T((T(3)^2))) + 10) \\
&:= ((98 \times 7) - 6) &= (5 \times T((4^{3-2+1})))
\end{aligned}$$



$$\begin{aligned}
\mathbf{681} &:= ((1+2) \times (T(T(T(3))) - 4)) = -((T(5) + (6 - (78 \times 9)))) \\
&:= 1 \times T(2+34) + T(5) = -T(6) + 78 \times 9 \\
&:= ((98 \times (T(7) - T(6))) - 5) = ((4 - T(T(T(3)))) \times (-2 + 1)) \\
&:= ((T(9) \times (8 + 7)) + 6) = ((5^4) + (T(T((T(3) - 2))) + 1)) \\
&= (5 + (T((4 + 32)) + 10)) \\
\mathbf{682} &:= (((1 + T(T((2^3)))) + T(4)) + 5) = ((-T(6) + (T(7) + T(T(8)))) + 9) \\
&:= (T((1 + T((2^3)))) + ((4 - 5) \times T(6))) = (7 + (T(T(8)) + 9)) \\
&:= ((9 + (T(8) + T(T(7)))) + T(T(6))) = (((-5 \times (T((T(4) + T(3)))) - 2) \times (-1)) \\
&:= ((T(T((9 - (8 - 7)))) + T(6)) + (-5)) = (-(-T(4)) - (-T(3) - T(T(-(2 - 10)))))) \\
&:= (9 + (T(T(8)) + 7)) = (-((6 - (5^4))) + (3 \times 21)) \\
&= (((T((6 \times 5)) + T(4)) - 3) + 210) \\
\mathbf{683} &:= ((T(T(T(1 + 2))) \times 3) - T(4)) = ((T(T((56/7))) + 8) + 9) \\
&:= ((1 + 2) - (T((T(3) + (T(4)))) \times (-5))) = ((T((6 + 7)) \times 8) - T(9)) \\
&:= (T(9) + (T(T(8)) - T((7 \times (6 - 5)))))) = -((T(4) - (3 \times T(21)))) \\
&:= ((T(9) + T(T(8))) - T(7)) = ((6 \times T(T(5))) + ((-4 - 32) - 1)) \\
&:= (123 + (T(4) \times 56)) = -((T(7) - (T(T(8)) + T(9)))) \\
&:= (-T(9) + (8 \times T((7 + 6)))) = (-(((5 \times (T((T(4) + T(3)))) - 2) + 1)) \\
&= (((5 \times 4) - 3) + T(T((-2 + 10)))) \\
\mathbf{684} &:= (T((12 + T(3))) \times 4) = ((T(5) + 678) - 9) \\
&:= ((12 \times 3) \times (4 + T(5))) = (T((6 + T(7))) + 89) \\
&:= ((T(9) - T(8)) \times 76) = (54 + (3 \times 210)) \\
&:= (9 \times ((87 - 6) - 5)) = (4 \times T((-3 + 21))) \\
&= ((4 \times 3) \times (2 + T(10))) \\
\mathbf{685} &:= (T(-((1 - T((2^3)))) + T(T(4))) = ((56 - (T(7) - T(T(8)))) - 9) \\
&:= (T((12 \times 3)) + (4 + T(5))) = ((T(6) + 7) + (T(T(8)) - 9)) \\
&:= (1 - (-((2 \times 345)) + 6)) = ((T(7) + T(T(8))) - 9) \\
&:= ((-9 + T(T(8))) + T(7)) = ((654 + 32) - 1) \\
&:= (-9 - (-((T(T(8)) + 7)) - T(6))) = (((-(-T(5))) + 4) + (T(T(((3^2) - 1)))))) \\
&= ((T(5) \times (43 + 2)) + 10) \\
&:= ((98 \times 7) - (6 - 5)) = (T(T(4)) + T(((T(3)^2) - 1))) \\
&= (T(T(4)) + (3 \times 210)) \\
\mathbf{686} &:= (98 \times (7 \times (6 - 5))) = ((T(4) + T((T(3)^2))) + 10) \\
&:= (98 + (T(7) \times T(6))) = ((5 \times T(-((-T(4)) - 3))) + (T(21))) \\
&= (((5^4) + (3 \times 2)) + T(10)) \\
\mathbf{687} &:= (1 + (T(T((2^3))) + (4 \times 5))) = (678 + 9) \\
&:= (((98 \times 7) + (6 + 5)) - T(4)) = (T(T(3)) + T(T(-(2 - 10)))) \\
&:= -((-T(T((9 - (8 - 7)))) - T(6))) = (T(((T(T(5))/T(4)) \times 3)) + 21) \\
&= ((T(5 \times 4) \times 3) - (-2 - T(10)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{688} &:= ((T((1 + T((2^3)))) - T(4)) - 5) = ((67 + T(T(8))) - T(9)) \\
&:= ((9 + (T(T(8)) + 7)) + 6) = ((5^4) + (3 \times 21)) \\
\mathbf{689} &:= ((T(T(T(1 + 2))) \times 3) - 4) = ((5 + T((6 + T(7)))) + 89) \\
&:= -((1 - (2 \times 345))) = ((6 + 7) \times (8 + T(9))) \\
&:= ((9 + T(T(8))) - (7 - (6 + T(5)))) = -((4 - (3 \times T(21)))) \\
&:= ((T(9) + 8) \times (7 + 6)) = (5 + (4 \times T(-(3 - 21)))) \\
&= (5 + ((4 \times 3) \times (2 + T(10)))) \\
\mathbf{690} &:= ((1 \times 2) \times 345) = ((-6 - 7) + T(-(8 - T(9)))) \\
&:= (((-9 + (T(T(8)))) + ((7 + (T(6)))) + 5) = ((-4 \times (-T(3))) + (T(T(-(2 - 10)))))) \\
&:= (T((T(9) - 8)) - (7 + 6)) = ((T(T(5)) \times 4) + (T(T(T(3))) - (21))) \\
&= ((54 + T((3 + 2))) \times 10) \\
\mathbf{691} &:= (1 + (2 \times 345)) = ((6 + T(7)) + (T(T(8)) - 9)) \\
&:= (98 + ((T(7) \times T(6)) + 5)) = (4 + (T(T(3)) + T(T(-(2 - 10)))))) \\
&:= (-9 + (T(T(8)) + (T(7) + 6))) = (T(T(5)) - (-T(4) - T((32 + 1)))) \\
&= ((-5 + (T(4) \times 3)) + T(T(-(2 - 10)))) \\
\mathbf{692} &:= ((1 + T(T((2^3)))) + (T(4) + (T(5)))) = (T(T(6)) + (T(T(7)) + T(T((T(8)/9)))))) \\
&:= ((98 \times 7) + 6) = (-5 - (-4 - (3 \times T(21)))) \\
\mathbf{693} &:= ((1 + 2) \times T(T(T(3)))) = (45 - ((6 - 78) \times 9)) \\
&:= (T((1 + T((2^3)))) - T(4)) = ((5 - (6 - 78)) \times 9) \\
&:= (((1 + 2) \times T(T(3))) \times ((-4 + T(5)))) = (T(6) \times (78 - T(9))) \\
&:= (9 \times ((8 \times 7) + T(6))) = (((5 + 4)/3) \times T(21)) \\
&:= -(((9 \times 8) - 765)) = -((T(4) - T(((T(3))^2 + 1)))) \\
&:= ((T(9) - T(8)) + (76 \times (5 + 4))) = (3 \times T(21)) \\
\mathbf{694} &:= ((-1 \times 2) - ((T(3) \times (4 - T(T(5)))))) = (T(-((6 - (7 + T(8)))) - 9) \\
&:= (((T(9) + 8) \times (7 + 6)) + 5) = -((-T((4 + 3)) - T(T((-2 + 10)))))) \\
&:= (-9 + T((T(8) + (7 - 6)))) = ((5 - 4) + (3 \times T(21))) \\
&= (((T(5) + 4) \times (-T(3))^2) + 10) \\
\mathbf{696} &:= (12 \times (3 + T(T(4)))) = (((5 - 6) \times 7) + T((-8 + T(9)))) \\
&:= (((-1 + 2) \times T(3)) \times ((-4 + T(T(5)))))) = -((6 - (78 \times 9))) \\
&:= (12 \times ((T(3) - 4) + 56)) = (-7 + T((-8 + T(9)))) \\
&:= ((T(9) \times (8 + 7)) + T(6)) = (-((T(T(5)) - 4) \times (-((3 + 2)) - 1)) \\
&:= (T(9) + ((-8 - 7) + T((T(6) + T(5)))))) = (T((T(4) \times 3)) + T(21)) \\
&:= (T((T(9) - 8)) - 7) = (6 \times (T(5) + (((4 + T(3))^2 + 1))) \\
&= ((654 + 32) + 10) \\
\mathbf{697} &:= ((T(T(T(1 + 2))) \times 3) + 4) = -((((5 - 6) + 7) - T((-8 + T(9)))))) \\
&:= (-1 + (2 - (T(3) \times (4 - T(T(5)))))) = (-6 + ((T(7) + T(T(8))) + 9)) \\
&:= (((98 \times 7) + 6) + 5) = (4 + (3 \times T(21))) \\
&:= ((9 + T(T(8))) + (T(7) - 6)) = (((-((-T(T(5)) - 4)) \times T(3)) + 2) - 1)
\end{aligned}$$

$$\begin{aligned} 698 &:= (T(((1+2)+34)) - 5) &= (-((6+7)) + (T(T(8)) + T(9))) \\ &:= ((T(9) + T(T(8))) - (7+6)) &= (T(5) + (-T(4)) + ((3 \times T(21)))) \end{aligned}$$

$$\begin{aligned} 699 &:= (T((1+T((2^3)))) - 4) &= ((-T(5) \times 6) + 789) \\ &:= ((1+2) - (T(3) \times (4 - T(T(5)))))) &= ((6 \times 7) + (T(T(8)) - 9)) \\ &:= (-T(9) + (8 \times (T(7) + 65))) &= (-4 + T(((T(3)^2) + 1))) \\ &:= -((9 - (T(T(8)) + (7 \times 6)))) &= (T(5) + (4 \times T(-((3 - 21)))))) \\ & &= (T(5) + ((4 \times 3) \times (2 + T(10)))) \end{aligned}$$

$$\begin{aligned} 700 &:= (-((1 - T((2^3)))) \times (4 \times 5)) &= ((-T(6)/7) + T(-((8 - T(9)))))) \\ &:= ((98 + (7 \times 6)) \times 5) &= (4 \times (-(-T(T((3+2)))) - T(10))) \end{aligned}$$

$$701 := ((T(9) \times (8+7)) + (T(6) + 5)) = (-T(T(4))) - (-T(T(3)) \times T(-((2-10))))$$

$$\begin{aligned} 702 &:= (-T(12) + T((34+5))) &= (6 \times (T(7) + 89)) \\ &:= (9 \times (T(8) + (7 \times 6))) &= ((5+4) + (3 \times (T(21)))) \end{aligned}$$

$$\begin{aligned} 703 &:= T((1+T((2^3)))) &= T((T(4) + (5 - (67 - 89)))) \\ &:= T(((1+2)+34)) &= -((5 - (6 + (78 \times 9)))) \\ &:= T(((12 \times 3) - (4 - 5))) &= T((T((6 - (7 - 8))) + 9)) \\ &:= (1 + (2 \times (345 + 6))) &= ((T(7) + T(T(8))) + 9) \\ &:= T(((98 - 76) + T(5))) &= T((4 + (32 + 1))) \\ &:= ((9 - 8) + ((7 + 6) \times 54)) &= T(((T(3)^2) + 1)) \\ &:= T(T(9) - 8) &= (7 - 6)^5 \times T(4 + 32 + 1) \\ & &= 7 + 654 + 32 + 10 \\ &:= (9 + (T(T(8)) + T(7))) &= T(((6 - 5) \times ((4 + 32) + 1))) \\ & &= T(((6 + 5) + 4) + (32 - 10)) \\ &:= T(((T(9) - 8) \times (7 - 6))) &= T((T(5) + (43 - 21))) \\ & &= T(((54 + 3) - (2 \times 10))) \end{aligned}$$

$$\begin{aligned} 704 &:= (1 + T(-((2 - (34 + 5)))))) &= ((-6 + 7) + T(-((8 - T(9)))))) \\ &:= (1 + T(-((23 - (4 + 56)))))) &= ((-7 + T(T(8))) + T(9)) \\ &:= ((9 - 8) + T((7 + (6 \times 5)))) &= (-4 \times (-T(T(3 \times 2))) + T(10)) \\ &:= (T(9) + (T(T(8)) - 7)) &= -(((6 + 5) \times (-43 - 21))) \\ & &= (-((-654) + 3)) - (2 - T(10)) \\ &:= ((T((T(9) - 8)) + 7) - 6) &= (5 + (-4 + T(((T(3)^2) + 1)))) \\ & &= (((T(T(5)) - 4) \times T(3)) - (2 - 10)) \end{aligned}$$

$$\begin{aligned} 705 &:= (((1 + (2 \times T(T(3)))) + 4) \times T(5)) &= -(((6 - T((T(7) + 8))) - T(9))) \\ &:= ((987/T(6)) \times T(5)) &= ((4 + T(T(T(3)))) \times (2 + 1)) \\ &:= (T(9) + (T((8 + T(7))) - 6)) &= ((T(T(5)) \times 4) - (T(3) - T(21))) \\ & &= (((5^4) + (((T(3)) + 2) \times (10))) \end{aligned}$$

$$\begin{aligned} 706 &:= ((T((12 \times 3)) + T(T(4))) - (T(5))) &= ((T(6) + (T(7) + T(T(8)))) - 9) \\ &:= (-9 + (T(T(8)) + (T(7) + (6 + T(5)))))) &= (T((T(4) + T(T(3)))) + 210) \\ &:= (-9 + (T((T(8) + 7)) - T(T(6)))) &= (-(-T(5 \times 4)) + (T((32 - 1)))) \\ & &= (((5^4) + 3) + T((2 + 10))) \end{aligned}$$

$$\begin{aligned}
707 &:= (T((1 + T((2^3)))) + 4) &&= ((T(T(5)) + (-6 - (T(7) - (T(T(8)))))) - T(9)) \\
&:= (((1 + T(T((2^3)))) + T(T(4))) - T(5)) = (T(T(6)) + (T(7) \times (8 + 9))) \\
&:= ((98 \times 7) + (6 + T(5))) &&= (4 + T(((T(3)^2) + 1))) \\
&:= ((98 \times 7) + T(6)) &&= -T(5) + T(T(4)) + T(T(T(3) + 2)) + 1 \\
&&&= ((T(T(5)) + T((T(T(4)) - T(T(3)))) - (-2 + (10)))
\end{aligned}$$

$$708 := (T(((1 + 2) + 34)) + 5) = (6 + (78 \times 9))$$

$$\begin{aligned}
709 &:= (((1 + 2)^{T(3)} - (4 \times 5)) &&= (6 + ((T(7) + T(T(8))) + 9)) \\
&:= (((9 + 8) \times 7) \times 6) - 5 &&= (-(-43) + T(T((-2 + 10)))) \\
&:= (9 + (T(T(8)) + (T(7) + 6))) = ((T(T(5)) \times 4) - (-T(T(T(3)))) + ((2 \times 1))) \\
&&&= (((5^4) + T(3)) + (T((2 + 10))))
\end{aligned}$$

$$\begin{aligned}
710 &:= (((1 + (2 \times T(3))) \times T(T(4))) - 5) &&= ((6 - (7 - T(T(8)))) + T(9)) \\
&:= ((-1 - ((2 - 34) \times T(5))) + T(T(6))) = (7 + T((-8 + T(9)))) \\
&:= (T((T(9) - 8)) + 7) &&= (-(((6 \times T(T(5))) - ((-T(4) - 3) + 2))) + 1) \\
&:= ((T(9) + T(T(8))) - (7 - 6)) &&= (-((T(T(5)) + (4 + T(T(T(3)))))) \times (-2 \times 1)) \\
&&&= ((T(5) - (-T((4 + 3))) \times 2) \times 10)
\end{aligned}$$

$$\begin{aligned}
711 &:= (T((12 \times 3)) + 45) &&= ((6 \times T((7 + 8))) - 9) \\
&:= (T(((1 \times 2) + 34)) + T((T(5) - 6))) = (T((T(7) + 8)) + T(9)) \\
&:= (9 \times (8 + (76 - 5))) &&= ((-T(4)) + (T((T(3)^2))) + T(10)) \\
&:= (T(9) + T((8 + T(7)))) &&= ((6 \times (T(T(5)) - 4)) + (-T(3)) + (21)) \\
&:= T(9) + T(T(8)) &&= 7 \times 6 - T(5) + 4 \times T(-3 + 21) \\
&&&= 7 \times (6 + 5) + 4 + 3 \times 210 \\
&:= -((9 - (T((8 + 7)) \times 6))) &&= (T(5) + (T((T(4) \times 3)) + (T(21)))) \\
&&&= (T(5) + ((T(T(4)) + 3) \times (2 + 10)))
\end{aligned}$$

$$\begin{aligned}
712 &:= ((1 + T(T((2^3)))) + 45) &&= ((-6 + (7 + T(T(8)))) + T(9)) \\
&:= (9 + T((T(8) + (7 - 6)))) = T(5) + 4 + 3 \times T(21) \\
&:= (-((T(9) + 8)) + 765) &&= (-4 \times (-T(T(T(3))) + 2) + T(10))
\end{aligned}$$

$$\begin{aligned}
713 &:= (T((1 + T((2^3)))) + T(4)) &&= (5 + (6 + (78 \times 9))) \\
&:= (9 - ((-T(8)) - T(7)) \times (6 + 5)) = (T(4) + T(((T(3)^2) + 1)))
\end{aligned}$$

$$\begin{aligned}
714 &:= (T(T(1 + 2)) \times 34) &&= (((T(T(5)) \times 6) - 7) - (8 - 9)) \\
&:= -(((1^2) - (T(34) + T(T(5)))) = ((6 \times 7) \times (8 + 9)) \\
&:= ((9 \times (87 - 6)) - T(5)) &&= ((T(T(4)) - T(T(3))) \times 21) \\
&:= ((9 + 8) \times (7 \times 6)) &&= ((T(T(5)) \times 4) + (3 + T(21))) \\
&&&= (((5^4) - T(T(3))) + ((2 \times T(10))))
\end{aligned}$$

$$\begin{aligned}
715 &:= ((T(12)/T(3)) \times T(T(4))) = ((5 \times 6) - (-T(7)) - (T(T(8)) - 9)) \\
&:= ((1^2) \times (T(34) + T(T(5)))) = ((6 + 7) \times T(T((T(8)/9))) \\
&:= ((-9 - (8 \times 7)) \times (-6 - 5)) = (T(43) - T(21)) \\
&&&= ((4 + (3^2)) \times T(10))
\end{aligned}$$

$$\begin{aligned} 716 &:= (T((12 \times 3)) + (T(4) \times 5)) = ((6 + 7) + T(-((8 - T(9)))) \\ &:= (T((T(9) - 8)) + (7 + 6)) = -(((5 \times T(T(4))) - (T(T(3))^2)) \times 1) \end{aligned}$$

$$\begin{aligned} 717 &:= ((1 \times 2) + (T(34) + T(T(5)))) = ((6 \times 7) + (T(T(8)) + 9)) \\ &:= ((9 \times 87) - T((6 + 5))) = ((-4 + T((T(3))^2)) + T(10)) \\ &:= (9 + (T(T(8)) + (7 \times 6))) = -(((5 \times T(T(4))) - (T(T(3))^2)) - 1) \\ &= -(((5 + 4)^3) + ((2 + 10))) \end{aligned}$$

$$\begin{aligned} 718 &:= ((1 - (-2 - T(34))) + T(T(5))) = ((T(T(6)) + T(T(7))) + (T(8) + T(9))) \\ &:= ((-1 \times 2) + (3 \times ((4 + 5) + T(T(6)))) = ((7 + T(T(8))) + T(9)) \\ &:= ((T(9) + T(T(8))) + (T(7) - T(6))) = (T(5) + T((4 + (32 + 1)))) \\ &:= ((9 \times 87) - 65) = -((-T(T(4))) - (-3 + T(T(-(2 - 10)))))) \\ &:= (T(9) + (T(T(8)) + 7)) = (6 + ((T(5) + 4) + ((3 \times T(21)))) \\ &= ((T((6 \times 5)) + 43) + 210) \end{aligned}$$

$$\begin{aligned} 719 &:= (((1 + 2)^{T(3)}) - T(4)) = (5 + ((6 \times 7) \times (8 + 9))) \\ &:= ((T(T(1 + 2)) \times 34) + 5) = ((T((6 + 7)) \times 8) - 9) \\ &:= (-9 + (8 \times T((7 + 6)))) = (((5 \times 4) \times (T(3)^2)) - 1) \\ &:= (((9 + 8) \times 7) \times 6) + 5 = -((T(4) - (3^{T(2+1)}))) \end{aligned}$$

$$\begin{aligned} 720 &:= (12 \times (T(3) \times T(4))) = ((5 + 67) + 8) \times 9 \\ &:= ((12 \times (3 \times 4)) \times 5) = -((T(6) - T((-7 + T(8)) + 9))) \\ &:= (9 \times (8 + (7 + 65))) = ((T(T(4)) + T((T(3))^2)) - 1) \\ &= ((T(4) \times T(3)) \times (2 + 10)) \\ &:= (T(((9 + T(8)) - 7) - T(6))) = (T(-((5 - 43)) - 21)) \\ &= (((5 \times 4) \times 3) \times (2 + 10)) \end{aligned}$$

$$\begin{aligned} 721 &:= (T((12 \times 3)) + T(T(4))) = ((-T(T(5)))/(6) + T((T(7) + T((T(8)/9)))))) \\ &:= (-((-T(9)) - (T(T(8)))) + T((-7 + (6 + 5)))) = ((T(T(4)) + T((T(3))^2)) \times 1) \\ &:= (-98) - (-T((7 + 6))) \times (5 + 4)) = (T((T(3))^2) + T(10)) \end{aligned}$$

$$\begin{aligned} 722 &:= ((1 + T(T(2^3))) + T(T(4))) = ((5 - (-6 \times 7)) - (-T(T(8)) - 9)) \\ &:= ((9 + (8 \times T((7 + 6)))) - T(5)) = ((T(T(4)) + T((T(3))^2)) + 1) \end{aligned}$$

$$\begin{aligned} 723 &:= (1 + 2) \times (T(T(T(3))) + T(4)) = -T(5 + 6) + 789 \\ &:= -12 + (-T(3) + T(T(4))) \times T(5) = 678 + T(9) \\ &:= -9 + T(8 + T(7)) + T(6 + 5) = (T(4) + T(T(T(3)))) \times (2 + 1) \end{aligned}$$

$$\begin{aligned} 724 &:= (1 + 2)^{T(3)} - T(4) + 5 = 67 + T(T(8)) - 9 \\ &:= ((T(9) + T(T(8))) + (7 + 6)) = ((5 - T(4)) + (3^{T(2+1)})) \\ &:= ((9 \times (87 - 6)) - 5) = -(((5 \times T(T(4))) - 3) - T(T(-(2 - 10)))) \end{aligned}$$

$$\begin{aligned} 725 &:= (((1 + 2)^{T(3)}) - 4) = -((-T(T(5))) + (-(((T(6) \times T(7)) + 8) - 9))) \\ &:= (-((1 - T(T(2^3)))) - (-T(T(4)) - 5)) = ((-6 + T(7)) + T((-8 + T(9)))) \\ &:= (-((-T(9)) - T(T(8)))) + (((-7 + 6) + T(5))) = (-4 + (3^{T(2+1)})) \\ &:= ((T((T(9) - 8)) + T(7)) - 6) = (5 \times (((4 \times 3)^2) + 1)) \\ &= -(((T(5) \times (-T(T(4)))) - (-T((3^2))) - (T(10)))) \end{aligned}$$

$$\begin{aligned}
\mathbf{726} &:= ((1+2) \times (T(T(T(3))) - (4 - T(5)))) &&= (T(T(6)) + (T(T(7)) + 89)) \\
&:= (-T(9) - (-T(T(8)) - T((-7 + T(6)))) &&= (((5+4)^3) - 2) - 1 \\
&:= (-9 - (-((T(8) + 7) + 6) \times T(5))) &&= -(((T(4) \times T(3)) - (T(T(-(2-10))))))
\end{aligned}$$

$$\begin{aligned}
\mathbf{727} &:= (T(T(T(1+2))) + T((T(T(3)) + T(4)))) &&= (((5 + T(6)) \times T(7)) - (-8 + 9)) \\
&:= ((-T(9)) - 8) + T((T(7) + (6 + 5))) &&= (T((T(4) + T(T(3)))) + T(21))
\end{aligned}$$

$$\mathbf{728} := ((-T(9)) + 8) + 765 = (T((T(4) + 3)) \times (-2 + 10))$$

$$\begin{aligned}
\mathbf{729} &:= ((1+2)^{T(3)}) &&= (-4 - (56 - 789)) \\
&:= (((1+2)^3)^{T(4)/5}) &&= ((6 \times T((7+8))) + 9) \\
&:= (9 \times (87 - 6)) &&= ((54/T(3))^{2+1}) \\
&:= (9^{8 \times (7-6)} - 5) &&= (((T((4+3)))^2) - (T(10))) \\
&:= (9 \times ((87 - (6 \times T(5)))^4)) &&= (3^{T(2+1)})
\end{aligned}$$

$$\begin{aligned}
\mathbf{730} &:= (((1+2)^{T(3)}) - (4 - 5)) &&= (T((T(6) + 7)) + (T(8) \times 9)) \\
&:= (1 + ((23 - (4 \times 5))^6)) &&= (T(T(7)) + (T(8) \times 9)) \\
&:= ((9 \times T(8)) + T(T(7))) &&= (T(T(6)) + ((5^4) + (T(3) \times (-21)))) \\
&:= (T((9 + (T(8) - 7))) - (6 + 5)) &&= ((4^3) + T(T((-2 + 10)))) \\
&:= ((9 \times T(8)) + (T((7 + T(6)))) &&= (5 - (4 - (3^{T(2+1)}))) \\
&&&= ((5 \times (-T(4))) - (T((T(3) \times 2)) \times (-10)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{731} &:= (T(-((1 - (2 \times T(T(3)))))) - (T(4) + T(T(5)))) &&= ((T(6) + 7) + T(-((8 - T(9)))) \\
&:= ((-1 + (T(23))) + 456) &&= (T(7) + T((-8 + T(9)))) \\
&:= ((T((T(9) - 8)) + 7) + T(6)) &&= (((5+4)^3) + (2 \times 1)) \\
&&&= -(((5 - T(43)) + 210)) \\
&:= ((9 \times T(8)) + ((T(T(7)) + 6) - 5)) &&= (T(4) + (T((T(3)^2)) + T(10))) \\
&:= (T((T(9) - 8)) + T(7)) &&= -(((T(9) - 8) + T(7)) \times 1) \\
&&&= (T((T(6) + (T(5)))) - ((-T(4) - T(3^2)) - 10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{732} &:= (12 \times (T(3) + T(T(4)))) &&= ((5 \times 6) + (78 \times 9)) \\
&:= -((12 - (T(3) \times (4 + T(T(5)))))) &&= (T(6) + (T((T(7) + 8)) + T(9))) \\
&:= ((9 \times (-8 - 76)) + T(T(5))) &&= (-((T(T(4)) + T(3)) \times (-2 - 10))) \\
&:= ((T(9) + T((8 + T(7)))) + T(6)) &&= -(((T(9) + T(7)) - (2 + 1)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{733} &:= (((1+2)^{T(3)}) + 4) &&= -((56 - 789)) \\
&:= ((T(T(T(1+2))) \times 3) + (T(T(4)) - T(5))) &&= (-((6 - T(7))) + (T(T(8)) + T(9))) \\
&:= -((9 - (T(T(8)) + 76))) &&= (-((T(5) - T(T(4)))) + (3 \times (T(21)))) \\
&:= ((9 + (T(T(8)) + T(7))) - (-6 \times 5)) &&= (4 + (3^{T(2+1)}))
\end{aligned}$$

$$\begin{aligned}
\mathbf{735} &:= ((1 + ((2 \times (T(3) \times 4)))) \times T(5)) &&= (T(T(6)) + ((7 \times 8) \times 9)) \\
&:= (T(((9 + T(8)) - 7) - 6)) &&= (5 \times ((4 + 3) \times 21)) \\
&&&= ((T(5) \times T(T(4))) + ((3^2) \times (-10)))
\end{aligned}$$

$$\begin{aligned}
736 &:= ((T((12 \times 3)) + T(T(4))) + (T(5))) = (6 - (-T(T(7))) - (T(8) \times 9)) \\
&:= ((-T(9)) - (8 - 7)) \times (-T(6) + 5) = (T(43) - 210) \\
&:= ((9 \times T(8)) + (T(T(7)) + 6)) = (-5 + T((-((4 - T(T(3)))) + 21))) \\
&= ((T(T(5)) - T((4 + 3))) \times (-2 + 10))
\end{aligned}$$

$$\begin{aligned}
737 &:= ((1 + T(T((2^3)))) + (T(T(4)) + T(5))) = ((T((6 + 7)) \times 8) + 9) \\
&:= (9 + (8 \times T((7 + 6)))) = (T(5 \times 4) - (-T(32)) + 1) \\
&= (((5 + 4)^3) - (2 - 10))
\end{aligned}$$

$$738 := (((1 + 2)^{T(3)}) - (-4 - 5)) = (6 \times (78 + T(9)))$$

$$\begin{aligned}
739 &:= (((1 + 2)^{T(3)}) + T(4)) = (56 - ((T(7) - T(T(8))) - T(9))) \\
&:= ((1 - (2 \times T(T(3)))) + T((45 - 6))) = (T(7) + (T(T(8)) + T(9))) \\
&:= (-T(12)) + (-3 + T((T(T(4)) - T(5)))) = (((T(6) + 7) + (T(T(8)))) + T(9)) \\
&:= (-T(9)) - ((8) \times ((7 - (T(6) \times 5)))) = (T(4) + (3^{T(2+1)})) \\
&:= (T(9) + (T(T(8)) + T(7))) = ((-6 \times (5 - (4 \times 32))) + 1) \\
&= (((-6 \times (-T(T(5)))) - (-T(4) + 3)) + (2 + (10))) \\
&:= ((T(9) + T(T(8))) + (7 + T(6))) = (-((-T(5 \times 4)) - T(32))) + 1) \\
&= (((5 + 4) \times 3)^2) + 10)
\end{aligned}$$

$$\begin{aligned}
740 &:= (-1 + T(((2 \times T(T(3))) - 4))) = (5 \times ((67 + T(8)) + T(9))) \\
&:= (((9 \times 8) + 76) \times 5) = (T(-((4 - (T(T(3)) \times 2)))) - 1) \\
&= (T(4) \times (T(T(3)) - (2 - T(10))))
\end{aligned}$$

$$\begin{aligned}
741 &:= T(((1 \times (2 \times T(T(3)))) - 4)) = (((56 + T(7)) + T(T(8))) - 9) \\
&:= T((1 - (2 - (34 + 5)))) = -(((T(6) \times (-T(7))) - T((8 + 9)))) \\
&:= (12 + (3^{T(4+5-6)})) = T((-7 + (T(8) + 9))) \\
&:= T((9 + (T(8) - 7))) = (6 + ((5 \times (4 + 3)) \times 21)) \\
&:= T(((T(9) - 8) + (7 - 6))) = T(((5 + (4 \times 3)) + 21)) \\
&= (5 + (T(43) - 210)) \\
&:= -((-987) + (T(T(6)) + T(5))) = T(((T((4 \times 3))/2) - 1)) \\
&= ((T(4) + 3) \times (2 + T(10)))
\end{aligned}$$

$$\begin{aligned}
742 &:= (1 + T(((2 \times T(T(3))) - 4))) = (T((5 + (T(T(6))/7))) - (8 - 9)) \\
&:= (-T(12)) + (T((T(T(3)) + (4 + (T(5)))))) = (67 + (T(T(8)) + 9)) \\
&:= ((9 - (-8 \times T((7 + 6)))) + 5) = (T(-((4 - (T(T(3)) \times 2)))) + 1) \\
&:= -(((T(9) + 8) \times (7 - T(6)))) = (T(-((5 - 43))) + ((2 - 1))) \\
&= (T((T(5) - (-4 - T(T(3)))) - (T((2 + 10))))
\end{aligned}$$

$$\begin{aligned}
744 &:= (T(12) + T((T(3)^{T(4)/5}))) = ((T(T(6))/7) + (T(T(8)) + T(9))) \\
&:= ((9 \times (87 - 6)) + T(5)) = (T((4 \times 3)) + T(T((-2 + 10)))
\end{aligned}$$

$$\begin{aligned}
745 &:= (1 + ((-2 \times 3) \times (-4 - T(T(5)))) = (-T(6)) + (T(T(7)) + (8 \times T(9))) \\
&:= (T((T(9) - 8)) + (7 \times 6)) = (((T(T(5)) + 4) \times (3 \times 2)) + 1) \\
&= (5 + ((4 - T((T(3) \times 2))) \times (-10)))
\end{aligned}$$

$$\mathbf{746} := ((T(9+8) - (-(T(7)) \times T(6))) + 5) = (-(T(4)) - (-(T(T(3))) \times T(-((2-10))))))$$

$$\begin{aligned} \mathbf{747} &:= (-(-12) - ((T(-(-3)) - (T(T(4)))) \times T(5))) = ((T((6+7)) - 8) \times 9) \\ &:= -((9 \times (8 - T((7+6)))))) &= (54 + (3 \times T(21))) \\ & &= (T(5) + ((-T(T(4))) - T(3)) \times (-2 - (10))) \end{aligned}$$

$$\begin{aligned} \mathbf{748} &:= (((1+2) \times T(T(T(3)))) + T(T(4))) = ((5 \times 6) + ((7 + T(T(8))) + T(9))) \\ &:= (((1+2)^{T(3)} + 4) + T(5)) &= (T((6+T(7))) + (T((8+9)))) \\ &:= (-9 + 8) + 765 &= (T(T(4)) + (3 \times T(21))) \\ &:= (T(9+8) + T((T(7)+6))) &= (T(5) + ((4 + (3^{T(2+1)})))) \end{aligned}$$

$$\mathbf{749} := (((1+2)^{T(3)} + (4 \times 5)) = -((-T(T(6))) + (7 \times (-T(T(8))/9))))$$

$$\begin{aligned} \mathbf{750} &:= ((T(12) - 3) \times T(4)) &= -(((T(5) - (6 \times T((7+8)))) - T(9))) \\ &:= ((12+3) \times (T(4) \times 5)) &= (T((6 \times 7)) - T((8+9))) \\ &:= ((T(9+8) - T(7)) \times 6) &= (((5+4)^3) + 21) \\ &:= ((T(9) + (-8 + (7+6))) \times T(5)) = ((4 \times T(T(3))) + T(T(-((2-10)))))) \end{aligned}$$

$$\begin{aligned} \mathbf{751} &:= (T((-1 + (2 \times T(T(3)))))) + (T(-(-4) - (T(T(5)))))) = ((T(6) + T(T(7))) + (T(8) \times 9)) \\ &:= ((9 + T(T(8))) + 76) &= (((T(5) \times T(4)) \times (3+2)) + 1) \\ &:= ((98 \times 7) + 65) &= (T((-4 + (T(T(3)) \times 2))) + 10) \end{aligned}$$

$$\begin{aligned} \mathbf{752} &:= -1 + T(2 \times T(T(3))) - T(4) \times T(5) = -(((T(6) - (T(7))) - T(-((8 - T(9)))))) \\ &:= ((98 \times 7) + T((6+5))) &= -((4 - (T(T(3)) \times T(-((2-10)))))) \\ &:= (T((T(9) - 8)) + (T(7) + T(6))) &= ((-T(5)) \times T(4)) + (T((T(T(3)) \times 2)) - 1) \\ & &= ((-5 + T((T(4) + 3))) + T(T(-((2-10)))))) \end{aligned}$$

$$\begin{aligned} \mathbf{753} &:= (T((1 + T((2^3)))) + (T(4) \times 5)) = ((6 \times 7) + (T(T(8)) + T(9))) \\ &:= T(9) + T(T(8)) + 7 \times 6 &= T(5) \times 4 + 3 \times T(21) \\ & &= (543 + 210) \end{aligned}$$

$$\begin{aligned} \mathbf{756} &:= ((1 - T((-2 + T(T(3)))))) \times (-4) = ((-T(5)) + (T(6) + 78)) \times 9) \\ &:= (12 \times (3 + (4 \times T(5)))) &= ((6 + 78) \times 9) \\ &:= (12 \times ((3+4) + 56)) &= (T(7) \times (T(8) - 9)) \\ &:= -((9 - T(8)) \times T(7)) &= ((65 \times 4) + T((32 - 1))) \\ &:= ((9 - 8) + (765 - T(4))) &= (T(T(3)) \times T(-((2-10)))) \\ &:= (9 \times (8 + 76)) &= (54 \times (T((3+2)) - 1)) \\ & &= (54 \times (T(3) - (2 - 10))) \\ &:= (987 - T((6 + T(5)))) &= (4 \times (T((T(T(3)) - 2)) - 1)) \\ & &= (-4 \times (T(T(3)) - 210)) \end{aligned}$$

$$\mathbf{757} := (((9 \times 87) - T(6)) - 5) = -(((T(T((4+3))) \times (-2)) + (T(10))))$$

$$\begin{aligned} \mathbf{758} &:= (T((1 + T((2^3)))) + T(T(4))) &= (56 + (78 \times 9)) \\ &:= (((9 - 8) + T(T(7))) + T((T(6) + 5))) = (T(T(4)) + T(((T(3))^2) + 1)) \end{aligned}$$



$$\begin{aligned}
\mathbf{759} &:= (-1 + (T((-2 + T(T(3)))) \times 4)) = ((5 + 6) \times (78 - 9)) \\
&:= ((1 + 2) \times T(((3 + 4) + T(5)))) = (T(T(6)) + T((T(7) - (-T(8)/9)))) \\
&:= (T(((T(9) - 8) + 7) - T(T(6)))) = (T(((5 \times T(4)) - T(3))) - T(21)) \\
&:= ((9 \times T(8)) + T(((T(7) + 6) - 5))) = ((4 \times T((T(T(3)) - 2))) - 1) \\
\mathbf{760} &:= (T((-1 \times (2 - T(T(3)))) \times 4) = (56 + (-7 + (T(T(8)) + (T(9)))))) \\
&:= ((-1 \times 2) \times ((-T(T(3))) - T(T(4))) \times 5) = (-6 + (T(T(7)) + (8 \times T(9)))) \\
&:= ((T(9) \times 8) + (T(T(7)) - 6)) = (T((T(5) + 4) \times (3 + (2 - 1)))) \\
&= ((5 - 43) \times (2 \times (-10))) \\
&:= (T(9) - ((-T((8 + 7))) \times 6) + 5) = ((4 \times T((T(T(3)) - 2))) \times 1) \\
&= ((T((4 \times 3)) - 2) \times 10) \\
\mathbf{761} &:= (1 + (T((-2 + T(T(3)))) \times 4) = (5 + ((6 + 78) \times 9)) \\
&:= ((9 \times (8 + 76)) + 5) = ((4 \times T((T(T(3)) - 2))) + 1) \\
\mathbf{762} &:= (-((-1 + (2^{T(3)}))) + (T(T(4)) \times T(5))) = (6 + (T(7) \times (T(8) - 9))) \\
&:= ((9 \times 87) - T(6)) = (T(-((5 - 43))) + 21) \\
&= ((-T(T(5))) \times (-4 - 3)) - (T((2 + 10)))) \\
\mathbf{763} &:= ((T(T(T(1 + 2))) \times 3) - (-T(T(4)) - (T(5)))) = ((-T(6) + T(T(7))) + T((T(8) - 9))) \\
&:= ((T(-((9 - T(8)))) + (T(T(7)))) - (T(6))) = ((T(5) \times 4) + T(((T(3))^2 + 1))) \\
\mathbf{764} &:= ((1 + T((-2 + T(T(3)))) \times 4) = ((T(T(5)) \times 6) + (7 - (8 - T(9)))) \\
&:= (-((9 - 8)) + 765) = (4 \times (T((T(T(3)) - 2)) + 1)) \\
\mathbf{765} &:= ((T(T((12/3))) - 4) \times T(5)) = ((6 \times T((7 + 8))) + T(9)) \\
&:= ((9 - 8) \times 765) = -((T(T(4)) - T(((T(3) - 2) \times 10)))) \\
&:= (9 + ((8 + T(7)) \times T(6))) = (((T(T(5)) + 4) \times T(3)) + 21) \\
&= (T(5) \times ((43 - 2) + 10)) \\
\mathbf{766} &:= ((1 + (T((2 \times T(3))) \times T(4))) - (T(5))) = (T((T(6) + 7)) - (-8 \times T(9))) \\
&:= ((12 + 34) + (T(T(5)) \times 6)) = (T(T(7)) + (8 \times T(9))) \\
&:= (9 - (8 - 765)) = (T(4) + (T(T(3)) \times T(-((2 - 10)))))) \\
&:= ((T(9) \times 8) + T(T(7))) = ((T(6) \times 5) + ((-T(T(4))) \times (-T(3)) \times 2) + 1) \\
&= (((6 + T(5)) \times (4 + 32)) + 10) \\
&:= ((9 + T(T(8))) + T((7 + 6))) = ((-T(5) + T((T((4 \times 3))/2))) + 1) \\
&= (((T(5) \times T(T(4))) - (T(3))) + 2) - T(10)) \\
\mathbf{768} &:= (-12 + T((34 + 5))) = -((T(6) - 789)) \\
&:= -(((9 \times 8) - ((T(7) \times 6) \times 5))) = ((4^3) \times (2 + 10)) \\
&:= ((-T(9) + T(T(8))) + (7 \times T(6))) = T(T(5)) - T(T(4)) + T(T(T(3) + 2) + 1) \\
&= ((-5 - T((T(4) + 3))) \times (2 - 10)) \\
\mathbf{770} &:= ((-1 + T((2 \times T(3)))) \times T(4)) = (((5 + 6) \times 7) \times (T((T(8)/9)))) \\
&:= ((1 - (2^3)) \times (T(4) - T(T(5)))) = -((-67) - T(-((8 - T(9)))))) \\
&:= ((98 - T(7)) \times (6 + 5)) = (T(4) \times (T((T(3) \times 2)) - 1)) \\
&= ((4 + 3) \times (2 \times T(10)))
\end{aligned}$$

$$771 := (T((1 + (2 \times T(T(3)))))) + (-T(T(4)) - T(T(5))) = (T(((T(6)/7) + T(8))) - 9)$$

$$\begin{aligned} 772 &:= -1 + T(2 \times T(T(3))) - T(4) - T(T(5)) = 6 + T(T(7)) + 8 \times T(9) \\ &:= T(9) \times 8 + T(T(7)) + 6 &= -T(T(5)) - T(4) + T(T(T(3)) \times 2) - 1 \\ & &= T(T(5)) - 4 + T(T(3)^2) - 10 \end{aligned}$$

$$\begin{aligned} 773 &:= (T((1 + T((2^3)))) + (T(T(4)) + T(5))) = ((T((6 + 7)) \times 8) + T(9)) \\ &:= (T(9) + (8 \times T((7 + 6)))) &= ((T(5) + T(T(4))) + T((T(-((-T(3)) - 2))) + 1))) \\ & &= (-T(T(5))) - (-T((T(4) + 32))) + 10) \end{aligned}$$

$$\begin{aligned} 774 &:= (((1 + 2)^{T(3)}) + 45) = (6 \times (T((7 + 8)) + 9)) \\ &:= ((9 + T((8 + 7))) \times 6) = (543 + T(21)) \\ &:= (9 \times (87 - (6 - 5))) = ((T((4 + 3))^2) - 10) \end{aligned}$$

$$775 := -((T(9) - T(-((T(8) - 76)))))) = ((T(5) + T(4)) \times (32 - 1))$$

$$776 := ((-9 + (T(T(8)))) - ((7 - 6) - T(T(5)))) = (T(T(4)) + (T((T(3)^2)) + T(10)))$$

$$\begin{aligned} 777 &:= (-1 + 2) + T((34 + 5)) = (T(6) + (T(7) \times ((T(8) - 9)))) \\ &:= ((9 \times 87) - 6) &= ((T(((T(5) \times 4) - T(T(3)))) - 2) - 1) \end{aligned}$$

$$\begin{aligned} 778 &:= ((-1 \times 2) + T((34 + 5))) = ((67 + T(T(8))) + T(9)) \\ &:= (T(-((9 - T(8)))) + (T(T(7)) - 6)) = -(((5 - (T((4 + 3))^2)) + 1)) \end{aligned}$$

$$\begin{aligned} 779 &:= (-1 + (T((2 \times T(3))) \times T(4))) = ((5 \times T((6 + 7))) + (T(8) \times 9)) \\ &:= ((9 \times T(8)) + (7 \times 65)) &= (T((T((4 \times 3))/2)) - 1) \\ &:= (T((T(9) - 8)) + 76) &= ((T(((T(5) \times 4) - T(T(3)))) - 2) + 1) \end{aligned}$$

$$\begin{aligned} 780 &:= (T(12) \times (T(3) + 4)) = (5 \times (67 + 89)) \\ &:= ((12 \times (3 + T(4))) \times 5) = T((6 + (78 - T(9)))) \\ &:= ((98 + T(7)) + 654) = (T((T(3) \times 2)) \times 10) \\ &:= T((-T(9)) + (8 + 76)) = T(((54/3) + 21)) \\ & &= T(((54 - (3 + 2)) - 10)) \\ &:= T(((98 + 7) - T((6 + 5)))) = (T((T((4 \times 3))/2)) \times 1) \\ & &= T(((4 + 3)^2) - 10) \end{aligned}$$

$$\begin{aligned} 781 &:= (1 + (T((2 \times T(3))) \times T(4))) = ((-((T(T(5)) - 6)) \times (-7)) - (8 + 9)) \\ &:= (((9 + T(T(8))) + T((7 + 6))) + T(5)) = (T((T((4 \times 3))/2)) + 1) \end{aligned}$$

$$\begin{aligned} 783 &:= (1 + (2 + T((34 + 5)))) = -((6 - 789)) \\ &:= (9 \times 87) &= ((-6 + (T(-(-5)) \times (4 - T(T(3)))))) \times (-2 - 1)) \\ &:= (9 \times (87 \times (6 - 5))) &= ((T((4 + 3))^2) - 1) \\ &:= (-9 + ((T(8) \times (T(7) - 6)))) = (54 + (3^{T(2+1)})) \\ & &= (T(5) - ((4^3) \times (-2 + 10))) \end{aligned}$$

$$\begin{aligned}
784 &:= (((1+2)^{T(3)} + T(T(4))) &= ((5 \times ((T(6) \times 7) + 8)) + 9) \\
&:= -((1 - ((T((2 \times T(3))) \times T(4)) + 5))) &= (T((T(6) + 7)) + (T((T(8) - 9)))) \\
&:= -((T((12+3)) + ((4 \times (5 - T(T(6)))))) &= (T(T(7)) + T((T(8) - 9))) \\
&:= (T(-((9 - T(8)))) + T(T(7))) &= (T((-T(6)) + (T(5) \times 4)) + (T(3) - ((2 \times 1)))) \\
&:= ((9 \times 87) + (6 - 5)) &= ((T((4+3))^2) \times 1) \\
& &= (4 + (T((T(3) \times 2)) \times 10)) \\
&:= (T((-9 + T(8))) + T((7 + T(6)))) &= (((T(5) - 43)^2) \times 1) \\
& &= ((T(T(5)) + 4) - (-T(3) \times (2 \times T(10))))
\end{aligned}$$

$$785 := (((T(9) + T(8)) + (76)) \times 5) = ((T((4+3))^2) + 1)$$

$$\begin{aligned}
787 &:= (-1 \times (-((T((2 \times T(3)))) + 4)) + T(T(5))) = (T(6) + (T(T(7)) + (8 \times T(9)))) \\
&:= (T(9) + (T(T(8)) + 76)) &= (-((T(T(5)) - 4)) + T((T(T(3)) + (21)))) \\
& &= (-((T(T(5)) - 4)) + T((32 + 10)))
\end{aligned}$$

$$\begin{aligned}
789 &:= ((T(12) + T(T(T(3)))) + (4 \times (T(T(5)))) = (T(((T(6)/7) + T(8))) + 9) \\
&:= (((1+2) + T(3)) + T((45-6))) &= 789 \\
&:= ((9 \times 87) + 6) &= ((5 + (T((4+3))^2)) \times 1)
\end{aligned}$$

$$\begin{aligned}
790 &:= ((1 + T((2 \times T(3)))) \times T(4)) &= (-5 + (6 + 789)) \\
&:= -((-1 \times (T(T((2^3)))) + (-4 - T(T(5)))) &= ((T(T(6)) + T(T(7))) + T((8+9))) \\
&:= (-98) + (T((7 \times 6)) - T(5)) &= (T(4) \times (T((T(3) \times 2)) + 1)) \\
& &= (T((T((4 \times 3))/2)) + 10) \\
&:= (T(-((9 - T(8)))) - (-T(T(7)) - 6)) &= ((5 + (T((4+3))^2)) + 1) \\
& &= -(((5 - (4 - T((T(3) \times 2)))) \times (-10)))
\end{aligned}$$

$$\begin{aligned}
792 &:= (12 \times T((T(T(3)) - T(4))) = ((5 + (T((6+7)) - 8)) \times 9) \\
&:= (12 + T((34+5))) &= (T(T(6)) + T((78 - T(9)))) \\
&:= ((T(9) + 87) \times 6) &= (((T(5) \times T(T(4))) - 32) - 1) \\
&:= (9 \times (87 + (6 - 5))) &= (-T(-((T(4) - (T(T(3)))))) \times (-2 - (10)))
\end{aligned}$$

$$793 := 9 \times 8 + T(T(7)) + T(6) \times T(5) = -T(T(4)) + T(T(T(3)) \times 2) - T(10)$$

$$\begin{aligned}
794 &:= -((( -1 - 2)^{T(3)})) + T(T(4)) - T(T(5))) = (T((6+7)) + T(-((8 - T(9)))) \\
&:= (((9 \times 87) + 6) + 5) &= ((T((4+3))^2) + 10) \\
&:= (T((T(9) - 8)) + T((7+6))) &= ((T(5) + T((T((4 \times 3))/2))) - 1)
\end{aligned}$$

$$\begin{aligned}
795 &:= ((T(12) + (3^4)) \times 5) &= (6 + 789) \\
&:= -((T(9) - (8 \times T(-((7 - T(6)))))) &= ((T(5) + T((T((4 \times 3))/2))) \times 1) \\
& &= ((-T(T(5)))/4) + (T((3+2)) \times (T(10)))
\end{aligned}$$

$$\begin{aligned}
796 &:= (-1 \times ((-T(T((2^3)))) - T(4)) - (T(T(5)))) = (-(((T(T(6)) - T(T(7))) - T(T(8)))) - T(9)) \\
&:= (((-(-9) - (-T(T(8)) - 7)) - 6) + T(T(5))) = (T((-((-T(T(4))) - T(T(3))))/2) + (T(10))) \\
&:= ((-T(9)) + T(T(8))) + (T(T(7)) - T(T(6))) = ((T(5) + T((T((4 \times 3))/2))) + 1) \\
& &= ((5^4) - (-3 \times (2 + T(10))))
\end{aligned}$$

$$\begin{aligned} \mathbf{798} &:= (-((-1 + (-2 \times T(T((3+4)))))) - T(-(-5))) = (T(6) \times ((-7 + T(8)) + 9)) \\ &:= (((9 + T(8)) - 7) \times T(6)) = ((5 - 43) \times (-21)) \end{aligned}$$

$$\mathbf{800} := (((98 \times 7) - 6) + T(T(5))) = ((T((4 \times 3)) + 2) \times 10)$$

$$\begin{aligned} \mathbf{801} &:= ((-1 + 2) - (T(T(3)))) + (T(T(4)) \times T(5)) = ((T(6) \times (T(7) + 8)) + T(9)) \\ &:= (9 + (T(8) \times (T(7) - 6))) = ((T(T(5)) \times 4) + 321) \\ &= ((5^4) + (T(T(3 \times 2)) - T(10))) \end{aligned}$$

$$\begin{aligned} \mathbf{802} &:= ((1 \times 2) \times ((T(T((3+4))) - 5))) = (T((6+7)) + (T(T(8)) + T(9))) \\ &:= (T(9) - (8 - 765)) = ((T(T((4+3))) \times 2) - (10)) \\ &:= ((T(9) + T(T(8))) + T((7+6))) = ((T(5) \times T(T(4))) - (T(T(3)) + ((2 \times 1)))) \\ &= ((T(5) \times T(T(4))) - (3 + (2 \times 10))) \end{aligned}$$

$$\begin{aligned} \mathbf{804} &:= ((-1 \times T((2 \times 3))) - (T(T(4)) \times (-T(5)))) = ((T(6) \times 7) + (T(T(8)) - 9)) \\ &:= ((9 \times 87) + T(6)) = (((5 \times T(T(4))) \times 3) - (21)) \\ &= (((T(5) + T(T(4))) - 3) \times (2 + 10)) \end{aligned}$$

$$\begin{aligned} \mathbf{805} &:= ((1 - (2 \times (3^4))) \times (-5)) = (T(6) + (T(T(7)) + T((T(8) - 9)))) \\ &:= (((9 \times (8+7)) \times 6) - 5) = (T((T(T(4)) - T(T(3)))) + (210)) \\ &:= -((98 - T((7 \times 6)))) = ((-T(T(5))) + T(43)) - 21 \\ &= (-5 \times ((T(T(4)) - (T(3))) - 210)) \end{aligned}$$

$$\begin{aligned} \mathbf{806} &:= (T((-1 + (2 \times T(T(3)))))) - T(T(4)) = ((5 - ((6 - T(7)) \times T(8))) + 9) \\ &:= ((T(9) - ((-8 - T(7)) \times T(6))) + 5) = (-T(T(4)) + T(((T(T(3)) \times 2) - 1))) \end{aligned}$$

$$\begin{aligned} \mathbf{807} &:= (((1 \times 2) \times T(T((3+4)))) - 5) = (T(T(6)) + (-((T(7) + T(8)) \times (-9))) \\ &:= ((9 \times (((T(8) + T(7)))) + T(T(6))) = (((T(5) \times T(T(4))) + 3) - (21)) \end{aligned}$$

$$\begin{aligned} \mathbf{808} &:= (1 - (-((2 \times T(T((3+4)))) + 5)) = (T((T(6) - 7)) + (T(-((8 - T(9)))))) \\ &:= (T((T(9) - 8)) + T(-((7 - T(6)))) = (-T(T(5)) + (-(-4) \times (T(T(3 \times 2)) + 1))) \\ &= ((T(-((-5 \times 4) - T(T(3)))) + 2) - (T(10))) \end{aligned}$$

$$\begin{aligned} \mathbf{810} &:= ((T(12) + 3) \times T(4)) = ((T(5) + 6) + 789) \\ &:= ((12 + T(3)) \times 45) = (T(6) + 789) \\ &:= ((9 + T(8)) + 765) = (T(4) \times (3 + T((2 + 10)))) \\ &:= ((9 \times (8 + 7)) \times 6) = (T((5 + 4)) \times (-3 + 21)) \\ &= (((54 \times 3)/2) \times 10) \end{aligned}$$

$$\begin{aligned} \mathbf{811} &:= (-1 + (2 \times T(T((3+4)))) = ((T((T(5) - (6 - 7))) + T(T(8))) + 9) \\ &:= (-9 + (((T(T(8)) + T(7)) + 6) + T(T(5)))) = ((T(T((4+3))) \times 2) - 1) \\ &:= (-9 + T(-((T(8) - 76)))) = (T(-((T(5) - T(T(4)))) - (3 \times (2 + 1)))) \\ &= (((T(5) \times T(T(4))) + (T(3))) - (2 \times 10)) \end{aligned}$$

$$\begin{aligned} \mathbf{812} &:= ((1 \times 2) \times T(T((3+4)))) = (56 + (T(7) \times (T(8) - 9))) \\ &:= (1 \times (2 \times T(T((3 \times 4) - 5)))) = -((-((T(T(6)) - T(7))) \times (T(8)/9))) \\ &:= -(((98 \times (-7)) - (6 + T(T(5)))) = (T(T((4+3))) \times (2 \times 1)) \end{aligned}$$

$$\begin{aligned} \mathbf{813} &:= (1 + (2 \times T(T((3 + 4)))))) = ((5 + 6) \times 78) - T(9) \\ &:= ((9 \times 87) + (6 \times 5)) = ((T(T((4 + 3))) \times 2) + 1) \end{aligned}$$

$$\begin{aligned} \mathbf{814} &:= (-1 - ((-2 + (3 \times T(T(4)))) \times (-5))) = (T((6 \times 7)) - 89) \\ &:= (((9 + T(T(8))) + T(7)) - ((-T(T(6))) + T(T(5)))) = ((4 \times T(T(T(3)))) + (-2 \times T(10))) \\ &:= ((T(9) - 8) \times (T(7) - 6)) = ((-5 + T((4 + (T(3)^2)))) - 1) \\ &= -(((T(T(5)) - T(43)) + 2) + 10) \end{aligned}$$

$$\mathbf{815} := ((T(9) \times 8) + ((7 \times 65))) = ((T(T(4)) \times T((3 + 2))) - (10))$$

$$\begin{aligned} \mathbf{816} &:= (T(1 + 2) \times T((T(3) + T(4)))) = (T(T(5)) - (6 - (78 \times 9))) \\ &:= (T((12 \times 3)) + (T(4) \times T(5))) = (T(((T(6) + T(7)) - 8)) - T(9)) \\ &:= (-((T(9) - 876)) - T(5)) = (T((T(4) + T(3))) \times T((2 + 1))) \\ &= (-4 \times (T(3) - 210)) \\ &:= (T((T(9) - (T(8) - 7))) \times 6) = ((-5 + T((4 + (T(3)^2)))) + 1) \\ &= (T(T(5)) - (-((T(T(4)) + 3)) \times (2 + 10))) \end{aligned}$$

$$\begin{aligned} \mathbf{819} &:= -((1 - T((T((2^3)) + 4))) = ((5 \times 6) + 789) \\ &:= (T(T(1 + 2)) \times (34 + 5)) = -((T((6 + 7)) \times (T(8) - T(9)))) \\ &:= ((T(9) - T(8)) \times T((7 + 6))) = ((5 \times (T(T(4)) \times 3)) - T((2 + 1))) \\ &:= -((9 \times ((-8 + 7) - (6 \times T(5)))) = (T((4 + (T(3)^2))) - 1) \\ &= (T(-((4 - T(T(3)))) + (T(T(-((2 - 10)))))) \end{aligned}$$

$$\begin{aligned} \mathbf{820} &:= T(((12 \times 3) + 4)) = T(-((56 - 7)) + 89) \\ &:= T((1 - ((2 \times 3) - 45))) = T(((67 - T(8)) + 9)) \\ &:= T((98 + (7 - 65))) = T((43 - (2 + 1))) \\ &:= (-T(9) - (-876) + (T(5) - 4)) = T(((T(3) - 2) \times 10)) \\ &:= T(((T(9) + 8) - 7) - 6) = T(((5 + 4) + (32 - 1))) \\ &= T((5 + ((43 + 2) - 10))) \end{aligned}$$

$$\begin{aligned} \mathbf{821} &:= (1 + T((T((2^3)) + 4))) = (((T(5) \times 6) + 7) \times 8) + T(9) \\ &:= (T(9) - ((-8 \times 7) - (6 \times T(T(5)))) = (T((4 + (T(3)^2))) + 1) \\ &= (-4 + (T((3 + 2)) \times T(10))) \end{aligned}$$

$$\begin{aligned} \mathbf{822} &:= ((1 \times 2) \times (T(T((3 + 4))) + 5)) = ((T(6) \times 7) + (T(T(8)) + 9)) \\ &:= ((9 + T(T(8))) + (7 \times T(6))) = ((5 \times (T(T(4)) \times 3)) - (2 + 1)) \\ &:= ((T(9) \times 8) + (7 \times T((6 + 5)))) = ((T(T((4 + 3))) \times 2) + (10)) \end{aligned}$$

$$\begin{aligned} \mathbf{824} &:= -1 + T(2 + 3) \times T(T(4)) = 5 \times T(6) \times 7 + 89 \\ &:= -1^{23} + T(T(4)) \times T(5) = T(T(6)) - T(7) + T(T(8)) - T(9) \\ &:= -T(9) + T(T(8)) - T(7) + T(T(6)) = 5 \times T(T(4)) \times 3 - 2 + 1 \\ &:= T(9) + T(T(8)) - T(7) + T(6) + T(T(5)) = T(T(4)) \times T(3 + 2) - 1 \\ &= 4 + T((T(3) - 2) \times 10) \end{aligned}$$

$$\begin{aligned}
825 &:= ((12 + 3) \times T(T(4))) &&= -((T(5) \times (6 + (T(7) - 89)))) \\
&:= (((1^2)^3) \times (T(T(4)) \times T(5))) &&= ((6 \times T(7)) + (T(T(8)) - 9)) \\
&:= (-9 + (T(T(8)) - (-T(7) \times 6))) &&= (5 + T((43 - (2 + 1)))) \\
&:= (9 + (876 - (T(5) \times 4))) &&= (T((3 + 2)) \times T(10)) \\
&:= (((9 \times (8 + 7)) \times 6) + T(5)) &&= (-T(T(4)) \times (T(3) - 21)) \\
&&&= (T(T(4)) \times ((3 + 2) + 10))
\end{aligned}$$

$$\begin{aligned}
826 &:= (T(T(T(1 + 2))) + T(34)) &&= ((-5 + T((6 \times 7))) - (8 \times 9)) \\
&:= (((1^2)^3) + (T(T(4)) \times T(5))) &&= -((-T(T(6))) - T((7 + (T(8) - 9)))) \\
&:= (T(-((9 - (T(8) + 7)))) + T(T(6))) &&= (((5 \times (T(T(4)) \times 3)) + 2) - 1) \\
&:= (-T(9) + (876 - 5)) &&= ((T(T(4)) \times T((3 + 2))) + 1)
\end{aligned}$$

$$828 := ((-9 + (T(T(8)))) + T((7 + (6 + 5)))) = -((4 \times (3 - 210)))$$

$$\begin{aligned}
829 &:= ((-1 - (-2 - 3)) - (T(T(4)) \times (-T(5)))) &&= (T((6 \times 7)) - (T(T(8))/9)) \\
&:= (9 + T(-((T(8) - 76)))) &&= ((5 + (T(T(4)) \times T((3 + 2)))) - 1) \\
&&&= ((5^4) - (T(3) - 210)) \\
&:= (T(9) + (-8 \times (7 - (T(6) \times 5)))) &&= (4 + (T((3 + 2)) \times T(10)))
\end{aligned}$$

$$830 := ((T(9 + 8) + (7 + 6)) \times 5) = (T(4) + T(((T(3) - 2) \times 10)))$$

$$\begin{aligned}
831 &:= (T(1 + 2) + ((3 \times T(T(4))) \times 5)) &&= (T((6 \times 7)) - (8 \times 9)) \\
&:= -((9 + ((-T(8) + T(7)) \times (T(6) \times 5)))) &&= ((-T(T(4)) \times (-3)) + T(T(-((2 - 10)))))) \\
&:= -((T(9) - 876)) &&= ((5 + (T(T(4)) \times T((3 + 2)))) + 1) \\
&&&= (((-5 - (4 \times (T(3))))^2) - 10)
\end{aligned}$$

$$\begin{aligned}
832 &:= (1 - ((-2 \times 3) - (T(T(4)) \times T(5)))) &&= -((((T(T(6)) - T(T(7))) - T(T(8))) + 9)) \\
&:= -(((9 - T(T(8))) + (-T(T(7))) + T(T(6)))) &&= ((T(5) \times T(T(4))) - (-T(T(3))/(2 + 1))) \\
&&&= ((5^4) - (3 - 210))
\end{aligned}$$

$$\begin{aligned}
833 &:= (1 \times (T((2 \times T(T(3)))) - (T(T(4)) + T(5)))) &&= ((T(6) + T(7)) \times (8 + 9)) \\
&:= (((9) + 8) \times ((T(7) + T(6)))) &&= (T((-T(5) + T(T(4)))) - ((-T(3)) \times 2) - 1)
\end{aligned}$$

$$835 := ((-((9 - 8)) + (T(7) \times 6)) \times 5) = (T(4) + (T((3 + 2)) \times T(10)))$$

$$836 := (-T(9) + (876 + 5)) = (T(43) - (2 \times T(10)))$$

$$\begin{aligned}
837 &:= ((-1 - 2) + ((3 + 4) \times T(T(5)))) &&= (((-6 + T(7)) \times T(8)) + (T(9))) \\
&:= (9 \times (87 + 6)) &&= (((T(5) \times T(T(4))) + (T(3) \times 2)) \times 1) \\
&&&= (T((54/3)) + T(T((-2 + (10))))))
\end{aligned}$$

$$838 := T(9) + T(T(8)) + T(7) - T(6) + T(T(5)) = -T(4) + T(T(T(3)) \times 2) - T(10);$$

$$839 := (((-T(9)) + T(T(8))) - T(7)) + (-(-T(T(6)))) - (-T(5))) = (((T((4 + 3)))^2) + (T(10)))$$

$$\begin{aligned}
840 &:= ((T(12) + T(3)) \times T(4)) &&= ((5 \times (6 \times T(7))) \times (-8 + 9)) \\
&:= ((98 - (7 \times 6)) \times T(5)) &&= (4 \times T((T(3 \times 2) - 1))) \\
&&&= (4 \times (T(3 \times 2) \times 10))
\end{aligned}$$

$$842 := ((9 \times (87 + 6)) + 5) = ((-T(T(4))) + (T(T(T(3)))) + T(T((-2 + 10))))$$

$$\begin{aligned} 843 &:= ((1 + 2) - ((3 - T(4)) \times T(T(5)))) = ((6 \times T(7)) - (-T(T(8))) - 9) \\ &:= ((9 + T(T(8))) + (T(7) \times 6)) = (((T(5) \times T(T(4))) - (-T(T(3))) + 2) - 1) \\ &= (((T(5) \times T(T(4))) + (T(3))) + 2) + 10 \end{aligned}$$

$$844 := -T(9) + T(T(8)) + 7 + T(T(6)) - T(5) = -4 + T(T(T(3)) \times 2) - T(10)$$

$$\begin{aligned} 845 &:= ((T(12) + T((3 + T(4)))) \times 5) = (((T(T(6)) - 7) + T(T(8))) - (T(9))) \\ &:= (((-T(9)) + T(T(8))) - 7) + T(T(6))) = (5 \times ((T(4) + 3)^2 \times 1)) \\ &:= (((9 - 8) + (T(7) \times 6)) \times 5) = (((-T(4) \times 3)^2) - (T(10))) \end{aligned}$$

$$\begin{aligned} 846 &:= -((T(12) - (T(T(T(3))) \times 4))) = -(((5 - (T(6) + 78)) \times 9)) \\ &:= (-((T(9) - 876)) + T(5)) = ((4 \times T(T(T(3)))) - (T((2 + 10)))) \end{aligned}$$

$$\begin{aligned} 847 &:= ((-1 + T((2 \times T(T(3)))) - T(T(4))) = ((-5 + T(T(6))) - (-T((T(7) + 8))) + T(9))) \\ &:= (-((9 - T(T(8)))) + T((-7 + T(6) + 5))) = (-T(T(4))) + (T((T(T(3)) \times 2) - 1)) \end{aligned}$$

$$\begin{aligned} 848 &:= (T((1 \times (2 \times T(T(3)))) - T(T(4))) = (((T(5) - 6) + 7) \times (8 + T(9))) \\ &:= ((1 \times 23) - (T(T(4)) \times (-T(5)))) = (T((6 \times 7)) - T(T((T(8)/9)))) \\ &:= ((9 \times 87) + 65) = -((T(T(4)) - T((T(T(3)) + 21)))) \\ &= ((T(4) + (T(3))) \times (-2 + T(10))) \\ &:= ((T(9) + (T(T(8)))) + (-((7 + 6)) + (-T(5) \times (-T(4)))) = (T((T(T(3)) \times 2) - T(10))) \end{aligned}$$

$$\begin{aligned} 849 &:= (1 + (T((2 \times T(T(3)))) - T(T(4)))) = (((5 + 6) \times 78) - 9) \\ &:= (((-((T(1 + 2)^3)) \times (-4)) - T(5)) = (T((T(6) - 7)) \times 8) + 9) \\ &:= (9 + (8 \times T(-((7 - T(6)))))) = (T((5 + T(4))) + (3^{T(2+1)})) \\ &:= ((9 \times 87) + T((6 + 5))) = -(((T(T(4)) - T((T(T(3)) \times 2))) - 1)) \end{aligned}$$

$$\begin{aligned} 850 &:= (T(T(T(1 + 2))) - T(3) - T(T(4))) \times 5 = (T((6 \times 7)) + (-8 - T(9))) \\ &:= (-T(9) - (8 - T((7 \times 6)))) = (((-(-(5^4)) + T(T(T(3)))) - (T((2 - (-1)))))) \\ &= (-((5 \times T(4))) \times (3 - (2 \times (10)))) \end{aligned}$$

$$\begin{aligned} 851 &:= (T((-1 + (2 \times T(T(3)))) - T(4)) = (T(T(5)) - (-((T(6) + 7)) - T((-8 + T(9)))) \\ &:= -((T(9) - (8 \times (7 \times (T(6) - 5)))) = (-T(4) + T(((T(T(3)) \times 2) - 1))) \\ &= (T((43 - 2)) - 10) \end{aligned}$$

$$\begin{aligned} 852 &:= (-12) \times (-T(T(3))) - (T(4) \times 5) = (T(T(6)) + (T((T(7) + 8)) - (T(9)))) \\ &:= ((-T(9) + T((8 + T(7)))) + T(T(6))) = (T(-((T(5) - T(T(4)))) + (32 \times 1)) \\ &:= -((9 - (876 - T(5)))) = (4 \times (3 + 210)) \end{aligned}$$

$$854 := (-1 - (-((2 - T(T(3)))) \times (-45))) = (T(T(6)) + (7 \times 89))$$

$$\begin{aligned} 857 &:= (T((-1 + (2 \times T(T(3)))) - 4) = (((5 \times (6 \times T(7))) + 8) + 9) \\ &:= ((9 + (8 \times T((7 + 6)))) + T(T(5))) = (-4 + T(((T(T(3)) \times 2) - 1))) \end{aligned}$$

$$\begin{aligned}
858 &:= (T(12) \times (T(T(3)) - T(4))) = ((-5 - T(6)) \times (-78) + T(9)) \\
&:= (T(12) + (T((34 + 5)))) = ((T((6 \times 7)) - T(8)) - 9) \\
&:= -(((9 - 87) \times (6 + 5))) = ((T(T(4)) + T(T(T(3)))) \times (2 + 1)) \\
&= -(((T(4) - (T(T(3)))) \times T((2 + 10)))) \\
&:= ((T(9) + T(T(8))) + (7 \times T(6))) = -((-((5^4)) - ((T(T(T(3))) + 2) \times ((1)))) \\
&= (T((((T(5) \times 4) - (T(T(3)))) + (T((2 + 10))))))
\end{aligned}$$

$$\begin{aligned}
859 &:= (1 - (T((2 \times T(3))) \times (4 - T(5)))) = ((T(T(6)) + (7 + T(T(8)))) - (T(9))) \\
&:= ((-T(9) + T(T(8))) + (7 + T(T(6)))) = (((5^4) + 3) + (T(21))) \\
&= ((-T(T(5))) - (-(-4) \times (-T(T(3 \times 2)))) + T(10))
\end{aligned}$$

$$\begin{aligned}
860 &:= (-((1 - (-2 \times T(T(3)))) \times (4 \times (-5)))) = ((T(T(6)) - T(7)) + (T(T(8)) - 9)) \\
&:= ((-9 + T(T(8))) - (T(7) - T(T(6)))) = (T(((5 + 4) + 32)) - 1) \\
&= ((54 + 32) \times 10) \\
&:= ((-T(9) + (T(T(8)) + (-7 + T(T(6)))) + (T(5))) = (T((43 - 2)) - 1) \\
&= ((43 \times 2) \times 10)
\end{aligned}$$

$$\begin{aligned}
861 &:= T(-((1 - (2 \times T(T(3)))))) = ((456 + T(T(7))) + (8 - 9)) \\
&:= T((T((12 - 3)) - 4)) = -((((5 \times 6) \times ((7 - T(8)))) + 9)) \\
&:= T(((12 + 34) - 5)) = T((((6 \times 7) + 8) - 9)) \\
&:= T(-(((9 - 8) - (7 \times 6)))) = T(((5 + 4) + (32 \times 1))) \\
&:= ((987 - 6) - T(T(5))) = T((43 - (2 \times 1))) \\
&:= (((-T(9) + T((T(8) + 7))) - (T(-(-6) + (T(5)))) - 4) = T(((T(T(3)) \times 2) - 1)) \\
&= T((T(T(3)) + (2 \times 10)))
\end{aligned}$$

$$862 := (-9 + (876 - 5)) = (T((43 - 2)) + 1)$$

$$\begin{aligned}
864 &:= ((T(1 + 2)^3) \times 4) = (-((-5 - T(T(6)))) + (7 + (T(T(8)) - T(9)))) \\
&:= (-((-9 \times 8)) \times ((T(7) - T(6)) - (-5))) = (4 \times (T(3)^{2+1})) \\
&= (4 \times (T(3) + 210))
\end{aligned}$$

$$\begin{aligned}
865 &:= (T((-1 + (2 \times T(T(3)))) + 4) = (((T(T(5)) + 6) \times 7) - (8 + 9)) \\
&:= (9 + (T(T(8)) + T((-7 + T(6)) + 5))) = (4 + T(((T(T(3)) \times 2) - 1))) \\
&:= (T(9) + T(-((T(8) - 76)))) = ((5 + T((43 - 2))) - 1) \\
&= -((((54) \times T((3 + 2))) - T(10)))
\end{aligned}$$

$$\begin{aligned}
866 &:= ((T((-1 - (-2 \times T(T(3)))) + T(4)) - 5) = ((T((6 \times 7)) + 8) - T(9)) \\
&:= (-((T(9) - 8)) + T((7 \times 6))) = (5 - (-T((43 - 2)) \times 1))
\end{aligned}$$

$$\begin{aligned}
867 &:= (-((9 - T(T(8)))) - (7 \times (-6 \times 5))) = (((4 \times T(T(T(3)))) - 2) - T(10)) \\
&:= (-9 + 876) = ((5 + T((43 - 2))) + 1)
\end{aligned}$$

$$868 := (-9 - (-T(T(8))) - ((-(-T((7 + 6)))) + T(T(5)))) = (T(43) - T((2 + 10)))$$

$$869 := (-((T(9) - T(T(8)))) + T((T(7) - 6))) - 5 = (((4 \times (T(T(3 \times 2)))) - (T(10)))$$



$$\begin{aligned}
\mathbf{870} &:= ((1 \times 2) \times T((34 - 5))) &= (T(((T(6) + T(7)) - 8) + 9)) \\
&:= ((98 + 76) \times 5) &= ((T(T(4)) + 32) \times 10) \\
&:= (9 + T((-8 + (T(7) + T(6)))))) &= (-5 \times (-T(T(4))) + (-T(T((3 + 2)))) + 1)) \\
&&= (((T(5) \times T(T(4))) + T((3^2))) + (-1 \times 0)) \\
\mathbf{871} &:= ((1^2) - (-((3 + T(T(4)))) \times T(5))) &= ((6 \times T(7)) + T(-((8 - T(9)))))) \\
&:= (T((T(9) - 8)) - (-T(7) \times 6)) &= -(((T(5) \times T(T(4))) + (-T((3^2))) - 1)) \\
&&= (T(((5 + 4) + 32)) + 10) \\
&:= ((9 + (-T(8)) + (T((7 \times 6)))) - 5) &= (T(4) + T(((T(T(3)) \times 2) - 1))) \\
&&= (T((43 - 2)) + 10) \\
\mathbf{873} &:= (12 + T((T(T(3)) - (-4 \times 5))) &= -(((T((T(6) - 7)) + 8) \times 9)) \\
&:= (-9 \times ((8 - T(-((7 - T(6))))))) &= (((T(5) \times 4) + T(T(T(3)))) \times (2 + 1)) \\
&&= ((5 + T(43)) - (T((2 + 10)))) \\
\mathbf{874} &:= -T(1 + 2) + (T(T(T(3))) - T(T(4))) \times 5 &= T(-6 + T(7)) + T(T(8)) - T(9) \\
&:= -T(9) + T(T(8)) + T(T(7) - 6) &= (T(5) + 4) \times (T(3^2) + 1) \\
&&= T(5) \times T(T(4)) - T(T(3)/2) + T(10) \\
\mathbf{875} &:= (((-T(9 + 8)) - T(7)) + 6) \times (-5) &= ((T((T(4) \times 3)) \times 2) - T(10)) \\
\mathbf{876} &:= ((12 - T(T(T(3)))) \times (-4)) &= -((T(5) - ((T(6) + 78) \times 9))) \\
&:= (T((12 \times 3)) + T(4 \times 5)) &= (T((6 \times 7)) - (T(8) - 9)) \\
&:= ((9 \times (8 + 76)) + (T(T(5)))) &= (4 \times (T(T(T(3))) - (2 + 10))) \\
&:= ((T(9 + 8) - 7) \times 6) &= ((T(5) \times 43) + (T(21))) \\
&&= ((5 + T((43 - 2))) + (10)) \\
\mathbf{877} &:= (((-T(9)) - 8) - ((T(7) \times 6) \times (-5))) &= ((4 \times (T(T(T(3))) + 2)) - (T(10))) \\
\mathbf{878} &:= T(1 + T(2^3)) + T(T(4)) + T(T(5)) &= T(T(6)) - T(7) + T(T(8)) + 9 \\
&:= 9 + T(T(8)) - T(7) + T(T(6)) &= -T(5) - T(4) + T(T(T(3)) \times 2) \times 1 \\
&&= 5^4 + T(32 - 10) \\
\mathbf{879} &:= (((T(1 + 2)^3) \times (-4)) + T(5)) &= (((6 \times T(7)) + (T(T(8)))) + T(9)) \\
&:= (-((T(9) \times (8 - T(7)))) - T(6)) &= (-((T(5) + T(4))) + (T(-((T(T(3)) \times (-2)))) + 1)) \\
\mathbf{880} &:= ((1 + T((2 + 3))) \times T(T(4))) &= (5 \times (-T(T(6))) + (T(T(7)) - (8 - 9))) \\
&:= ((-1 \times (-2^3)) \times (-T(4) + T(T(5)))) &= (T(T(6)) + (T(7) + (T(T(8)) - T(9)))) \\
&:= -((T(9) - (T((T(8) + 7)) - T(6)))) &= (5 \times (4 \times (T((3^2)) - 1))) \\
&&= ((-5 + (T(4) + 3)) \times (2 \times T(10))) \\
&:= (9 + (876 - 5)) &= (T(T(4)) \times (T((3 + 2)) + 1)) \\
&&= (-4 \times ((T(3) - 2) \times (-T(10)))) \\
\mathbf{881} &:= (-(((T(12) + T(T(T(3)))) \times (-4))) + 5) &= ((T(T(6)) - 7) + (T(T(8)) - 9)) \\
&:= (((-9 + T(T(8))) - 7) + T(T(6))) &= (((T(T(5)) - T(4)) \times (T(3) + 2)) + 1) \\
&&= -T(T(5)) + T(T(4)) + T(-T(3) \times 2 + T(10))
\end{aligned}$$

$$882 := ((-T(9)) + 87) \times T(6) = ((T((5+4)) - 3) \times 21)$$

$$883 := (9 - (-((T(T(8)) - (T(7)))) - ((T(T(6)) + 5)))) = ((-T(4)) + T((-T(T(3))) \times (-2))) - (10)$$

$$884 := (((9 - T(8)) - 7) \times (-T(6) - 5)) = (4 \times (T(T(3 \times 2)) - 10))$$

$$\begin{aligned} 885 &:= -((-1 - 2) \times (T((T(3) \times 4) - 5))) = -(((T((T(6) - 7)) \times (-8)) - T(9))) \\ &:= (9 + 876) &= -((T(5) \times (4 - (3 \times 21)))) \\ & &= ((T(5) \times 4) - (T((3+2)) \times (-T(10)))) \end{aligned}$$

$$\begin{aligned} 886 &:= (T((1 + (2 \times T(T(3)))))) - (4 \times T(5)) = (T((6 \times 7)) - (8 + 9)) \\ &:= -(((9 + 8) - T((7 \times 6)))) &= (-(-(T(5) + T(4))) + T((-((T(T(3)) \times (-2))) - 1))) \\ & &= ((T(5) + T((43 - 2))) + (10)) \end{aligned}$$

$$887 := (-9 + (8 \times (7 \times (T(6) - 5)))) = ((-T(4)) + T(T(T(3)))) - (-T(T(-(2 - 10))))$$

$$\begin{aligned} 888 &:= (-12) + ((T(3)) \times ((T(4) \times T(5)))) = (-(-(T(T(6))) - T((T(7) + 8)))) - 9 \\ &:= (-((9 - 8) \times (-T((7 \times 6)))) - T(5)) = ((4 \times T(T(T(3)))) - T(-(2 - 10))) \\ &:= (-((9 - T((8 + T(7)))) + T(T(6))) &= -((T(5) - (43 \times 21))) \\ & &= (T(T(5)) + ((4^3) \times (2 + 10))) \end{aligned}$$

$$889 := (((9 - 8) + (T((7 \times 6)))) - T(5)) = (T(43) - (2 + T(10)))$$

$$890 := (9 + (876 + 5)) = (((T(4) \times 3)^2) - 10)$$

$$\begin{aligned} 891 &:= (T((1 + (2 \times T(T(3)))))) - T(T(4)) &= (567 + (T(8) \times 9)) \\ &:= ((-1 + T((2 \times T(T(3)))))) - (-4 + T(5)) &= ((T(6) + 78) \times 9) \\ &:= (9 \times (8 + T((7 + 6)))) &= ((T(5) \times (T(T(4)) + 3)) + (21)) \\ &:= (9 \times ((8 + 76) + T(5))) &= -((T(T(4)) - T(((T(T(3)) \times 2) + 1)))) \\ & &= (-T(T(4)) + T(((T(3)) \times 2) + T(10))) \end{aligned}$$

$$\begin{aligned} 892 &:= ((-1 + T((2 \times T(T(3)))))) - T(4) &= (T((T(T(5)) / (T(6) / 7))) + 8 \times 9) \\ &:= (T(T((9 - (8 - 7)))) - (-T(T(6)) + 5)) &= -((T(4) - (T((T(T(3)) \times 2) - 1))) \\ & &= (4 \times ((T(T(T(3))) + 2) - 10)) \end{aligned}$$

$$\begin{aligned} 893 &:= (T((1 \times (2 \times T(T(3)))))) - T(4) &= (T((T(5) + ((T(6) + 7)))) + ((-8 - T(9)))) \\ &:= ((1 + T((2 \times T(T(3)))))) - (-4 + T(5)) &= (T((6 \times 7)) - T((T(8) / 9))) \\ &:= -((98 - ((7 \times (T(6) + T(T(5)))) + 4)) &= (T((T(T(3)) \times 2) - 10)) \\ &:= -(((9 - (T((8 + T(7)))))) - (T(T(6)) + 5)) &= (-T(4) + T((T(T(3)) + 21))) \\ & &= ((T(43) + 2) - T(10)) \end{aligned}$$

$$\begin{aligned} 894 &:= ((1 + T((2 \times T(T(3)))))) - T(4) &= ((5 \times T(6)) + 789) \\ &:= ((T(-(1 \times (-2 \times T(T(3)))))) - 4) - 5 &= (T((6 + (T(7) + 8))) - 9) \\ &:= (-((9 + T((8 + 7)))) \times (-6) + T(T(5))) &= (-T(4) - (-T((T(T(3)) \times 2)) - 1)) \\ &:= ((T(9) \times (-8 - T(7))) - 6) &= -(((5 + 4) - (T((T(T(3)) \times 2)))) \times 1 \\ & &= (((5 + T(43)) - 2) - T(10)) \end{aligned}$$

$$\begin{aligned} 895 &:= (((T(12) \times 3) - T(T(4))) \times 5) &= ((T(T(6)) + 7) - (-T(T(8)) + 9)) \\ &:= (-T(9) + ((T((T(8) + 7)) - 6)) &= ((T(5) \times (4 + T(T((T(3) - 2)))))) + (10)) \end{aligned}$$

$$\begin{aligned}
\mathbf{896} &:= (T((1 - (-2 \times T(T(3)))))) + (T(4) \times (-5)) = ((T(T(6)) - 7) \times (T(8)/9)) \\
\mathbf{897} &:= ((T(12) - T(3)) - (T(T(4)) \times (-T(5)))) = (-(-T(T(6))) + T(T((7 - (8 - 9)))) \\
&:= (987 - (6 \times T(5))) = ((4 + T((T(T(3)) \times 2))) - (10)) \\
&:= (((98 \times 7) + T(T(6))) - (5 \times 4)) = (T(T(T(3))) + T(T(-(2 - 10)))) \\
&:= (T((-T(9)) + 87)) - 6 = (T((T((5 + 4)) - 3)) - T((2 + 1))) \\
&= ((-T(5)) + ((4 \times T(T(T(3)))))) - ((2 + (10))) \\
\mathbf{898} &:= ((-1 + T((2 \times T(T(3)))))) - 4 = ((5 + T((6 \times 7))) - T((T(8)/9))) \\
&:= (T((-9 + (T(8)))) + ((T(T(7)) - 6) + T(T(5)))) = -((4 - (T((T(T(3)) \times 2)) - 1))) \\
\mathbf{899} &:= (T((1 \times (2 \times T(T(3)))))) - 4 = (((T(T(5)) + 6) \times 7) + (8 + 9)) \\
&:= (-1 - (-2 \times ((3 \times T(4)) \times T(5)))) = (T((6 \times 7)) - (T(8)/9)) \\
&:= (9 + ((-8 + T((7 \times 6))) - 5)) = (((T(4) \times 3)^2) - 1) \\
&:= (9 + ((T(T(8)) - 7) + T(T(6)))) = ((5 \times (4 \times T((3^2)))) - 1) \\
&= (((T(5) \times T(T(4))) + (T(T(3)))) + (-2 + T(10))) \\
\mathbf{900} &:= ((1 + 2) \times T((T(3) \times 4))) = ((-T(5) \times 6) \times (7 - (8 + 9))) \\
&:= ((12 + 3) \times (4 \times T(5))) = ((T(6) + (7 - 8)) \times T(9)) \\
&:= ((12 + 3) \times (4 + 56)) = ((T(7) - 8) \times T(9)) \\
&:= -((T(9) \times (8 - T(7)))) = (6 \times (T((54/3)) - 21)) \\
&= ((6 + 54) \times ((3 + 2) + 10)) \\
&:= (9 + (876 + T(5))) = (((T(4) \times 3)^2) \times 1) \\
&= ((T(4) \times (3^2)) \times 10) \\
&:= (T(9) \times (T((8 + 7))/6)) = ((T(T(5))/4)^{3-2+1}) \\
&= (-5 \times ((T(4) \times 3) - 210)) \\
\mathbf{901} &:= (1 - (-2 \times ((3 \times T(4)) \times T(5)))) = (T(-(((T(6) - T(7)) - T(8)))) - T(9)) \\
&:= (1 - (2 \times (T(3) - 456))) = (T((7 + T(8))) - T(9)) \\
&:= (-T(9) + T((T(8) + 7))) = (-((6 + T(5)) \times (-43)) - (2 \times 1)) \\
&:= ((-T(9)) \times (8 - T(7))) + (6 - 5) = (((T(4) \times 3)^2) + 1) \\
&:= -((T(9) - T((T(8) + (T(7) - T(6)))))) = ((5 \times (4 \times T((3^2)))) + 1) \\
&= (((5 \times 4) - 3) \times (-2 + T(10))) \\
\mathbf{902} &:= (-1 + T((2 \times T(T(3)))) = ((T(4) - (5 - 6)) \times ((-7 + 89))) \\
&:= (((1) \times 2) - ((T(3) \times T(4)) \times (-T(5)))) = (T((6 \times 7)) + (8 - 9)) \\
&:= (-((9 - 8)) + T((7 \times 6))) = (T((54 - (T(3) \times 2))) - 1) \\
&:= (((98 \times 7) + T(T(6))) - T(5)) = (T((T(4) + 32)) - 1) \\
&:= ((98 \times 7) - (-6 - T(5 \times 4))) = (T((T(T(3)) \times 2)) - 1)
\end{aligned}$$

$$\begin{aligned}
\mathbf{903} &:= (1 \times T((2 \times T(T(3)))) &= (((4 + T(5)) \times 6) + 789) \\
&:= T((12 + (3 \times T(4)))) &= (T(T(5)) - (6 - 789)) \\
&:= ((1^2) \times T(-((3 - 45)))) &= T((6 \times (-7 \times (8 - 9)))) \\
&:= (((9 - T(8)) \times (-T(7) + 6)) - T(5)) &= (43 \times 21) \\
&:= T((-T(9) + 87)) &= (((6 - 5) \times 43) \times 21) \\
& &= -((-T(6)) \times ((5 \times 4) + (3 + (2 \times 10)))) \\
&:= T(((9 - 8) \times (7 \times 6))) &= (T((54 - (T(3) \times 2))) \times 1) \\
& &= -(((5 \times (T(T(4)) \times (-3))) - T((2 + 10)))) \\
&:= -((9 + (8 \times (76 - T((T(5) + 4)))))) &= T((T(T(3)) + 21)) \\
& &= T((32 + 10)) \\
\mathbf{904} &:= (1 + T((2 \times T(T(3)))) &= -((-T(4)) + ((-5 \times T(6)) - (789))) \\
&:= ((1^2) + T(-((3 - 45)))) &= (T((6 \times 7)) - (8 - 9)) \\
&:= -(((9 \times T(8)) - (T((T(7) + 6)) - T(5)))) &= (T((T(4) + 32)) + 1) \\
&:= ((9 + 876) + (T(5) + 4)) &= (T((T(T(3)) \times 2)) + 1) \\
&:= ((9 - 8) + T((7 \times 6))) &= (T((54 - (T(3) \times 2))) + 1) \\
& &= (5 - (4 - T((32 + 10)))) \\
\mathbf{906} &:= (-1 + (T((2 \times T(T(3)))) + 4) &= (T(5) + ((T(6) + 78) \times 9)) \\
&:= ((1 + 2) + T(-((3 - 45)))) &= -((-6 - ((T(7) - 8) \times T(9)))) \\
&:= (T(9) - (-876) + T(5)) &= (4 + (T((T(T(3)) \times 2)) - 1)) \\
&:= ((T(9) \times (8 + 7)) + T(T(6))) &= ((-((T(T(5)) + T(4))) - T(T(3))) \times (-T(-((-2 - 1)))) \\
& &= ((T(5) + T((T(T(4)) + (-T(3) \times 2)))) - T(10)) \\
\mathbf{907} &:= (T((1 \times (2 \times T(T(3)))) + 4) &= (5 - ((-T((6 \times 7))) - 8) + 9)) \\
&:= (-1 \times ((-(-2) + (T(T(T(3))) \times (-4)) + T(-(-5)))) &= (T((6 \times 7)) + (T(8)/9)) \\
&:= ((-T(9)) + T((T(8) + 7))) + 6 &= (-5 + (-4 \times (3 - T(21)))) \\
& &= ((T(5) \times (4^3)) + (2 - T(10))) \\
&:= ((-T(9)) + T((T(8) + 7))) + (T(6) - T(5)) &= (4 + T((T(T(3)) + 21))) \\
& &= (4 + T((32 + 10))) \\
\mathbf{908} &:= ((1 + T((2 \times T(T(3)))) + 4) &= (5 - (T((6 \times 7)) \times (8 - 9))) \\
&:= ((T(9) - 8) - (-T(T(7)) - T((6 \times 5)))) &= ((4 + T((T(T(3)) \times 2))) + 1) \\
\mathbf{909} &:= ((9 \times 87) + (6 + T(T(5)))) &= (-4 + (T((T(T(3)) \times 2)) + (10))) \\
&:= (T((-T(9) + 87)) + 6) &= (T((T((5 + 4)) - 3)) + T((2 + 1))) \\
& &= -T(5) + 4 \times T(T(T(3))) - 21 \times 0 \\
\mathbf{910} &:= (T((T(12)/T(3))) \times T(4) &= ((T(5)) - ((-T(T(6))) - 7) - (T(T(8)) - 9)) \\
&:= ((1 + (2 \times 3)) \times (T(4) + T(T(5)))) &= (T((6 + 7)) \times T((T(8)/9))) \\
&:= ((98/7) \times 65) &= (T(4) \times T(((T(3) \times 2) + 1))) \\
& &= (T((4 + (3^2))) \times 10) \\
&:= (-9 + (T(T(8)) + T((T(7) - 6)))) &= (-T(5) + (T(43) - 21)) \\
& &= ((5 + (43 \times 2)) \times 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{912} &:= (12 \times (T(T(3)) + T(T(4)))) = ((5 + T((6 \times 7))) + (T(8)/9)) \\
&:= (12 \times ((3^4) - 5)) = (T((6 + (T(7) + 8))) + 9) \\
&:= ((9 \times 8) + ((T(7) \times 6) \times 5)) = -((4 \times (3 - T(21)))) \\
&:= (9 + ((T(8) + 7) \times T(6))) = (-((5 + 4) + (T((T(T(3)) \times 2)))) \times (-1)) \\
&= ((T(5) - (-T(T(4)) - T(3))) \times (-(-2) + (10))) \\
\mathbf{913} &:= (T((1 \times (2 \times T(T(3)))))) + T(4) = -T(5) - ((-T(-6 + T(7))) + (-T(T(8)))) - 9) \\
&:= (T((1 + T((2^3)))) + (T(4 \times 5))) = (((T(T(6)) + 7) + (T(T(8)))) + 9) \\
&:= ((9 + T(T(8))) - (-7 - T(T(6)))) = (((5 + 4) + (T((T(T(3)) \times 2)))) + 1) \\
&:= (-((9 - 8) - T((7 \times 6)))) - (-T(5) + 4) = (T((T(T(3)) \times 2)) + 10) \\
&:= (T((T(9) - 8)) + ((7 \times 6) \times 5)) = (T(4) + T((T(T(3)) + 21))) \\
&= (T((T(4) + 32)) + 10) \\
\mathbf{914} &:= (1 \times (T((2 \times T(T(3)))) + (-4 + T(5)))) = (T(T(6)) + (-T(7)) + (T(T(8)) + T(9))) \\
&:= ((1 + T((2 \times T(T(3)))) + T(4)) = (T((T(5) + 6)) + (-T(7)) + (T(T(8)) + T(9))) \\
&:= ((T(9) + T(T(8))) - (T(7) - T(T(6)))) = ((-(-T(5)) + (-4 + T((T(T(3)) \times 2)))) \times 1) \\
&= (T(T(5)) + ((T((4 + 3))^2) + (10))) \\
&:= (-(((-9 \times T(8)) - (T((T(7) + 6)))) - 5) = (T(4) - (-T((T(T(3)) \times 2)) - 1)) \\
&= ((4 \times T(T(3 \times 2))) - (10)) \\
\mathbf{915} &:= (-1 - ((2 - T(T(T(3)))) \times 4)) = ((T(T(5)) + 6) + 789) \\
&:= ((-T(9)) + 8) + (7 \times T((T(6) - 5))) = ((4 \times (T(T(T(3))) - 2)) - 1) \\
\mathbf{916} &:= (-1 \times ((2 - T(T(T(3)))) \times 4)) = (-5 + (T(6) - (-((T(7) - 8)) \times T(9)))) \\
&:= ((-1 - 2) - ((T(T(T(3))) \times (-4)) + 5)) = -(((T(6) - T((7 + T(8)))) + 9)) \\
&:= (-((9 - T((T(8) + 7)))) - T(6)) = (T(5) - (-(((T(4) \times 3)^2) - 1)) \\
&= (T(((5 + 4) + 32)) + T(10)) \\
&:= (T(9) + (876 - 5)) = (4 \times (T(T(T(3))) - (2 \times 1))) \\
&= (T((43 - 2)) + T(10)) \\
\mathbf{917} &:= (1 - ((2 - T(T(T(3)))) \times 4)) = ((5 - (-T(6)) \times T(7)) + (T(8) \times 9)) \\
&:= (-((9 - 8)) - (-T((7 \times 6))) - T(5)) = ((4 \times (T(T(T(3))) - 2)) + 1) \\
&:= ((98 \times 7) + T(T(6))) = (5 - (4 \times (3 - T(21)))) \\
&= (-T(5) - ((-((4 \times T(T(T(3)))) + 2) - (10))) \\
\mathbf{918} &:= (T(1 + 2) \times T((T(T(3)) - 4))) = -(((5 \times (6 - T(7))) + 8) \times 9)) \\
&:= ((1 \times ((2))) \times (-T(T(3)) - (-4 \times T(T(5)))) = ((6 + T(7)) \times (T(8) - 9)) \\
&:= (-((9 - T(8))) \times (T(7) + 6)) = (T(5) + (43 \times 21)) \\
&:= (T(9 + 8) + 765) = ((4 \times T(T(T(3)))) - T((2 + 1))) \\
\mathbf{919} &:= (((1 \times T(T((2 \times 3)))) \times 4) - 5) = (T((6 + T(7))) + (T(8) \times 9)) \\
&:= ((9 \times T(8)) + T((T(7) + 6))) = ((5 - (-T(4)) - (T((T(T(3)) \times 2)))) + 1) \\
&= (-((T(5) - T(43)) - ((2 + 10)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{920} &:= -(((1 - T(T((2 \times 3)))) \times 4)) &&= (5 \times ((T(6) \times 7) - (8 - T(9)))) \\
&:= ((-1 - (-2 + (T(T(T(3))) \times (-4)))) + (-5)) &&= ((T((6 \times 7)) + 8) + 9) \\
&:= (9 + (8 + T((7 \times 6)))) &&= (-5 + (T(43) - 21)) \\
& &&= (((-((5 + T(4))) \times T(3)) - 2) \times (-10)) \\
&:= (-((-9 - T(T(8)))) + ((T(7) + T(6)) \times 5)) &&= (4 \times (T(T(3 \times 2)) - 1)) \\
& &&= (-4 \times ((-T(T(3))) - 2) \times 10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{921} &:= ((-1 - 2) + (T(T(T(3))) \times 4)) = (-T(5) - (-((6 + 7)) \times (8 \times 9))) \\
&:= ((T(12) \times (3 \times 4)) - T(5)) &&= (T(6) + ((T(7) - 8) \times T(9))) \\
&:= (987 - T((6 + 5))) &&= ((4 \times T(T(T(3)))) - (2 + 1)) \\
&:= (T(9) + 876) &&= ((T(T(5)) \times 4) - (T(T(3)) \times (-21))) \\
& &&= ((-(-5) + T(T(4))) + T((T(T(3)) - (-2 \times 10))))
\end{aligned}$$

$$\begin{aligned}
\mathbf{922} &:= (-((1 \times 2) + (T(T(T(3))) \times 4)) &&= (-5 + ((67 + T(8)) \times 9)) \\
&:= (-(((1 \times T((2 \times T(T(3)))) - 4) + T(5)) &&= (T(6) - (-T((7 + T(8)))) + (T(9)))) \\
&:= (-T(9) + (T((T(8) + 7)) + T(6))) &&= ((5 \times 4) + (T((T(T(3)) \times 2)) - 1)) \\
&:= (987 - 65) &&= ((4 \times T(T(T(3)))) - (2 \times 1)) \\
& &&= ((4 \times (T(T(T(3)) + 2)) - 10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{923} &:= (1 - (2 - (T(T(T(3))) \times 4))) &&= (((T(T(5)) + (-6 + 7)) \times ((8))) - (T(9))) \\
&:= (-((T((9 + (T(8) - T(7)))) \times (-6))) + 5) &&= ((4 \times T(T(3 \times 2))) - 1)
\end{aligned}$$

$$\begin{aligned}
\mathbf{924} &:= (T(T(((1 \times 2) \times 3))) \times 4) &&= (-T(5 + 6) + T(((7 - 8) + T(9)))) \\
&:= (-((-1 \times 2) \times (T(T(T(3))) \times (((T(4))/5)))) &&= (-T(6) \times (T(7) - (8 \times 9))) \\
&:= ((T(9) - (8 - 7)) \times T(6)) &&= ((5 - (4 - 3)) \times T(21)) \\
&:= ((98/7) \times T((6 + 5))) &&= ((T(4) - T(3)) \times T(21)) \\
& &&= (4 \times (T(T(3)) + 210))
\end{aligned}$$

$$\begin{aligned}
\mathbf{925} &:= (1 + (T(T((2 \times 3))) \times 4)) &&= ((5 - (-T((6 \times 7))) - 8) + 9) \\
&:= ((9 + 8) - (-T((7 \times 6))) - 5) &&= (T(43) - 21)
\end{aligned}$$

$$\begin{aligned}
\mathbf{926} &:= (1 \times (2 + (T(T(T(3))) \times 4))) = (5 + ((T(6) - (-((T(7) - 8)) \times T(9)))) \\
&:= (T(9) + (876 + 5)) &&= ((4 \times T(T(T(3)))) + (2 \times 1)) \\
& &&= (T(43) - (2 \times 10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{927} &:= (1 + (2 + (T(T(T(3))) \times 4))) &&= (567 + (8 \times T(9))) \\
&:= T(1 + 2 * T(T(3))) - 4 - T(5) &&= ((67 + T(8)) \times 9) \\
&:= (9 \times (87 + (T(6) - 5))) &&= ((4 \times T(T(T(3)))) + (2 + 1)) \\
&:= T(T(9) - 8) - 7 + T(T(6)) &&= T(5) + T(4) + T(T(T(3)) * 2) - 1 \\
& &&= T(5) \times (T(T(4)) + 3) + 2 + T(10)
\end{aligned}$$

$$\begin{aligned}
\mathbf{928} &:= ((1 + T(T((2 \times 3)))) \times 4) &&= T(T(5)) + T(T(6) - 7) + T(-8 + T(9)) \\
&:= ((-1 \times ((2^3))) \times (4 - T(T(5)))) &&= (T(-((6 - T(7)))) + (T(T(8)) + 9)) \\
&:= (-((-9 - (T(T(8)) + T((T(7) - 6)))) &&= (5 + ((4 \times T(T(3 \times 2))) - 1)) \\
&:= ((9 + T(T(8))) + ((7 + T(T(6))) + T(5))) &&= (4 \times (T(T(3 \times 2)) + 1))
\end{aligned}$$

$$\begin{aligned}
\mathbf{929} &:= (-1 + (2 \times T((3 \times T(4)))) &= &(((5 \times 6) \times T(7)) + 89) \\
&:= (-(((9 \times 8) - (T(7))) \times (-T(6)))) + 5 &= &((T((T(4) \times 3)) \times 2) - 1) \\
\mathbf{930} &:= (1 \times (2 \times T((3 \times T(4)))) &= &((T(T(5)) + T(6)) + 789) \\
&:= (-1 \times ((-2 - (T(3) \times T(4))) \times ((T(5)))) &= &(T((6 \times 7)) + (T(8) - 9)) \\
&:= (-9 + (T(8) + T((7 \times 6)))) &= &(5 + (T(43) - 21)) \\
& &= &(- (T(5)) \times (- (T(T(4)) - ((T(3)/2) - (10)))) \\
&:= (((9 + 8) + (T(7) - T(T(6)))) \times (-5)) &= &((T((T(4) \times 3)) \times 2) \times 1) \\
& &= &((T((T(4) + 3)) + 2) \times 10) \\
\mathbf{931} &:= (1 + (2 \times T((3 \times T(4)))) &= &(-5 + ((6 + 7) \times (8 \times 9))) \\
&:= ((T(12) \times (3 \times 4)) - 5) &= &((-6 + T((7 + T(8)))) - 9) \\
&:= ((9 \times (8 \times (7 + 6))) - 5) &= &((T((T(4) \times 3)) \times 2) + 1) \\
&:= -((9 - (T((T(8) + 7)) - 6))) &= &(- (T(5)) - (- (T(43)) \times (2 - 1))) \\
& &= &((5 + T(43)) - (2 \times 10)) \\
\mathbf{932} &:= (1 \times ((2 + T(T(T(3)))) \times 4) &= &(5 - ((-67) - T(8)) \times 9) \\
&:= (((98 \times 7) + T(T(6))) + T(5)) &= &(4 \times (T(T(T(3))) + (2 \times 1))) \\
\mathbf{933} &:= (1 + ((2 + T(T(T(3)))) \times 4) &= &(T((T(5) + 6)) + (78 \times 9)) \\
&:= -((T(1 + 2) - (((T(T(T(3))) \times 4) + T(5)))) &= &(T(T(6)) + (78 \times 9)) \\
&:= ((9 + (T(8) + T((7 \times 6)))) - (T(5))) &= &((4 \times (T(T(T(3))) + 2)) + 1) \\
\mathbf{934} &:= ((-1 + (-2 \times (-T((3 \times T(4)))))) - (-5)) &= &(- (T(6)) + (T((7 + T(8))) + 9)) \\
&:= (9 + (T((T(8) + 7)) - T(6))) &= &(5 - (-((T((T(4) \times 3)) \times 2)) + 1)) \\
&:= (9 - (- (T((T(8) + 7))) - (-6 - T(5)))) &= &(T(43) - (2 + 10)) \\
\mathbf{935} &:= (T((1 + (2 \times T(T(3)))) - (-4 + T(5))) &= &(((T(T(6)) - 7) + T(T(8))) + (T(9))) \\
&:= ((T(9) + T(T(8))) - (7 - T(T(6)))) &= &(T(5) + ((4) \times ((T(T(3 \times 2)) - 1))) \\
& &= &(-((T((5 \times (4 - 3))) + 2)) \times (-T(10))) \\
&:= ((-9 + T(8)) + (T((7 \times 6)) + 5)) &= &-((T(T(4)) - T((T(3^2)) - 1))) \\
& &= &-(((4 - T(3 \times 2)) \times T(10))) \\
\mathbf{936} &:= ((T(12) \times 3) \times 4) &= &(-(((T(T(5))/6) - 7) \times (-8 \times 9))) \\
&:= (12 \times T(((3 + 4) + 5))) &= &(((6 + 7) \times 8) \times 9) \\
&:= (9 \times (8 \times (7 + 6))) &= &(T((T(T(5))/T(4))) \times (T(3) \times ((2) \times 1))) \\
& &= &(T(((5 - 4) + (T(T(3)) \times 2))) - (10)) \\
&:= (T(9) + (876 + T(5))) &= &(4 \times (3 + T(21))) \\
& &= &(T((4 \times 3)) \times (2 + 10)) \\
\mathbf{937} &:= T(1 + 2 \times T(T(3))) - 4 - 5 &= &T(-T(6) + T(7) + T(8)) - 9 \\
&:= -1 \times 2^3 + T(4 + 5) \times T(6) &= &T(7 + T(8)) - 9 \\
&:= -T(9) + T(T(8) + 7) + T(6) + T(5) &= &T(T(4) + T(T(3))) \times 2 - T(10) \\
&:= -9 + T(T(8) + 7) &= &T(6 \times 5) + T(43)/2 - 1 \\
& &= &-6 + 5 + T(43) + 2 - 10 \\
&:= -9 + T(T(8) + T(7) - T(6)) &= &T(5) + 4 \times T(T(T(3))) - 2 \times 1 \\
& &= &5 \times (-T(T(4)) + T(T(T(3)))) + 2 + T(10)
\end{aligned}$$

$$938 := (98 - (T(7) \times (-6 \times 5))) = ((T(43) + 2) - 10)$$

$$939 := -((T(1 + 2) + (T(T(3)) \times (-45)))) = (T((T(T(6))/7) + T((T(8) - 9)))$$

$$\begin{aligned} 940 &:= -((1 \times 2) \times (-T((3 \times T(4)))) - 5) &= (T((6 \times 7) + (-8 + T(9))) \\ &:= ((T(9) - 8) + T((7 \times 6))) &= (T(5) + (T(43) - 21)) \\ &:= (T((-((9 - T(8)))) + (7 + 6))) + T(T(5)) &= (T(43) - T((2 + 1))) \end{aligned}$$

$$\begin{aligned} 941 &:= ((T(12) \times (3 \times 4)) + 5) &= ((T(T(6)) + 7) + T((-8 + T(9)))) \\ &:= -((-T((T(9) - 8))) - (7 + T(T(6)))) &= (5 + (4 \times (3 + T(21)))) \\ & &= (-T(5) - (-T(4) - T(-((T(3) \times 2) - T(10)))) \end{aligned}$$

$$\begin{aligned} 942 &:= (T((1 + (2 \times T(T(3)))))) - 4 &= ((-((T(T(5)) + T(6))) \times (-7)) - T(-((T(8) - T(9)))) \\ &:= (-1 + 2) + (T(T(3)) \times 45) &= (T(T(6)) - (-T((T(7) + 8))) - (T(9))) \\ &:= ((T(9) + T((8 + T(7)))) + T(T(6))) &= (-((5 - (T(43) + 2))) - 1) \\ &:= (987 - T(-((6 - T(5)))) &= -((4 - T(((T(T(3)) \times 2) + 1))) \\ & &= ((4 \times (T(T(T(3))) + 2)) + 10) \end{aligned}$$

$$\begin{aligned} 943 &:= (((1 + (-2 - T(T(T(3)))))) \times (-4)) + T(5) = ((6 + T((7 + T(8)))) - 9) \\ &:= ((-9 + T((T(8) + 7))) + 6) &= ((5 - (T(43) + 2)) \times (-1)) \\ &:= (-(-9) + ((T(8) + (T((7 \times 6)))) - 5)) &= (T(43) - (2 + 1)) \end{aligned}$$

$$944 := ((-9 + T(T(8))) + (-T(7) - (-T(6) \times T(5)))) = ((T(43) - 2) \times 1)$$

$$\begin{aligned} 945 &:= (T(T(1 + 2)) + (T(T(T(3))) \times 4)) = (-5 \times ((-((6 + 7)) - 8) \times 9)) \\ &:= ((1 \times T((2 \times 3))) \times 45) &= ((6 + (7 + 8)) \times T(9)) \\ &:= ((9 \times (-8 - (7 + 6))) \times (-5)) &= ((T(43) - 2) + 1) \\ &:= (T(9) \times (8 + (7 + 6))) &= T(5 + 4) \times T(3 \times 2) \times 1 \\ & &= ((5^4) + (32 \times 10)) \end{aligned}$$

$$\begin{aligned} 946 &:= T((1 + (2 \times T(T(3)))) &= (-((4 - (T(5) \times 6))) \times (T(7) - (8 + 9))) \\ &:= T((-12) + T((T(3) + 4))) &= -(((T(5) - 6) - T((7 + T(8)))) - 9) \\ &:= T(((1^2) - (3 - 45))) &= T(((6 \times 7) - (8 - 9))) \\ &:= T(((9 - 8) + (7 \times 6))) &= ((5^4) + 321) \\ &:= ((98 \times 7) + (65 \times 4)) &= T(((T(T(3)) \times 2) + 1)) \\ &:= -(((9 - T((T(8) + 7))) + ((6 - (T(5)))))) &= T(((4^3) - 21)) \\ & &= (T(43) + (21 \times 0)) \end{aligned}$$

$$\begin{aligned} 947 &:= (1 + T(-(((2 \times T(3)) - T(T(4)))))) &= (-T(5) + ((-6 - 7) \times (-T(T(8))/9))) \\ &:= (-((9 \times (-8))) - ((T(T(7)) - T(T(6))) \times (-5))) &= ((T(43) + 2) - 1) \end{aligned}$$

$$\begin{aligned} 948 &:= ((T(1 + 2) + T(T(T(3)))) \times 4) = (-(-T(5)) + (T(T(6)) - (-78 \times 9))) \\ &:= ((1 + 2) + (T(T(3)) \times 45)) &= ((T((6 \times 7)) + T(8)) + 9) \\ &:= ((9 + T(8)) + T((7 \times 6))) &= ((5 + T(43)) - (2 + 1)) \\ &:= (-9 - (87 \times (-6 + 5))) &= ((T(43) + 2) \times 1) \end{aligned}$$



$$\begin{aligned}
\mathbf{949} &:= ((1 + T((2 \times T(T(3)))))) + 45 &&= (-6 + (T((7 + T(8))) + 9)) \\
&:= ((T(9) + T(T(8))) - (-7 - T((6 + T(5)))))) &&= ((T(43) + 2) + 1) \\
&:= ((9 + T((T(8) + 7))) - 6) &&= (5 + ((T(43) - 2) \times 1)) \\
&&&= ((-5 + T(43)) - (2 - (10))) \\
\mathbf{950} &:= (T((1 + (2 \times T(T(3)))))) + 4 &&= (((T(T(5)) + T(6)) \times 7) + (8 - T(9))) \\
&:= (-(-T(9))) - (-T(T(8))) - ((-7 + T(T(6))) + (T(5)))) &&= (4 + T(((T(T(3)) \times 2) + 1))) \\
\mathbf{951} &:= (((T(4) + (T(T(3))))^2) - (10)) = (987 - (T(6) + T(5))) \\
\mathbf{952} &:= -((1 - (T((2 \times T(T(3)))) + (T(T(4) - 5)))) = ((-T(T(6))) - 7) \times (-T(8)/9)) \\
&:= (-((9 - 8)) \times (-7 \times T((T(6) - 5)))) &&= (T(43) + T((2 + 1))) \\
\mathbf{954} &:= ((-T(9)) - 8) \times (-7 + (-6 - 5)) = (T(43) - (2 - 10)) \\
\mathbf{955} &:= (T((1 + (2 \times T(T(3)))))) + (4 + 5) &&= (T((6 + T(7))) + (8 \times T(9))) \\
&:= (1 - (((-T((2^3))) \times 4) - T(5) \times 6)) &&= (T((7 + T(8))) + 9) \\
&:= ((T(9) - 8) + (T((7 \times 6)) + T(5))) &&= (((-T(4) \times 3)^2) + (T(10))) \\
&:= (9 + T((T(8) + 7))) &&= ((6 \times 5) + (T(43) - 21)) \\
&&&= ((6 - 5) - (-T(43)) + (2 - 10)) \\
&:= (9 + T((T(8) + (T(7) - T(6)))))) &&= (-5 - (-((T(4) + T(T(3)))^2) + 1)) \\
&&&= ((5^4) - (-3 \times 2) \times T(10)) \\
\mathbf{956} &:= (T((1 + (2 \times T(T(3)))))) + T(4) &&= (T((T(5) + (T(6) + 7))) + (T((T(8)/9)))) \\
&:= (T((1 + T((2 + 3)))) + T((T(T(4)) - T(5)))) &&= ((T((6 \times 7)) + 8) + T(9)) \\
&:= ((T(9) + 8) + T((7 \times 6))) &&= (-5 + (((T(4) + T(T(3)))^2) \times 1)) \\
&&&= (T(((5 - 4) + (T(T(3)) \times 2))) + (10)) \\
&:= (T(9) + (T(-(-T(8)))) + ((T(7) + T(6)) \times 5)) &&= (T(4) + T(((T(T(3)) \times 2) + 1))) \\
&&&= (T((T(T(4)) + (-T(3)) \times 2)) + (10)) \\
\mathbf{957} &:= ((-1 + T((2 \times T(T(3)))))) + T(T(4)) = ((5 + 6) \times (78 + 9)) \\
&:= (987 - (6 \times 5)) &&= ((T(T(4)) + T((T(T(3)) \times 2))) - 1) \\
\mathbf{958} &:= T(1 \times 2 \times T(T(3))) + T(T(4)) &&= -5 \times T(6) + T(T(7)) + T(T(8)) - 9 \\
&:= 12 + T(T(3 + 4)) + T(5) &&= T(6) + T(7 + T(8)) - 9 \\
&:= -9 + T(T(8) + 7) + T(6) &&= T(5) \times 4^3 - 2 \times 1 \\
&:= -9 + 87 \times (6 + 5) + T(4) &&= T(T(T(3)) \times 2) + T(10) \\
&:= -9 + T(T(8)) + T(T(7)) - T(6) \times 5 = T(T(4)) + T(T(T(3)) + 21) \\
&&&= T(43) + 2 + 10 \\
\mathbf{959} &:= ((1 + T((2 \times T(T(3)))))) + (T(T(4))) &&= ((-(((T(T(5)) - 6) + 7)) \times (-8)) - 9) \\
&:= (((T(9) + T(T(8))) + T((T(7) - 6))) - 5) &&= ((T(T(4)) + T((T(T(3)) \times 2))) + 1) \\
\mathbf{960} &:= (((12/3) + 4) \times T(T(5))) &&= (6 \times (7 + T((8 + 9)))) \\
&:= ((T(9 + 8) + 7) \times 6) &&= (T(5) \times (43 + 21)) \\
&&&= ((5 + 43) \times (2 \times 10)) \\
&:= ((T(9) + (8 + 7)) \times (T(6) - 5)) &&= (((T(4) + T(T(3)))^2) - 1) \\
&&&= ((4 \times T(T(T(3)))) + T(-(2 - 10)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{961} &:= -((-1 + (-((2^{T(3)}) \times (T(4) + 5)))) = ((6 + T((7 + T(8)))) + 9) \\
&:= ((987 - T(6)) - 5) &= ((T(4) + T(T(3)))^2 \times 1) \\
&:= ((9 + T((T(8) + 7))) + 6) &= (T(5) + (T(43) \times (2 - 1))) \\
&&= ((T(5) + T(43)) + (21 \times 0)) \\
\mathbf{962} &:= (-1 + ((T((2 \times T(T(3)))) + (T(T(4)))) + 5)) &= ((6 + 7) \times (T(T(8))/9)) \\
&:= (T((T(9) - 8)) + ((T(7) + T(T(6)))))) &= (-((5 - T(43))) + 21) \\
&:= (-(-9) + ((T(T(8)) - T(7)) - (-T(6) \times T(5)))) &= (((T(4) + T(T(3)))^2) + 1) \\
\mathbf{964} &:= ((1 + T((2 \times T(T(3)))))) - (-4 \times T(5)) = -(((T(-((6 - T(7)))) - (T(T(8)))) - T(9))) \\
&:= ((T(9) + T(T(8))) + T((T(7) - 6))) &= ((T(5) + (T(43) + 2)) + 1) \\
&: T(9) + T(T(8)) + 7 + T(T(6)) + T(5) &= (4 \times (T(T(3 \times 2)) + 10)) \\
\mathbf{966} &:= (T(T(1 + 2)) \times (T(3) + (T(T(4)) - (T(5)))))) = -((T(6) \times ((7 - 8) - T(9)))) \\
&:= (987 - T(6)) &= ((5 + ((-T(4) - T(T(3)))^2)) \times 1) \\
&:= (987 - (6 + T(5))) &= (T(43) + (2 \times 10)) \\
\mathbf{967} &:= (T((T(9) - 8)) + (((T(7) + T(T(6))) + 5))) = (T(43) + 21) \\
\mathbf{968} &:= (((T(9) + T(8)) + 7) \times (6 + 5)) = -((-T(T(4))) - (T((-T(T(3))) \times (-2))) + (10))) \\
\mathbf{969} &:= ((1 + T((2 \times T(T(3)))))) + (-T(T(4)) + T(T(5))) = (-T(6) + T((7 - (8 - T(9)))))) \\
&:= ((9 \times (8 \times 7)) + T((6 \times 5))) &= ((-4 + T(T(3))) \times (2 + T(10))) \\
&:= (T(((T(9) - 8) + 7)) - T(6)) &= ((5 \times (4 + T((T(T(3)) - 2)))) - 1) \\
&&= ((5 + (4 \times 3)) \times (2 + T(10))) \\
\mathbf{970} &:= (1 \times ((T((-2 + T(T(3)))) + 4) \times 5)) &= (T(T(6)) + (T(7) + (T(T(8)) + T(9)))) \\
&:= ((T(9) + T((T(8) + 7))) - (6 + T(5))) &= (-T(4) \times ((T(T(3)) \times (-2)) - T(10))) \\
&:= (T(9) + (T((T(8) + 7)) - T(6))) &= (5 \times ((4 + T((T(T(3)) - 2))) \times 1)) \\
&&= (((T(T(5))/4) \times 32) + 10) \\
\mathbf{971} &:= (987 - (T(6) - 5)) = -((-4 \times (T(T(T(3))) - 2)) - (T(10))) \\
\mathbf{972} &:= ((1 \times 2) \times (T(3) + (4 \times T(T(5)))))) = (((T(6)/7) \times T(8)) \times 9) \\
&:= (9 \times (87 + T(6))) &= (5 + (T(43) + 21)) \\
&:= (9 \times ((87 + 6) + T(5))) &= (4 \times (T(T(T(3))) + (2 + 10))) \\
\mathbf{973} &:= 1 \times T(2 \times T(T(3))) + T(T(4)) + T(5) = T(6 + T(7)) + T(T(8) - 9) \\
&:= T(-9 + T(8)) + T(T(7) + 6) &= T(5) + T(T(4)) + T(T(T(3)) \times 2 \times 1) \\
&&= T(5) + T(T(4) + 32) + T(10) \\
\mathbf{975} &:= ((1 + 2) \times T((T(T(3)) + 4))) &= ((T(T(5))/6) + (T((7 + T(8)))) + 9) \\
&:= (T((T(12) - 34)) - T(5)) &= (T((6 \times 7)) + 8 \times 9) \\
&:= (((9 \times T(8)) - (T(7) + T(T(6)))) \times T(5)) &= (-T((4 + T(T(3)))) \times (-2 - 1)) \\
&:= ((9 \times 8) + T((7 \times 6))) &= (T(5) \times ((4^3) + (2 - 1))) \\
&&= (T((T(5) + T(4))) \times (3 + (21 \times 0)))
\end{aligned}$$

$$\begin{aligned}
\mathbf{976} &:= (1 - ((T(T(-(2 - T(3)))) + T(4)) \times (-T(5)))) = -((-T(6)) - (T((7 + T(8)) + 9))) \\
&:= (9 + (T((T(8) + 7)) + T(6))) &= ((T(T(5)) \times 4) + T((32 - 1))) \\
& &= ((-T(T(5))) \times (-4)) + ((T(T(3))^2) + T(10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{977} &:= ((12 \times (3^4)) + 5) &= (T((6 \times 7)) + (T(T(8))/9)) \\
&:= -((-9 \times (87 + T(6))) - 5) &= (((4 \times T(T(T(3)))) - 2) + T(10))
\end{aligned}$$

$$\mathbf{979} := (T(-(-9)) + ((T(8) + (T((7 \times 6)))) - 5)) = -((4 \times (-T(T(3 \times 2)))) + (T(10)))$$

$$\mathbf{980} := ((9 \times 8) - (-T((7 \times 6))) - 5) = (-T(4) + T((T(3^2) - 1)))$$

$$\begin{aligned}
\mathbf{981} &:= (9 \times ((8 \times (7 + 6)) + 5)) = (((4 \times T(T(T(3)))) + 2) + T(10)) \\
&:= (987 - 6) &= ((T(5) \times 4^3) + 21) \\
& &= (T((T(5) + T(4))) + (T((T(3)^2) - 10))
\end{aligned}$$

$$\mathbf{982} := ((-T(-(-9))) + (T(T(8)))) + (T(T(7)) - T((-6 + T(5)))) = (T(43) + T((-2 + 10)))$$

$$\begin{aligned}
\mathbf{984} &:= ((-((T(1 + 2)^3)) \times (-4)) + T(T(5))) = ((T((6 \times 7)) + T(8)) + T(9)) \\
&:= (T(((T(9) - 8) + 7)) - 6) &= ((T((T(5) + T(4))) + 3) \times ((2 + 1))) \\
& &= (-T(5) + (T(43) + (-2 + T(10))))
\end{aligned}$$

$$\begin{aligned}
\mathbf{985} &:= ((T(1 + 2) \times (3 \times T(T(4)))) - 5) &= -(((6 - T((7 + T(8)))) - T(9)) \\
&:= ((T(9) + T(-((T(8) - 76)))) + T(T(5))) &= ((T((T(4) \times 3)) \times 2) + T(10)) \\
&:= (T(9) + (T((T(8) + 7)) - 6)) &= ((5 - T(4)) + T((T(3^2) - 1))) \\
& &= (5 - ((-T(T(4))) + T(3)) \times (-(-2) \times 10))
\end{aligned}$$

$$\mathbf{986} := (987 - (6 - 5)) = -((4 - T((T(3^2) - 1))))$$

$$\begin{aligned}
\mathbf{987} &:= (-T(T(1 + 2))) \times ((3 - T(T(4))) + 5) = (T(6) \times ((7 \times 8) - 9)) \\
&:= 987 &= (6 - 5) \times 4 \times (T(T(T(3))) + 2) + T(10) \\
&:= (987 \times (6 - 5)) &= ((4 \times (T(T(T(3))) + 2)) + (T(10))) \\
&:= ((9 - (8 \times 7)) \times (-T(6))) &= (((5 \times T(4)) - 3) \times 21) \\
& &= ((T(T(5)) + (-T(T((4 + 3)))) \times (-2)) + T(10))
\end{aligned}$$

$$\begin{aligned}
\mathbf{990} &:= T((T(12) - 34)) &= -(((56 - 78) \times T(9))) \\
&:= (-1 - 23) \times 45 &= T((6 - ((7 - T(8)) - 9))) \\
&:= 1^{23} \times T(4 \times (5 + 6)) &= T(7 - 8 + T(9)) \\
&:= T(((9 \times 8) - T(7))) &= ((T(6) \times ((5 \times T(4)) - 3)) - (-2 - 1)) \\
&:= (T(9) \times (87 - 65)) &= T(((43 + 2) - 1)) \\
&:= (987 - (6 - (5 + 4))) &= T((T(3^2) - 1)) \\
&:= T((9 + ((8 \times 7) - T(6)))) &= (T(5) \times ((4^3) + (2 \times 1))) \\
& &= (-5 \times ((4 \times 3) - 210))
\end{aligned}$$

$$\begin{aligned}
991 &:= (-1 + (2 \times T((T(T(3)) + T(4)))) = (T(((T((5 + T(6))) - 7)/8)) + T(9)) \\
&:= (1 + T((2 - (3 - 45)))) = (T(-(((T(6) - T(7)) - T(8)))) + T(9)) \\
&:= 1^{23} + T(4 \times (5 + 6)) = (T((7 + T(8))) + T(9)) \\
&:= (T(9) + T((T(8) + (T(7) - T(6)))) = (((T(T(5)) + 4) \times (T(3) + 2)) - 1) \\
&:= ((9 - 8) + T(-((76 - T(T(5)))))) = ((T((T(4) + T(T(3)))) \times 2) - 1) \\
&:= (T(9) + T((T(8) + 7))) = ((T((4 + T(T(3)))) + T(T(-(2 - 10)))) \\
&:= (((T(T(6)) + T(5)) \times 4) - (-T(3)) - (2 - 1)) \\
&:= ((T(6) \times T(5)) + (T((4 + 32)) + (10)))
\end{aligned}$$

$$\begin{aligned}
992 &:= ((1 \times 2) \times T((T(T(3)) + T(4)))) = ((5 \times 67) + (T(T(8)) - 9)) \\
&:= ((1 + T(T((2^3)))) + T((T(4) + (T(5)))) = (T((6 \times 7)) + 89) \\
&:= -(((9 - (8 \times 7)) \times T(6)) - 5) = ((T((T(4) + T(T(3)))) \times 2) \times 1)
\end{aligned}$$

$$\begin{aligned}
993 &:= (1 + (2 \times T((T(T(3)) + T(4)))) = ((-5 \times (-6 \times T(7))) + T((8 + 9))) \\
&:= (987 + (T(6) - T(5))) = ((T((T(4) + T(T(3)))) \times 2) + 1) \\
&:= (987 + 6) = (((T(T(5)) + 4) \times (T(3) + 2)) + 1) \\
&:= ((T(5) \times T(T(4))) + (T(T(3)) \times (-2 - (10))))
\end{aligned}$$

$$994 := (-((T(-(-9)) + (-T(T(8))) - T((T(7) - 6)))) + T(T(5))) = (4 + T((T((3^2)) - 1)))$$

$$\begin{aligned}
996 &:= ((-((12 - T(T(T(3)))) \times 4) + (T(T(5)))) = (6 + T((7 - (8 - T(9)))) \\
&:= (987 - (6 - T(5))) = (-((-T(T(4))) \times T(3)) + T(T((-2 + 10)))) \\
&:= (T(((T(9) - 8) + 7)) + 6) = ((T((T(5) + T(4))) \times 3) + 21) \\
&:= ((T(T(5)) + (T(4) \times T(T(3)))) + (T(T((-2 + (10))))))
\end{aligned}$$

$$\begin{aligned}
997 &:= (-(-T(12))) - ((T(T(T(3))) \times (-4)) + 5) = ((6 + T((7 + T(8)))) + T(9)) \\
&:= T(9) \times 8 + T(T(7)) + T(T(6)) = 5 + T(T(4) + T(T(3))) \times 2 \times 1 \\
&:= T(T(5)) \times 4 + T(T(T(3))) \times 2 + T(10)
\end{aligned}$$

$$999 := (9 + ((87 - T(6)) \times T(5))) = (T(43) - (2 - T(10)))$$

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## References

### • First-Type 1.1

- [1] I.J. TANEJA, Crazy Sequential Representation: Numbers from 0 to 11111 in terms of Increasing and Decreasing Orders of 1 to 9, Jan. 2014, pp.1-161, <http://arxiv.org/abs/1302.1479>; <http://bit.ly/2wnZq6g>.
- [2] I.J. TANEJA, Crazy Representations of Natural Numbers From 11112 to 20000, RGMIA Research Report Collection, **21**(2018), Art. 108, pp.1-198, <https://rgmia.org/papers/v21/v21a108.pdf>; <http://bit.ly/2IslD7V>.

- [3] I.J. TANEJA, Crazy Representations of Natural Numbers From 20001 to 25000, RGMIA Research Report Collection, **20**(2017), Art. 131, pp. 1-121, <https://rgmia.org/papers/v21/v21a131.pdf>; <http://bit.ly/2qRfpGW>.
- [4] I.J. TANEJA, Crazy Representations of Natural Numbers From 25001 to 30000, RGMIA Research Report Collection, **20**(2017), Art. 132, pp. 1-123, <https://rgmia.org/papers/v21/v21a132.pdf>; <http://bit.ly/2PYrxE6>.
- [5] I.J. TANEJA, Crazy Representations of Natural Numbers – The 10958 Problem, Online Link - <http://bit.ly/2AYFpoc>.

### • Second-Type 1.2

- [6] I.J. TANEJA, Crazy Power Representations of Natural Numbers, RGMIA Research Report Collection, **19**(2016), Art. 31, pp.1-71, <http://rgmia.org/papers/v19/v19a31.pdf>; <http://bit.ly/2PfAW64>.
- [7] I.J. TANEJA, Flexible Power Representations of Natural Numbers, RGMIA Research Report Collection, **19**(2016), Art 131, pp. 1-91, <http://rgmia.org/papers/v19/v19a131.pdf>; <http://bit.ly/2MBeK9H>.

### • Third-Type 1.3

- [8] I.J. TANEJA, Single Digit Representations of Natural Numbers, Feb. 1015, pp.1-55, <http://arxiv.org/abs/1502.03501> - Also in RGMIA Research Report Collection, **18**(2015), Art. 15, pp.1-55, <http://rgmia.org/papers/v18/v18a15.pdf>; <http://bit.ly/2wnbUey>.
- [9] I.J. TANEJA, Single Digit Representations of Numbers From 2501 to 5000, RGMIA Research Report Collection, **21**(2018), Art. 139, pp.1-174, <https://rgmia.org/papers/v21/v21a139.pdf>; <http://bit.ly/2Sd9O9X>.
- [10] I.J. TANEJA, Single Digit Representations of Numbers From 2501 to 5000, RGMIA Research Report Collection, **21**(2018), Art. 140, pp.1-174, <https://rgmia.org/papers/v21/v21a140.pdf>; <http://bit.ly/2GAbAR0>.
- [11] I.J. TANEJA, Single Digit Representations of Numbers From 5001 to 7500, RGMIA Research Report Collection, **21**(2018), Art. 141, pp.1-174, <https://rgmia.org/papers/v21/v21a141.pdf>; <http://bit.ly/2R5DLve>.
- [12] I.J. TANEJA, Single Digit Representations of Numbers From 7501 to 10000, RGMIA Research Report Collection, **21**(2018), Art. 142, pp.1-174, <https://rgmia.org/papers/v21/v21a142.pdf>; <http://bit.ly/2rN3ASj>.

### • Forth-Type 1.4

- [13] I.J. TANEJA, Single Letter Representations of Natural Numbers, Palindromic Symmetries and Number Patterns, RGMIA Research Report Collection, **18**(2015), Art. 40, pp.1-30, <http://rgmia.org/papers/v18/v18a40.pdf>; <http://bit.ly/2Nvlen2>.
- [14] I.J. TANEJA, Single Letter Representations of Natural Numbers, RGMIA Research Report Collection, **18**(2015), Art. 73, pp. 1-44. <http://rgmia.org/papers/v18/v18a73.pdf>; <http://bit.ly/2ojVQpb>.

- [15] I.J. TANEJA, Single Letter Fraction-Type Representations of Natural Numbers - I, RGMIA Research Report Collection, **20**(2017), Art. 149, pp. 1-136, <http://rgmia.org/papers/v20/v20a149.pdf>; <http://bit.ly/2BYO0Lq>.
- [16] I.J. TANEJA, Single Letter Representations of Natural Numbers From 1 to 11111, RGMIA Research Report Collection, **21**(2018), Art. 123, pp.1-124, <http://rgmia.org/papers/v21/v21a123.pdf>; <http://bit.ly/2QB5HXt>.
- [17] I.J. TANEJA, Fraction-Type Single Letter Representations of Natural Numbers From 1 to 11111, RGMIA Research Report Collection, **21**(2018), Art. 124, pp.1-193, <http://rgmia.org/papers/v21/v21a124.pdf>; <http://bit.ly/2zJNoFM>.

### • Running Expressions 1.5

- [18] I.J. TANEJA, Running Expressions in Increasing and Decreasing Orders of Natural Numbers Separated by Equality Signs, RGMIA Research Report Collection, **18**(2015), Article 27, pp.1-54. <http://rgmia.org/papers/v18/v18a27.pdf>; <http://bit.ly/2okiLAH>.
- [19] I.J. TANEJA, Running Expressions with Equalities: Increasing and Decreasing Orders - I, RGMIA Research Report Collection, **20**(2017), Art. 33, pp. 1-57, <http://rgmia.org/papers/v20/v20a33.pdf>; <http://bit.ly/2BZFETR>.
- [20] I.J. TANEJA, Running Expressions with Equalities: Increasing and Decreasing Orders - II, RGMIA Research Report Collection, **20**(2017), Art. 34, pp. 1-87, <http://rgmia.org/papers/v20/v20a34.pdf>; <http://bit.ly/2wr7q5u>.
- [21] I.J. TANEJA, Fibonacci Sequence and Running Expressions with Equalities - I, RGMIA Research Report Collection, **20**(2017), Art. 35, pp. 1-83, <http://rgmia.org/papers/v20/v20a35.pdf>; <http://bit.ly/2LDuSiN>.

### • Work's Summary

- [22] I.J. TANEJA, Crazy, Selfie, Fibonacci, Triangular, Amicable Types Representations of Numbers, RGMIA Research Report Collection, **21**(2018), Art. 3, pp. 1-140, <http://rgmia.org/papers/v21/v21a03.pdf>; <http://bit.ly/2OKNh2S>.